

RAPORT ANUAL DE ACTIVITATE AL INSTITUTULUI NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICĂ ȘI INGINERIE NUCLEARĂ HORIA HULUBEI

ANUL 2010

1. Datele de identificare ale INCD

1.1. Denumirea: Institutul Național de Cercetare-Dezvoltare pentru Fizică și Inginerie Nucleară Horia Hulubei (IFIN-HH)

1.2. Actul de înființare, cu modificările ulterioare: HG 1309/25.11.1996;
HG 965/25.08.2005, HG 1367/23.12.2010.

1.3. Numărul de înregistrare în Registrul potențialilor contractori: 450

1.4. Director general: Prof. Dr. Nicolae Victor Zamfir, mc al Academiei Române

1.5. Adresa: str. Reactorului nr. 30, oraș Măgurele, județul Ilfov, CP MG-6, cod poștal
077125

1.6. Telefon: 021-4042300
Fax: 021-4574440
Pagina web: www.ifin.ro
e-mail: secretar@ifin.nipne.ro

2. Scurta prezentare a INCD

2.1 Istoric

Institutul de Fizică și Inginerie Nucleară (IFIN) a fost înființat în 1976, în cadrul Institutului Central de Fizică (ICEFIZ), ce încorporea Institutul de Fizică Atomică (IFA), Institutul de Fizică București (IFB) și alte instituții din țară implicate în cercetarea și educația în domeniul fizicii. IFIN cuprindea, la data înființării, mare parte din Institutul de Fizică Atomică - IFA, fondat în 1949 de Profesorul Horia Hulubei. În 1996 IFIN-HH a fost acreditat ca institut național, ocazie cu care a adoptat în denumire numele Profesorului Horia Hulubei.

2.2 Organigrama INCD¹

2.2 Domeniul de specialitate al INCD

a. conform clasificării UNESCO: 22

b. conform clasificării CAEN: Cercetare-dezvoltare în alte științe naturale și inginerie -
7219

¹ se prezintă în anexa 1 la raportul de activitate

2.3 Direcții de cercetare-dezvoltare

a. domenii principale de cercetare-dezvoltare

Cercetare fundamentală

- Fizică nucleară și astrofizică: structură nucleară; dezintegrări și fisiune nucleară; materie hadronică și interacții nucleare; cercetări interdisciplinare utilizând fascicule de particule accelerate, astrofizică nucleară și raze cosmice, date nucleare.
- Fizica particulelor elementare și teoria câmpurilor: fizica Modelului Standard și a extensiilor sale; teorii de câmp generalizate; studiul plasmei quarc-gluonice și a particulelor cu charm; fizica neutrinilor; gravitație clasică și cuantică.
- Fizică atomică și fizica materiei condensate: mecanică statistică și sisteme fizice complexe; teoria mai multor corpuri; caracterizarea materialelor, suprafețelor și studiul proceselor electronice și atomice; studii experimentale prin împrăștiere de neutroni.
- Fizică matematică și fizica informației: operatori de câmp pe spații curbate; reprezentări de grupuri de tip stări coerente; supersimetrii, superstringuri și membrane; structuri dinamice complexe în sisteme neliniare, optică neliniară și fonică; fizică computațională, teoria informației și corelații cuantice.
- Fizica vieții și a mediului: radiobiologie moleculară și celulară; transferul radionuclizilor în ecosisteme; risc și vulnerabilitate în interacțiunea infrastructurilor strategice cu mediul.

Cercetare aplicativă

- Sisteme avansate de detecție: module de detecție pentru experimente la marile acceleratoare; electronică "front end"; algoritmi, dezvoltări de programe, testări.
- Securitate nucleară, radioprotecție și produse radioactive: sisteme expert pentru gestionarea situațiilor de urgență nucleară; aparatură pentru radioprotecția mediului și personalului, măsurători și caracterizări radiologice; produse radioactive și radiofarmaceutice;
- Radioecologie și biomedicină nucleară: impactul radioactivității artificiale asupra mediului; impactul dezafectării Reactorului Nuclear VVR-S asupra vieții și mediului; bioconjugate moleculare cu aplicații medicale; biodozimetrie radiologică și toxicologie.
- Tehnici nucleare și aplicații: comportarea materialelor în câmp de radiații; transmutații nucleare; metode și tehnici de analiza elementală.
- Sisteme avansate de comunicații: tehnologii GRID; metode de optimizare a transferului de date.

b. domenii secundare de cercetare

Dezvoltare tehnologică

- Elaborare tehnologii: tratarea materialelor bazate pe iradierea cu radiații gamma; tehnologii de segmentare/ demontare/sortare și minimizare a deșeurilor rezultate din dezafectarea instalațiilor nucleare; confinarea deșeurilor radioactive și depozitarea lor pe termen lung.
- Realizare modele experimentale și prototipuri: detectori avansați de radiații și electronică asociată; aranjamente experimentale și instrumentație nucleară; echipamente dozimetrice, radiometrice și de analiză cu aplicații industriale și în alte domenii de interes socio-economic.
- Acreditare / notificare / autorizare / certificare laboratoare: metrologia radiațiilor; analize prin tehnici nucleare și complementare; tratamente prin iradiere; caracterizări radiologice.
- Dezvoltare infrastructură proprie: Sisteme GRID; Reabilitare și modernizare instalații nucleare.

Transfer tehnologic

- În ecologie: tratare și depozitare deșeurii radioactive.

- În medicină: radiofarmaceutice, compuși marcați cu radionuclizi, surse radioactive pentru uz medical.
- În industrie: surse radioactive pentru gammadefectoscopie; surse radioactive pentru nivelmetrie; surse radioactive pentru etalonare.

c. servicii / microproducție

Servicii de specialitate

- Furnizarea de fascicule de particule accelerate.
- Colectarea, confinarea și depozitarea deșeurilor radioactive.
- Tratamente de produse și materiale prin iradiere.
- Metrologie legală în domeniul radiațiilor ionizante.
- Încercări aparatură, metode și tehnologii în domeniul radiațiilor ionizante.
Monitorizarea dozelor de radiații primite de personalul expus profesional.
- Analize de calificare și control microbiologic.
- Dezafectare de instalații nucleare, inclusiv reactori de cercetare.
- Expertizarea probelor cu conținut radioactiv.
- Pregătire și specializare în domeniul nuclear.

Microproducție

- Produse radiofarmaceutice și compuși marcați radioactivi.
- Surse radioactive.

Alte servicii

- Informatizare și comunicații.
- Documentare, editare, redactare, tipărire.
- Elaborarea de studii, programe și strategii de cercetare-dezvoltare.

3. Structura de Conducere a INCD

- 3.1 Consiliul de administrație: 9 membri
- 3.2 Consiliul științific: 23 membri
- 3.3 Comitetul director: 9 membri

4. Situația economico-financiară a INCD:

- Venituri totale², din care:
 - venituri realizate prin contracte de cercetare-dezvoltare naționale finanțate de la bugetul de stat: 88.668.212 lei
 - venituri realizate prin contracte de cercetare-dezvoltare internaționale finanțate din fonduri publice: 3.442.012 lei
 - venituri realizate prin contracte de cercetare-dezvoltare finanțate din fonduri private -
 - venituri realizate din activități economice (servicii, microproducție, exploatarea drepturilor de proprietate intelectuală): 3.390.346 lei

5. Structura resursei umane de cercetare-dezvoltare

- total personal³ - 645 , din care:
 - personal de cercetare-dezvoltare atestat cu studii superioare: 326
 - personal auxiliar: 108
- informații privind activitățile de perfecționare a resursei umane (personal implicat în procese de formare – stagii de pregătire, cursuri de perfecționare): total personal : 501

² se prezintă în anexa 2 la raportul de activitate numărul, denumirea și valoarea proiectelor /contractelor finanțate de bugetul de stat, din fonduri publice internaționale (în special ale UE), din fonduri ale beneficiarilor (operatorilor economici) și din activități economice proprii

³ se prezintă în anexa 3 la raportul de activitate pe categorii (CSI, CSII, CSIII, CS, ASC, IDTI, IDTII, IDTIII, IDT)

6. Infrastructura de cercetare-dezvoltare

- Laboratoare de cercetare-dezvoltare
 - Departamentul Fizică Teoretică
 - Departamentul Fizică Nucleară
 - Departamentul Fizică Hadronică
 - Departamentul Particulelor Elementare și Tehnologii Informaționale
 - Departamentul Fizica Vieții și Mediului
 - Departamentul Radioizotopi și Metrologia Radiațiilor
 - Departamentul Fizică Nucleară Aplicată
 - Departamentul Iradierii Tehnologice
 - Departamentul Management Deșeuri Radioactive
 - Departamentul Dezafectare Reactor

- Laboratoare de încercări acreditate / neacreditate
 - Laborator pentru dozimetrie de personal și mediu
 - Laborator de încercări și expertizări în domeniul nuclear
 - Laborator de metrologie. Laborator notificat de etalonare pentru activitate și mărimi dozimetrice
 - Laborator de metrologia radiațiilor
 - Laborator pentru caracterizarea elementală și structurală a materialelor micro și nano structurate
 - Laborator pentru analiza prin spectrometrie gamma
 - Laborator de testări materiale prin tehnici nucleare
 - Laborator de analize spectrometrice
 - Laborator de microbiologie
 - Laborator de teste mecanice și fizicochimice pe materiale iradiate
 - Laborator de detecție a alimentelor iradiate
 - Laborator pentru măsurări de fond ultrascăzut micro-Bq
 - Laborator fodozimetrie și contor corp uman
 - Laborator testări biocompatibilitate
 - Laborator testări biomateriale
 - Laborator raze X. Tomografie și fluorescență
 - Laborator de încercare, testare și certificare a conformității produselor radiofarmaceutice
 - Laborator integrat monitorare spectrometrică materiale și deșeuri radioactive

- Instalații și obiective speciale de interes național
 - Acceleratorul de particule Tandem Van de Graaff;
 - Centrul de Producție Radioizotopi;
 - Centrul de Tratare a Deșeurilor Radioactive;
 - Depozitul Național de Deșeuri Radioactive;
 - IRASM - Centrul de Iradierii cu Scopuri Multiple;
 - Ciclotronul U120;
 - Reactorul Nuclear de Cercetare VVR-S (*in dezafectare*).

- Lista echipamentelor performante și facilitățile de cercetare specifice⁴
 - echipamente corporale: 171
 - echipamente necorporale: -
- altele⁵: 8

⁴ se prezintă în anexa 4 la raportul de activitate

⁵ ex. existența unui sistem performant de calculatoare în rețea, existența unei biblioteci electronice în folosul cercetătorilor, existența unui soft integrat performant de evidență financiar-contabilă și de personal (pt. creșterea capacității administrative), existența unui sistem de protejare a informațiilor tehnico-stiințifice.

7. Rezultatele activității de cercetare-dezvoltare

		NR.
7.1	Lucrări ⁶ științifice/tehnice în reviste de specialitate cotate ISI.	329
7.2	Factor de impact cumulat al lucrărilor cotate ISI.	709
7.3	Citări în reviste de specialitate cotate ISI.	2694
7.4	Brevete ⁷ de invenție. (solicitate / acordate)	8/2
7.5	Citări în sistemul ISI ale cercetărilor brevetate.	0
7.6	Produse / servicii / tehnologii rezultate din activități de cercetare, bazate pe brevete, omologări sau inovații proprii ⁸ .	35
7.7	Lucrări științifice/tehnice ⁹ în reviste de specialitate fără cotație ISI .	112
7.8	Comunicări științifice ¹⁰ prezentate la conferințe internaționale.	346
7.9	Studii ¹¹ prospective și tehnologice, normative, proceduri, metodologii și planuri tehnice, noi sau perfecționate, comandate sau utilizate de beneficiar.	55
7.10	Drepturi de autor ¹² protejate ORDA sau în sisteme similare legale.	2
7.11	Membri ¹³ în colectivele de redacție ale revistelor recunoscute ISI (sau incluse în baze internaționale de date) și în colective editoriale internaționale.	79
7.12	Membri ¹⁴ în colectivele de redacție ale revistelor recunoscute național (categoria B în clasificarea CNCSIS).	3
7.13	Premii ¹⁵ internaționale obținute prin proces de selecție.	0
7.14	Premii ¹⁶ naționale (ale Academiei Române, CNCSIS, altele).	71
7.15	Număr conducători de doctorat, membri ai unității de cercetare.	21
7.16	Număr de doctori , membri ai unității de cercetare	174

8. Măsuri de creștere a prestigiului și vizibilității INCD

8.1. Prezentarea activității de colaborare prin parteneriate:

- dezvoltarea de parteneriate la nivel național și internațional (cu personalități/instituții / asociații profesionale) în vederea participării la programele naționale și europene specifice

- 60 de proiecte în parteneriat la nivel național

(http://www.nipne.ro/research/projects/docs/PN2PN_IFINHH_2010a.doc)

- proiecte în parteneriat internațional: UE [PC7(10), PC6(4), EURATOM(3), PHARE(3)], CERN(7), JINR (14), IAEA(12), FAIR(4), IN2P3(13), INFN(15).

- coorganizarea de manifestări științifice cu parteneri internaționali de prestigiu:

1) Internațional Centre for Theoretical Physics (ICTP Trieste, Italia):

Carpathian Summer School of Physics 2010 “Exotic Nuclei and Nuclear/Particle Astrophysics (III) From Nuclei to Stars”, June 20- July 3, 2010, Sinaia, România.

2) Joint Research Centre (JRC) al CE, Institute for Reference Materials and Measurements (IRMM), Geel, Belgia:

Workshop on „Nuclear Fission Dynamics and the Emission of Prompt Neutrons and Gamma Rays” Theory-1, September 27-29, 2010, Sinaia, România.

3) GSI / FAIR Darmstadt, Germania :

CBM Collaboratin Meeting, September 27 – October 1, 2010, Mamaia, România

⁶ se prezinta in anexa 6 la raportul de activitate [titlu, revista, autorii]

⁷ se prezinta in anexa 7 la raportul de activitate [titlu, revista oficiala, inventatorii/titularii]

⁸ se prezinta in anexa 8 la raportul de activitate pe categorii [produse, servicii, tehnologii], inclusiv date tehnice si domeniu de utilizare

⁹ se prezinta in anexa 9 la raportul de activitate [titlu, revista, autorii]

¹⁰ se prezinta in anexa 10 la raportul de activitate [titlu, conferinta, autorii]

¹¹ se prezinta in anexa 11 la raportul de activitate [titlu, operatorul economic, numarul contractului/protocolului etc.]

¹² se prezinta in anexa 12 la raportul de activitate [titlu, revista oficiala, autorii/titularii]

¹³ se prezinta in anexa 13 la raportul de activitate [titlu, revista, numele si prenumele persoanelor]

¹⁴ se prezinta in anexa 14 la raportul de activitate [titlu, revista, numele si prenumele persoanelor]

¹⁵ se prezinta in anexa 15 la raportul de activitate [premiul, autoritatea care l-a acordat, autorii]

¹⁶ se prezinta in anexa 16 la raportul de activitate [premiul, autoritatea care l-a acordat, autorii]

- organizarea de manifestări științifice cu parteneri naționali de prestigiu:
 - 1) Simpozionul Național de Arheometrie 2010, octombrie 28-29, 2010, București
 - 2) Science Fest – Sărbătoarea Științei, 21 septembrie 2010, București
 - 3) Workshop Exploratoriu "Fizica Nucleară și Fizica Particulelor Elementare la Frontiera Cunoașterii" , 22-23 septembrie 2010, București
 - 4) Materials for the Future Society, July 7, 2010, București
 - 5) FAPT 3 (Fizica-Afaceri-Politica-Tehnologie), 23 aprilie 2010, București
 - 6) ELI Nuclear Physics Workshop, February 1-2, 2010, Măgurele

- înscrierea INCD în baze de date internaționale care promovează parteneriatele:
26 de oferte de parteneriat în PC7
http://cordis.europa.eu/fetch?CALLER=EN_FP7_PARTNERS&QZ_WEBSRCH=ifin-hh

- înscrierea INCD ca membru în rețele de cercetare / membru în asociații profesionale de prestigiu pe plan național/internațional
CERN Geneva, IUCN Dubna, FAIR Darmstadt, SPIRAL2, ECT*, ENEN, European Physical Society (EPS), International Union of Pure and Applied Physics (IUPAP), Nuclear Physics European Collaboration Committee (NUPECC)

- participarea în comisii de evaluare concursuri naționale și internaționale
 - 45 de experți CDI la nivel național (Anexa) (Sursa: Portal Experți CDI
http://www.experti-cdi.ro/search_results.php)
 - 5 experți evaluatori PC7 (http://cordis.europa.eu/fp7/experts_en.html)

- personalități științifice ce au vizitat INCD:
Prof. Gerard Mourou și Prof. Jean-Paul Chambaret (ILE Paris), Prof. Angela Bracco (University of Milano, INFN), Prof. Dietrich Habs și Prof. Toshiki Tajima (Sektion Physik der Ludwig-Maximilian Universitaet Muenchen), Prof. Dino Jaroszinsky (University of Strathclyde, Glasgow), Prof. John Collier, (Rutherford-Appleton Laboratory), Prof. Christoph Barty (Lawrence Livermore National Laboratories) etc.

- lecții invitate, cursuri și seminarii susținute de personalitățile științifice invitate:
 - Laser-Driven Accelerators and Radiation Sources: A New Paradigm, Prof. Dino Jaroszinsky (University of Strathclyde, Glasgow, Scotland), 14.04.2010.
 - Single-Molecule Science with a Nanopore: Insoiration from Nature, Prof. Liviu Movileanu (Syracuse University, USA), 17.06.2010.
 - In-House Production of Radiopharmaceuticals and PET Tracers with Radionuclide Ga-68 (Y-90 and Lu-177) for Neuroendocrine Cancer Marker Modular Lab – A versatile Tool for Ga-68 and General Radiochemistry Synthesis, Dr. Andrea Hawerkamp (Eckert&Ziegler Eurotope, Germany), 22.06.2010.
 - Nuclear Incompressibility, Symmetry Energy and Neutron Stars, Prof. Umesh Garg (University of Notre Dame, USA), 28.06.2010.
 - Introducing the Fission-Fusion Reaction Process: Using a Laser-Accelerated Th Beam to Produce Neutron-Rich Towards the N=126 Waiting Point of the R Process, Prof. Dietrich Habs (Sektion Physik der Ludwig-Maximilian Universitaet Muenchen, Germany), 30.06.2010.
 - Lasers and Particle Accelerators, Prof. Cristian Florea (Universite Paris Est / ESIEE Engineering, France), 01.11.2010.
 - Study of the Pygmy Resonance, Prof. Angela Bracco (University of Milano, INFN), 24.11.2010.(lista completă la <http://www.nipne.ro/events/seminar/>)

8.2. Precizarea târgurilor și expozițiilor naționale și internaționale la care INCD a participat și a rezultatelor cu care acesta a participat

- târguri și expoziții internaționale 0
- târguri și expoziții naționale 1

Salonul Cercetării (octombrie 2010) – diplomă de participare.

8.3. Prezentarea activității de mediatizare:

- extrase din presa (interviuri): România Liberă, Ring, Adevărul, Evenimentul Zilei, Gândul, Market Watch, Cotidianul, Dilema Veche, Național Geographic:

- <http://www.wall-street.ro/articol/Companii/83583/Singurul-depozit-de-deseuri-radioactive-din-tara-ar-putea-fi-modernizat-cu-1-8-mil-euro.html>
- http://www.marketwatch.ro/articol/7369/Prin_conectarea_la_cele_mai_mari_infrastructuri_europene_de_cercetare_fizica_romaneasca_se_afirma_in_elita_fizicii_mon_diale/
- <http://cimec.wordpress.com/2010/05/28/Bucuresti-simpozionul-national-de-arheometrie-2010/>
- <http://www.contributors.ro/media-tech/ce-ar-trebuie-sa-fie-pe-prima-pagina-dar-nu-e/>
- <http://www.natgeo.ro/stiinta/cercetare-si-tehnologii/8605-cum-se-prinde-o-particula?showall=1>

- participare la dezbateri radiodifuzate / televizate:

- TVR1, TVR2, TVR Info, Money Channel, Realitatea, Radio București – „Pașaport pentru Știință”

- realizarea de materiale promoționale: actualizarea broșurilor IFIN-HH de prezentare a departamentelor și laboratoarelor (în limbile engleză și română), filme de prezentare:

De trei ori România

1. România@CERN
2. F.A.I.R.
3. România pentru ELI
4. Măgurele – Lumină Extremă

Semințele timpului

5. Domnului Profesor, cu dragoste
6. Reactorul
7. Ciclotronul
8. Platforma Măgurele: între CIFA 1 și GRID

Reactorul Nuclear: 40 de ani de serviciu

9. Repatrierea combustibilului nuclear
10. Dezafectarea
11. Managementul deșeurilor radioactive
12. Fizica pentru medicină

Fizica și protejarea mediului

13. Tritiul
14. Rodos
15. Biofizica
16. Fizica și protejarea patrimoniului național

9. Surse de informare și documentare din patrimoniul științific și tehnic al INCD

- IFIN-HH administrează Biblioteca Națională de Fizică, ce găzduiește redacțiile și asigură editarea revistelor de fizică cotate ISI Romanian Journal of Physics ($FI=0,279$) și Romanian Reports in Physics ($FI=0,458$) precum și a Curierului de Fizică.

Romanian Journal of Physics: 10 numere, 99 lucrări (185 primite), 1167 pagini

Romanian Reports in Physics: 4 numere duble, 85 lucrări (146 primite), 968 pagini

Curierul de Fizică: 3 numere

10. Concluzii

În condițiile dificile ale prelungirii crizei economice și a constrângerilor bugetare majore, IFIN-HH a continuat delicatul proces de restructurare, reușind să se mențină ca institut reprezentativ al României, la nivel european și internațional, în domeniul fizicii nucleare fundamentale și aplicative și să asigure un standard al activităților IFIN-HH la nivelul marilor institute de cercetare din lume. Anul 2010 a prilejuit împlinirea unor proiecte majore, consacrand eforturile mai multor ani:

- semnarea Memorandumului România-CERN și adoptarea de către Parlamentul României a legii privind statutul de membru CERN
- România devine membră fondatoare la FAIR
- Demarea proiectului ELI-NP

11. Perspective/Priorități pentru anul în curs

IFIN-HH va continua să urmărească și în acest an direcțiile principale de cercetare, conform strategiei aprobate a Institutului nostru pentru perioada 2008-2012 (atașată).

În acest context, anul 2011 reprezintă anul angajării decisive a IFIN-HH în trei mari proiecte internaționale menționate mai sus:

- Lansarea construcției la Măgurele a pilonului ELI-Nuclear Physics din cadrul proiectului pan-european ELI-The Extreme Light Infrastructure și structurarea programului științific al viitoarelor cercetări care se vor desfășura la Măgurele începând cu anul 2015,
- Participarea activă la experimentele LHC, în condițiile în care România a semnat memorandumul cu CERN în vederea acceptării țării noastre ca stat membru CERN
- participarea la proiectul FAIR,

precum și în realizarea proiectului de investiții IFIN-Dezvoltarea Infrastructurii de Cercetare (Capacități Mari).

Vor fi continuate acțiunile specifice de promovare a activităților desfășurate în IFIN-HH, prin organizarea de manifestări științifice de amploare – de exemplu European School for High Energy Physics 2011 (ESHEP2011, 7-20 septembrie 2011, Cheile Gradistei) și pregătirea desfășurării European Nuclear Physics Conference (EuNPC2012, 17-21 septembrie 2012, București) și prin realizarea de materiale documentare (filme, broșuri etc.) pentru prezentarea Institutului cu prilejul participării noastre la manifestări naționale și internaționale.



Raport asupra activității Consiliului de Administrație (CA) al IFIN-HH în anul 2010

În conformitate cu prevederile art. 24 ale HG 965/2005 pentru aprobarea ROF IFIN-HH și ale art.8 din Regulamentului propriu de Organizare și Funcționare a CA (ROF-CA), Consiliul de Administrație al IFIN-HH (CA) prezintă Autorității Naționale pentru Cercetare Științifică un raport asupra activității desfășurate în anul precedent și asupra programului de activitate pe anul în curs.

• Date generale privind desfășurarea ședințelor

În cursul anului 2010 CA al IFIN-HH a fost alcătuit din următorii 9 membri:

- 1) *Nicolae Victor Zamfir- Director General, Președinte CA ,*
- 2) *Ioana Tudorache- reprezentant al Ministerului Muncii, Familiei și Protecției Sociale*
- 3) *Roxana Petrescu- reprezentant al Ministerului Finanțelor Publice*
- 4) *Ionel Andrei-reprezentant al Autorității Naționale pentru Cercetare Științifică*
- 5) *Dan Popescu- specialist, Agenția Nucleară*
- 6) *Mitica Dragusin-specialist, IFIN-HH- vicepreședinte CA*
- 7) *Ana Stochioiu- Președinte al Consiliului Științific*
- 8) *Sorin Ghița- specialist Nuclearelectrica SA București*
- 9) *Alexandru Aldea – specialist, INCDFM-IFTM București*

Ședințele s-au desfășurat lunar conform ROF CA. La fiecare ședință au participat ca invitați: Dna Elena Sandu, din partea Sindicatului IFIN-HH și, în funcție de problemele discutate, directorii adjuncți și alți specialiști din sau din afara institutului

Toate subiectele aflate pe ordinea de zi a ședințelor CA au fost susținute de materiale scrise, întocmite de către membrii Comitetului de Direcție sau de specialiști din Institut. Aceste materiale scrise au fost transmise membrilor CA înainte de data anunțată de desfășurare a ședințelor. Discuțiile s-au desfășurat cu responsabilitate și au urmărit prioritate interesele institutului, îmbunătățirea și sprijinirea activităților acestuia.

Toate intervențiile se regăsesc în procesele verbale ale ședințelor. Procesele verbale ale ședințelor sunt semnate de către toți membrii CA.

Redactarea Proceselor Verbale ale ședințelor CA, ale Hotărârilor CA și arhivarea acestora au fost făcute de secretarul CA. Hotărârile adoptate în CA au fost afișate.

• Activitatea CA–IFIN-HH

Propunerea de subiecte pentru Ordinea de zi a ședințelor pentru întreg anul 2010 a fost adoptată în prima ședință a CA din 8 februarie 2010, propunându-se, de regulă, 2-3 subiecte pentru fiecare ședință. O analiza retrospectivă a modului în care a fost îndeplinită această planificare ne relevă următoarele aspecte:

- În planificare apar **32 de subiecte (vezi Anexa A)**, iar din procesele verbale rezultă că au fost dezbătute un număr de **59 de subiecte (vezi Anexa B) (comparativ cu un număr 52 de subiecte dezbătute în 2009)**, fără a considera punctele de tipul „Diverse” și „Aprobarea deplasărilor în străinătate ale Directorului General”.
- Există puncte prevăzute în Planul de ședințe anual care nu au fost discutate în lunile planificate, fiind discutate în ședințe ulterioare de cele mai multe ori cu lărgirea și îmbunătățirea conținutului. În acest fel, rapoartele și analizele au fost consistente și au prilejuit dezbateri și formulări de soluții pentru rezolvarea problemelor prezentate.
- În mod constant au avut loc analize și discuții pe tema structurii de personal implicat în C&D&I, precum și a structurii de personal în general în institut, datorită și dezvoltării noilor infrastructuri destinate cercetării științifice și începerii dezafectării reactorului nuclear VVR-S.
- Situația financiară a fost atent analizată în tot cursul anului 2010, astfel încât să fie asigurate resursele financiare, în special lichiditățile necesare desfășurării normale a activității institutului în relația atât cu autoritățile fiscale, cu furnizorii, cu proprii salariați.
- Situația patrimoniului a fost atent și cu responsabilitate dezbătută în cadrul ședințelor.
- Au fost analizate și aprobate documente de bază care asigură buna funcționare a institutului, actualizarea Regulamentului de Organizare și Funcționare a IFIN-HH- (coduri CAEN), a Regulamentului Intern.

Sinteza subiectelor discutate în raport cu atribuțiile CA menționate în Regulamentul de Organizare și Funcționare a CA–IFIN-HH (ROF), art. 9.

Tabelul conține în prima coloană atribuțiile CA corespunzătoare articolului 9 din ROF, literele a),b) ...y), u), etc, în coloana a doua este rezumată în cuvinte cheie atribuția CA, în coloana a treia se prezintă numărul ședințelor în care a fost dezbătut un subiect în conformitate cu atribuția respectivă, iar în ultima coloană, pentru rigurozitate, este precizat numărul ședinței în care a fost discutat subiectul respectiv, număr care coincide și cu numărul procesului verbal al ședinței CA.

Pct. din art.9	Conținutul atribuției / în cuvinte-cheie	Frecvența anuală	Ședința în care s-a discutat
a)	strategia și programele de dezvoltare ale IFIN-HH*	12	III, IV, V, VI, IX, X, XII
b)	structura organizatorică și funcțională a IFIN-HH**	5	I, III, V, IX
c)	bugetul institutului și situații financiare	4	II, IV, VII, IX
d)	situația financiară // raport de gestiune	4	II, IV, VII, IX
e)	performanța activității***	8	III, VII, VIII, IX, XI, XII,
f)	investiții	3	X, XI
g)	patrimoniu ****	10	I, II, III, V, VIII, IX, X,
h)	valorificare a bunurilor dezmembrete	1	X
o)	criterii și comisii de concurs	9	I, V, VI, VII, VIII, IX, X,
s)	alte atribuții,	1	VI
t)	regulamentul intern IFIN-HH	1	XI
u)	activitatea Consiliului Științific	1	XII

- *) proiecte PNCDI II, NUCLEU, IDEI, CAPACITATI MARI, PHARE, proiecte internationale, instalații speciale de interes național-ISIN, strategie de dezvoltare, managementul deșeurilor radioactive și combustibil nuclear uzat, dezafectare.
- ***) concursuri pentru ocuparea posturilor vacante, propunere actualizării HG 1309/1996, HG 965/2005, Regulament Intern
- ****) activitatea Comitetului de Direcție, utilizare fonduri ISIN, evaluare personal, structura personal, securitate nucleară, dezafectare reactor, modernizare Stație de Tratare Deșeuri Radioactive și Depozit Național pentru Deșeuri Radioactive, performanța serviciilor funcționale, a laboratoarelor, departamentelor, managementul deșeurilor radioactive, performanța financiară (acoperirea prin contracte CD),
- *****) inventariere, casări, dezmembrare, valorificare, micșorare/mărire patrimoniu, concesiune, închiriere

Din analiza tabelului se constată următoarele:

- Se remarcă preocuparea constantă și majoră a CA legată de aspecte strategice și programe de dezvoltare dezbătute în cadrul a 12 subiecte în 7 ședințe, demonstrând o bună capacitate de reacție a organelor de conducere la oportunitățile și provocările societății;
- CA-IFIN-HH s-a focalizat și asupra problemelor care contribuie la performanța activității institutului, discutând în 6 ședințe diverse aspecte: situația contractării de proiecte C-D naționale și internaționale precum și gestionarea lor, structura și calitatea personalului, rezultatele evaluării profesionale a salariaților, eficientizarea diferitelor tipuri de fonduri de care beneficiază institutul, probleme speciale și specifice cum ar fi cele legate de securitate nucleară, dezafectarea reactorului și managementul deșeurilor radioactive, instalații de interes național, proiecte naționale și internaționale. Este cu totul remarcabilă analiza de detaliu a activității serviciilor funcționale, de a căror eficiență depinde desfășurarea în bune condiții a activității de bază. Activitatea laboratoarelor autorizate și eficiența economică a acestora a fost un alt subiect legat de performanța activităților din institut;
- Un alt subiect dezbătut cu toată atenția a fost cel al gestionării corecte și legale a patrimoniului, care a revenit în discuțiile CA – IFIN-HH în 7 ședințe, aspecte importante discutate fiind legate de terenuri, închirieri spații, inventarierea patrimoniului și rezultatul acestei activități, valorificări de materiale rezultate din dezmembrări;
- Discutarea intensă a problemelor legate de organizarea și finalizarea de concursuri de ocupare a unor posturi, apărută în dezbaterile CA în 7 ședințe, demonstrează preocuparea de asigurare a resurselor umane necesare susținerii implementării strategiei institutului în următorii ani.
- Regulamentul Intern al IFIN-HH, unul din documentele de bază ale institutului, a fost aprobat de către CA în cursul lunii noiembrie 2010.

• Concluzii

CA și-a desfășurat activitatea în cadrul prevăzut de lege, îndeplinindu-si activ și cu responsabilitate atribuțiile și competențele.

Prin hotărârile adoptate și prin problematicile discutate, CA a contribuit la bunul mers al institutului. Realizările institutului în anul 2010 au fost superioare celor din 2009 și prin contribuția activă a membrilor CA la luarea promptă a deciziilor.

Menționam rezultatele marcante ale institutului din anul 2010:

- au început lucrările de construcție a clădirilor și de contractare ale echipamentelor prevăzute fiecare infrastructură în cadrul proiectului Capacități Mari;
- România este țara cu depline drepturi în mari colaborări la CERN, FAIR și anul în care a fost început proiectul ELI-NP, IFIN-HH având rolul de coordonator și principal partener în aceste mari colaborări și proiecte;
- a început dezafectarea reactorului nuclear VVR-S, modernizarea instalațiilor Stației de Tratare a Deșeurilor Radioactive și ale Depozitului Național de Deșeuri Radioactive;
- pentru îndeplinirea indicatorilor și obiectivelor prevăzute în proiectele PHARE destinate reactorului VVR-S și STDR au fost prevăzute fonduri prin hotărâre de guvern. Astfel, proiectul PHARE destinat reactorului VVR-S a fost finalizat integral în anul 2010, iar cel destinat STDR se va finaliza în anul 2011.

Modul constructiv de abordare a problemelor și de desfășurare a discuțiilor au demonstrat responsabilitatea tuturor membrilor.

Adoptarea deciziilor a arătat coerența atitudinii tuturor membrilor care au acționat pe tot parcursul anului ca o echipă.

Ședințele CA s-au desfășurat cu periodicitatea necesară cu participarea activă a tuturor membrilor sai.

Președințe, Director General,

Prof. Dr. Nicolae Victor Zamfir, MCA

Anexa A**Plan de ședințe ale Consiliului de Administrație(CA) al IFIN-HH
în anul 2010****CA - ianuarie 2010**

- Aprobarea Raportului de Activitate al CA IFIN-HH pe anul 2009
- Aprobarea Planului de ședințe al CA pe anul 2010.
- Informare privind inventarierea patrimoniului IFIN-HH la data de 31.12.2009

CA - februarie 2010

- Aprobarea raportului privind îndeplinirea criteriilor de selectare ca Instalații (Obiective) Speciale de Interes Național a unor instalații nucleare și radiologice din IFIN-HH și a utilizării fondurilor aferente anului 2009.
- Aprobarea bugetului de venituri și cheltuieli al IFIN-HH pe anul 2010.
- Informare privind derularea obiectivului de investiție din cadrul IFIN-HH “Dezafectarea Reactorului Nuclear VVR-S, repatrierea combustibilului nuclear uzat EK-10 și modernizarea instalațiilor Stației de Tratare a Deșeurilor Radioactive”.

CA - martie 2010

- Aprobarea Planului de investiții al IFIN-HH pentru perioada 2010-2011;
- Avizarea raportului privind activitatea de cercetare-dezvoltare din IFIN-HH în anul 2009
- Informare cu privire la evaluarea personalului în anul 2009.
- Informare privind situația Proiectelor PHARE și a stadiului asigurării finanțării pentru realizarea obiectivelor asumate față de Uniunea Europeană prin fișele de proiect pentru dezafectare reactor, modernizare a Stației de Tratare a Deșeurilor Radioactive și a Depozitului Național pentru Deșeuri Radioactive

CA - aprilie 2010

- Aprobarea raportului asupra problemelor de Securitate Nucleară din IFIN-HH.
- Informare privind proiectele IFIN-HH în programul național CAPACITĂȚI

CA - mai 2010

- Aprobarea Bilanțului contabil al IFIN-HH la data de 31.12.2009.
- Informare asupra activității Centrului de Dezafectari și Management Deșeuri Radioactive—derularea obiectivului de investiție “Dezafectarea Reactorului Nuclear VVR-S, repatrierea combustibilului nuclear uzat EK-10 și modernizarea instalațiilor Stației de Tratare a Deșeurilor Radioactive”

CA - iunie 2010

- Informare privind activitatea de promovare anuală a personalului de cercetare—dezvoltare.
- Informare privind Contractul Colectiv de Muncă(CCM)
- Aprobarea componenței Comisiei Paritare de negociere a CCM
- Informare privind stadiul implementării strategiei de dezvoltare a IFIN-HH pentru perioada 2007-2012

CA - iulie 2010

- Informare privind situația creanțelor și datoriilor IFIN-HH la data de 30.06.2010.
- Informare privind participarea IFIN-HH la PNCDI II.
- Aprobarea raportului privind gestionarea informațiilor clasificate din IFIN-HH

CA - august 2010

- Aprobarea raportului de gestiune privind situația financiară a IFIN-HH la data de 30.06.2010.
- Informare privind stadiul de implementare în IFIN-HH a normelor legale de standardizare și acreditare și reflectarea acestora în performanțele economice ale laboratoarelor.

CA - septembrie 2010

- Informare privind activitatea serviciilor funcționale și administrative.
- Aprobarea raportului privind structura de personal din IFIN-HH.

CA - octombrie 2010

- Informare privind stadiul realizării planului de investiții pentru anul 2010.
- Informare privind desfășurarea activităților din IFIN-HH în cadrul Programului Nucleu.
- Aprobarea programului de inventariere a patrimoniului IFIN-HH în anul 2010.
- Aprobarea raportului privind desfășurarea investiției “Dezafectarea Reactorului Nuclear VVR-S, repatrierea combustibilului nuclear uzat EK-10 și modernizarea instalațiilor Stației de Tratare a Deșeurilor Radioactive” din cadrul IFIN-HH.

CA - noiembrie 2010

- Informare cu privire la acoperirea prin contracte a activității Institutului în anul 2010.
- Informare privind participarea IFIN-HH la proiecte internaționale de cercetare.
- Aprobarea rectificării bugetului de venituri și cheltuieli a IFIN-HH pe anul 2010.

CA - decembrie 2010

- Aprobarea raportului de activitate al Comitetului de Direcție pe anul 2010.
- Informare privind activitatea Consiliului Științific pe anul 2010

Anexa B**SEDINȚELE CONSILIULUI DE ADMINISTRATIE
DESFĂȘURATE ÎN DECURSUL ANULUI 2010****I. 8 FEBRUARIE 2010**

1. Aprobarea raportului propriu de activitate pe anul 2009.
2. Aprobarea planului de ședințe ale Consiliului de Administrație pe anul 2010.
3. Aprobarea transferului unor mijloace fixe din administrarea Institutului Național de Cercetare-Dezvoltare pentru Fizică și Inginerie Nucleară în administrarea Institutului Național pentru Fizica Pamantului.
4. Aprobarea casării căii ferate de incintă (denumire de inventar: Linie CF Garaj) a IFIN-HH.
5. Aprobarea rezultatelor concursului pentru ocuparea posturilor de Cercetător științific gr. II și a unui post de Inginer de dezvoltare tehnologică gr. II, în cadrul IFIN-HH.
6. Aprobarea suplimentării numărului de posturi de Cercetător științific gr. II în cadrul IFIN-HH, scoase la concurs.
7. Aprobarea scoaterii la concurs a următoarelor posturi: un post Medic de medicină generală (Compartiment prevenire și Protecție), 2 posturi Biolog și un post Îngrijitor laborator (Dep. Iradierii Tehnologice), un Operator exploatare instalații nucleare și un Tehnician III (Dep. Fizică Nucleară Aplicată – Ciclotron).
8. Informare privind inventarierea patrimoniului în IFIN-HH la data de 31.12.2009.
9. Aprobarea deplasărilor în străinătate ale Directorului General.
10. Diverse.

II. 25 FEBRUARIE 2010

1. Aprobarea bugetului de venituri și cheltuieli al IFIN-HH pe anul 2010.
2. Aprobarea casării unor mijloace fixe și obiecte de inventar din cadrul IFIN-HH.
3. Aprobarea organizării concursului pentru ocuparea unui număr de șapte (7) posturi de Cercetător științific gr. III și două (2) posturi de Inginer de dezvoltare tehnologică gr. III în cadrul IFIN-HH, a criteriilor și comisiilor de concurs.
4. Aprobarea unor deplasări în străinătate ale Directorului General.
5. Diverse.

III. 23 MARTIE 2010

1. Aprobarea raportului privind îndeplinirea criteriilor de selectare ca Instalații Speciale de Interes Național a unor instalații nucleare și radiologice din IFIN-HH.
2. Avizarea raportului anual de activitate al IFIN-HH pe anul 2009.
3. Avizarea solicitărilor S.C. Optoelectronică – 2001 S.A. transmise prin Adresa înregistrată la IFIN-HH sub nr. 1290/11.03.2010.
4. Aprobarea scoaterii la concurs a postului de Șef Compartiment Aprovizionare și Achiziții Publice.
5. Aprobarea radierii punctului de lucru DNDR, IFIN-HH din Str. Cuza Vodă nr. 9, Oraș Ștei, Județul Bihor și a înființării acestuia în Str. Băița-Plai nr. 8, Oraș Nucet, Județul Bihor.
6. Adoptarea propunerii de modificare și completare a H.G. nr. 1309/1996, privind înființarea IFIN-HH, cu modificările și completările ulterioare și a noului proiect de act normativ.
7. Aprobarea rezultatelor concursului pentru ocuparea unui post de Inginer de dezvoltare tehnologică gr. II.
8. Aprobarea unor deplasări în străinătate ale Directorului General.

9. Informare privind evaluarea personalului IFIN-HH pe anul 2009.
10. Diverse.

IV. 19 APRILIE 2010

1. Aprobarea bilanțului contabil al IFIN-HH la data de 31.12.2009.
2. Aprobarea raportului asupra problemelor de Securitate Nucleară din IFIN-HH.
3. Aprobarea scoaterii la concurs a unui post de Contabil la Departamentul Fizica Hadronică.
4. Aprobarea unor deplasări în străinătate ale Directorului General.
5. Diverse.

V. 17 MAI 2010

1. Aprobarea înființării unei subunități fără personalitate juridică a IFIN-HH - "ELI-Nuclear Physics" și a modificării și completării în consecință a actelor normative privind organizarea și funcționarea institutului.
2. Aprobarea raportului privind problemele de securitate nucleară din IFIN-HH și a planului de acțiuni privind rezolvarea problemelor de securitate nucleară din IFIN-HH pe perioada 2010-2013.
3. Aprobarea casării unor mijloace fixe.
4. Aprobarea participării institutului la Programul de stimulare a înnoirii Parcului auto național.
5. Aprobarea rezultatelor concursului pentru ocuparea funcțiilor de Cercetător științific gr. III și Inginer de dezvoltare tehnologică gr. III în cadrul IFIN-HH.
6. Aprobarea organizării concursului pentru ocuparea unor posturi de Cercetător științific și Inginer de dezvoltare tehnologică în cadrul IFIN-HH, precum și a comisiilor de concurs.
7. Aprobarea scoaterii la concurs a unui post de Programator în cadrul Departamentului Particule Elementare și Tehnologii Informationale, a criteriilor și a comisiilor de concurs.
8. Aprobarea unor deplasări în străinătate ale Directorului General.
9. Diverse.

VI. 01 IULIE 2010

1. Aprobarea Raportului de Securitate Nucleară din IFIN-HH.
2. Informare privind acoperirea cu contracte în anul 2010.
3. Aprobarea componenței și a mandatului Comisiei Paritare de Negociere a Contractului Colectiv de Muncă al IFIN-HH
4. Aprobarea unor deplasări în străinătate ale Directorului General.
5. Diverse.

VII. 29 IULIE 2010

1. Avizarea raportării financiare a IFIN-HH la data de 30.06.2010 și aprobarea raportului privind situația financiară a IFIN-HH la data de 30.06.2010.
2. Hotărâre privind măsurile dispuse în vederea aplicării prevederilor aprobate prin Memorandumul cu tema "Participarea reprezentanților statului, numiți în organele de conducere ale operatorilor economici, precum și a salariaților din cadrul regiilor autonome, societăților și companiilor naționale și societăților comerciale, la care capitalul social este deținut integral sau majoritar de stat, inclusiv filialele acestora, la măsurile de solidaritate socială".
3. Aprobarea Regulamentului de concurs/promovare pentru ocuparea funcțiilor de tehnicieni în cadrul IFIN-HH.
4. Aprobarea scoaterii la concurs a următoarelor posturi: un post Economist și un post Inginer în cadrul Departamentului Particule Elementare și Tehnologii Informaționale;

un post Biolog în cadrul Departamentului Iradierii Tehnologice – Laboratorul de Microbiologie, un post Expert Centru Perfecționare în cadrul Centrului de Pregătire și Specializare în Domeniul Nuclear.

5. Aprobarea unor deplasări în străinătate ale Directorului General.
6. Diverse.

VIII. 15 SEPTEMBRIE 2010

1. Aprobarea componenței și a regulamentului de funcționare a comisiei de stabilire a echipamentelor de protecție individuală și colectivă de radiații.
2. Aprobarea transferului către Primăria Magurele a 5 foraje de apă aflate în afara ariei administrate de IFIN-HH.
3. Aprobarea raportului privind gestionarea informațiilor clasificate din IFIN-HH.
4. Aprobarea rezultatelor concursului pentru ocuparea posturilor de Cercetător științific și Inginer de dezvoltare tehnologică, în cadrul IFIN-HH.
5. Aprobarea unor deplasări în străinătate ale Directorului General.
6. Diverse

IX. 13 OCTOMBRIE 2010

1. Aprobarea bugetului de venituri și cheltuieli al IFIN-HH rectificat pe anul 2010.
2. Aprobarea Raportului privind structura de personal a IFIN-HH, octombrie 2010.
3. Aprobarea transferului de la IFIN-HH către Consiliul Local (Primăria) Măgurele a cinci foraje de apă aflate în administrarea institutului, localizate în afara perimetrelor IFIN-HH.
4. Aprobarea scoaterii la concurs a două posturi de Cercetător științific gr. II și a comisiilor de concurs.
5. Informare privind stadiul implementării strategiei de dezvoltare a IFIN-HH pentru perioada 2007 – 2012.
6. Informare privind desfășurarea activităților din IFIN-HH în cadrul Programului Nucleu.
7. Aprobarea unor deplasări în străinătate ale Directorului General.
8. Diverse.

X. 17 NOIEMBRIE 2010

1. Aprobarea planului de investiții al IFIN-HH pentru anul 2011 - 2014.
2. Aprobarea programului de inventariere a patrimoniului IFIN-HH în anul 2010.
3. Aprobarea valorificării transformatoarelor dezafectate prin reabilitarea stațiilor electrice Grup 1 și Grup 2.
4. Aprobarea scoaterii la concurs a următoarelor posturi: 1 Fizician la Departamentul Particule Elementare și Tehnologii Informaționale, 2 Muncitori calificați la Departamentul Fizică Nucleară, un Tehnician III la Departamentul Radioizotopi și Metrologia Radiațiilor, un Îngrijitor la Compartimentul Bibliotecă, Diseminare, Relații Publice, Transfer Tehnologic și Marketing, precum și a criteriilor și comisiilor de concurs.
5. Informare privind stadiul investițiilor în anul 2010.
6. Informare privind stadiul implementării proiectului Capacități mari 7PM/I/2008 în anul 2010.
7. Informare privind stadiul contractării și implementării proiectelor Phare (Reactor și STDR).
8. Aprobarea unor deplasări în străinătate ale Directorului General.
9. Diverse.

XI. 13 DECEMBRIE 2010

1. Aprobarea Regulamentului Intern al IFIN-HH.
2. Aprobarea raportului privind desfășurarea proiectului “Dezafectarea Reactorului Nuclear VVR-S, repatrierea combustibilului nuclear uzat EK-10 și modernizarea instalațiilor Stației de Tratare a Deșeurilor Radioactive” din cadrul IFIN-HH.
3. Aprobarea completării codurilor CAEN aferente activităților conexe activității de cercetare-dezvoltare a IFIN-HH cu codul CAEN 8559 - Alte forme de învățământ n.c.a. (rev. 2. – Ordin nr. 337/2007), corespunzător activităților de formare și specializare profesională menționate în H.G. nr. 965/2005.
4. Informare privind activitatea laboratoarelor autorizate din cadrul IFIN-HH.
5. Aprobarea unor deplasări în străinătate ale Directorului General.
6. Diverse.

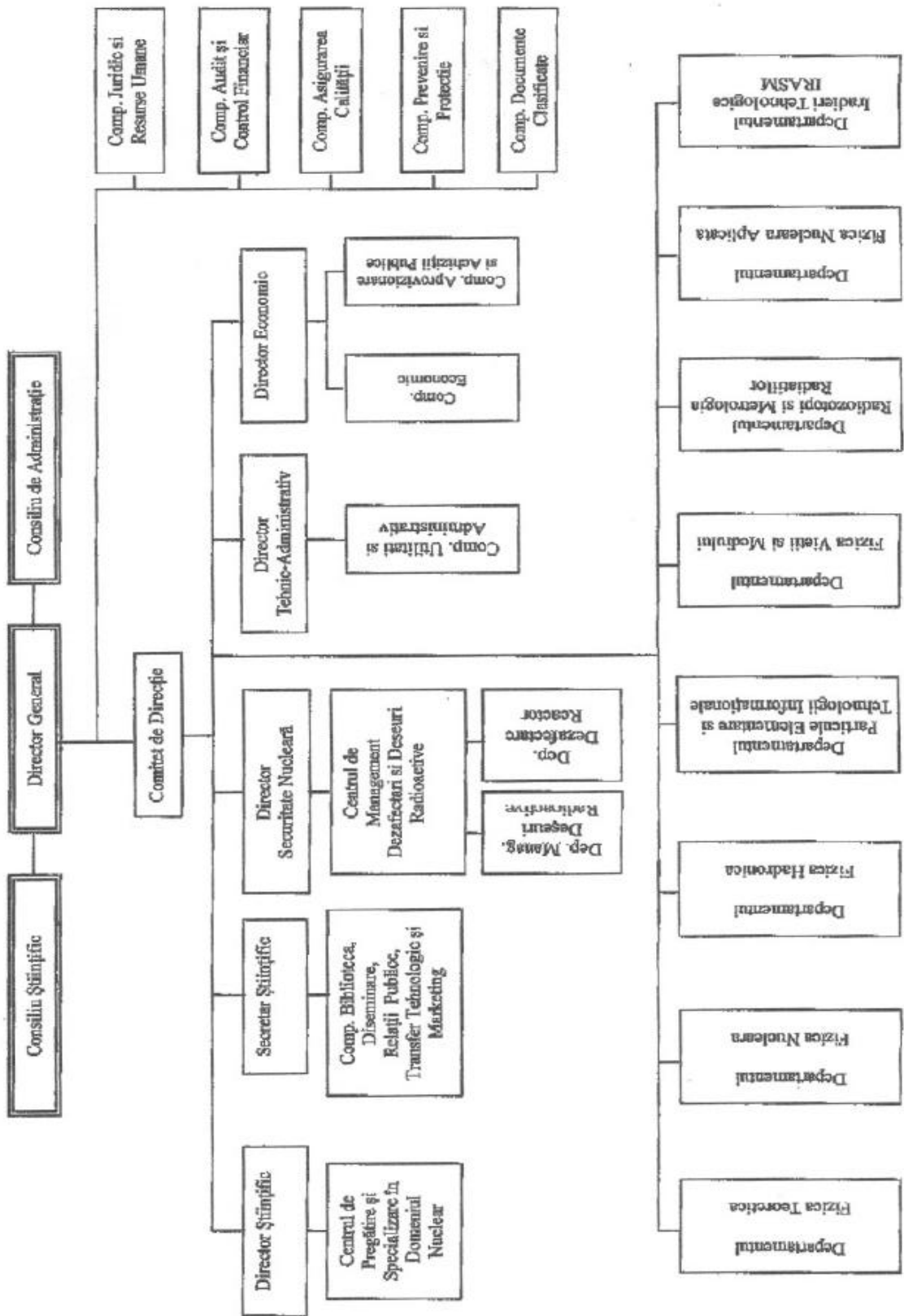
XII. 21 DECEMBRIE 2010

1. Raportul de activitate al IFIN-HH pe 2010.

Anexa 1: Organigrama

ANEXA
La Decizia ANCS nr. 9640/24.03.2009

STRUCTURA ORGANIZATORICĂ A INSTITUTULUI NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICĂ
ȘI INGINERIE NUCLEARĂ – HORIA HULUBEI (IFIN-HH)



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Anexa 2: Componenta veniturilor realizate de IFIN-HH în anul 2010

Nr.crt.	Sursa de finantare	Autoritatea Contractantă	Valoare contract total	Valoare IFIN	Statutul IFIN în proiect
1	PNCDI 2	Centrul Național de Management Programe	6.427.082	4.199.210	Contractor
2	PNCDI 2	Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării	5.911.912	5.911.912	Contractor
3	PNCDI 2	Autoritatea Națională pentru Cercetare Științifică	17.333.054	16.745.054	Contractor
4	PNCDI 2	Institutul de Fizică Atomică	193.500	193.500	Contractor
5	PNCDI 2	Universitatea Politehnică București	67.320	67.320	Partener
6	PNCDI 2	Universitatea București	95.883	95.883	Partener
7	PNCDI 2	Universitatea Sapiența	19.600	19.600	Partener
8	PNCDI 2	Institutul Național de Cercetare Dezvoltare pentru Optoelectronică	36.000	36.000	Partener
9	PNCDI 2	UMF Carol Davila	45.288	45.288	Partener
10	PNCDI 2	Institutul de Științe Spațiale	94.340	94.340	Partener
11	PNCDI 2	Universitatea din Pitești	25.136	25.136	Partener
12	PNCDI 2	Institutul Național de Cercetare Dezvoltare pentru Fizica Laserilor, Plasmei și Radiațiilor	108.255	108.255	Partener
13	PNCDI 2	Institutul Victor Babes	103.000	103.000	Partener
14	PNCDI 2	Universitatea Al.I.Cuza Iași	75.530	75.530	Partener
15	PNCDI 2	Universitatea Valahia Tîrgoviște	39.426	39.426	Partener
16	PNCDI 2	Institutul Național de Metale Rare	39.071	39.071	Partener
17	PNCDI 2	Institutul Oncologic București	34.092	34.092	Partener
18	PNCDI 2	SC Velfina SRL	110.000	110.000	Partener
19	PNCDI 2	Institutul Național de Cercetare Dezvoltare pentru Tehnologii Izotopice și Criogenice Rm. Vilcea	102.520	102.520	Partener
20	PNCDI 2	Sucursala de Cercetări Nucleare Pitești	25.124	25.124	Partener
21	PNCDI 2	Institutul Național de Medicină, Fizică și Balneoclimatologie (INRMFB)	20.000	20.000	Partener
22	PNCDI 2	Institutul Național de Cercetare Dezvoltare pentru Fizica Materialelor	30.940	30.940	Partener
23	PNCDI 2	Institutul Național de Cercetare Dezvoltare pentru Textile și Pielarie	62.008	62.008	Partener
24	PNCDI 2	UM 02512	65.000	65.000	Partener
25	PNCDI 2	Institutul Național de Cercetare Dezvoltare pentru Pedologie, Agrochimie și Protecția Mediului București (ICPA)	81.769	81.769	Partener
26	PNCDI 2	SC OPTO	10.000	10.000	Partener
27	PNCDI 2	SC Centrul Medical Unirea	90.000	90.000	Partener
		TOTAL PNCDI 2	31.245.850	28.429.978	
28	PN	Autoritatea Națională pentru Cercetare Științifică	41.574.479	41.574.479	Contractor

		TOTAL PROGRAM NUCLEU	41.574.479	41.574.479	
29	DUBNA	Autoritatea Națională pentru Cercetare Științifică	248.883	248.883	Contractor
		TOTAL PROGRAM DUBNA	248.883	248.883	
30	IIN	Autoritatea Națională pentru Cercetare Științifică	15.599.000	15.599.000	Contractor
		TOTAL IIN	15.599.000	15.599.000	
		TOTAL 1-30	88.668.212	85.852.340	
31		Servicii de cercetare cu agenti economici	3.390.346	3.390.346	
32	PHARE HG 902	Autoritatea Națională pentru Cercetare Științifică	1.542.000	1.542.000	
33	HG 898 DEZAFECTARE	Autoritatea Națională pentru Cercetare Științifică	13.000.000	13.000.000	
34		COLABORARI INTERNATIONALE	3.442.012	3.442.012	
		TOTAL GENERAL	110.042.570	107.226.698	

Anexa 3: Total personal IFIN-HH

Total personal IFIN-HH : 645, din care:

- Total personal cercetare: 326, din care:

CS I	72
CS II	50
CS III	56
CS	47
ASC	72
IDT I	12
IDT II	6
IDT III	6
IDT	5

- Personal auxiliar cercetării: 108 salariați

- Informații privind activitățile de perfecționare a resursei umane (personal implicat în procese de formare – stagii de pregătire, cursuri de perfecționare)

Nr.crt	Forma Perfecționare	Nr. Persoane
1.	Masterat	18
2.	Doctorat	93
3.	Burse post-doctorale	2
4.	Școli de vară	11
5.	Cursuri	107
6.	Stagii cercetare (AC, CS)	7
7.	Stagii cercetare (CS III-CS I)	9
8.	Conferințe(AC, CS)	16
9.	Conferințe(CS III-CS I)	38
10.	Workshop	40
11.	Documentare, cooperare, Schimburi de experiență	160
	TOTAL	501

Anexa 4: Lista echipamentelor performante și facilitățile de cercetare specifice:

- echipamente corporale: 171
- echipamente necorporale: -

Echipamente corporale peste 100.000 lei

Nr. inv.	Denumire	Valoare	Data PIF
4910207	GAUSMETRU MAGNETIC RMN	114,885.28	12/1/2005
6405801	CENTRALA TERMICĂ CPR	290,138.51	1/2/2008
7782801	Extensie rețea Ethernet și Fibre Channel	151,000.00	12/22/2009
7810001	CENTRALA TERMICĂ GRUP I REACTOR	106,137.96	3/1/2001
7810002	Sistem automat de supraveghere C.T.	153,182.27	12/2/2009
7841700	SPECTROMETRU MINISCOP MS 200 I	180,599.99	12/1/2003
7846401	CENTRALA PT.VENTILAȚIE CLIMATIZ.	247,932.20	12/1/2003
7857801	Detector HP Ge	169,366.33	1/3/2007
7857900	MONITOR RADIAȚII BERTHOLD	145,486.58	9/1/2004
7863900	STIVUITOR ELECTRIC 3.5t	120,855.94	12/1/2004
7864700	DETECTOR DE Ge	135,626.94	12/1/2004
7864800	ANALIZOR MULTICANAL PORTABIL	119,483.08	12/1/2004
7872000	SURSE DE COBALT	681,524.13	12/1/2004
7884300	SPECTROMETRU CU ABSORBȚIE	168,959.89	11/1/2005
7884700	LANT GAMMA SPECTROMETRIC	135,702.40	11/1/2005
7885601	SPECTROMETRU IR	107,061.92	12/1/2005
7887802	ANALIZOR CU SCINTILATORI lichizi	157,563.14	11/1/2005
7889900	CROMATOGRAF DE GAZE	418,166.00	12/1/2005
7890300	MONITOR TRITIU DIN AER	130,239.55	12/1/2005
7890400	DETECTOR HP Ge 30	119,761.53	12/1/2005
7890800	DETECTOR HP Ge model GEM 45 P4	148,731.16	12/1/2005
7891000	DETECTOR HP Ge model ORTEC	148,731.16	12/1/2005
7894000	DETECTOR HP Ge model ORTEC	103,083.87	12/1/2005
7894700	SPECTROMETRU GAMMA cu detector HP	173,782.49	12/1/2005
7896100	SCANNER TLC pentru gamma și beta	111,773.13	12/1/2005
7900200	OSCILOSCOP DIGITAL TDS 5054 B	114,198.50	12/1/2005
7901200	MONITOR GAMMA GIM 204	102,738.75	12/1/2005
7908100	Unitate portabila VACU-BLAST-U1	120,894.48	10/1/2005
7909100	CROMATOGRAF HPLC	333,200.00	5/1/2006
7911100	Thermocycler cu Real Time PCR	122,500.00	5/1/2006
7912800	Echipament Spectrofluorimetru	100,742.57	5/1/2006
7916400	SISTEM DE SPECTROSCOPIE	110,131.57	7/1/2006
7933400	MAȘINA DE BOBINAT	107,355.00	1/15/2004
7938300	GENERATOR DE RADIAȚII X cu accesorii	238,014.94	12/4/2006
7947800	MICROSCOP DE EPIFLUORESCENȚĂ	104,942.00	2/25/2007
7948000	SISTEM ANALIZA TERMOGRAVIMETRICĂ	134,066.90	2/27/2007
7948500	DISPOZITIV UNIVERSAL DE TESTARE	126,998.84	2/27/2007
7948700	DISPOZITIV UNIVERSAL DE MĂSURAT	124,960.66	3/1/2007
7957100	VANA VID cu accesorii	108,339.00	1/2/2007
7960300	SPECTROMETRU de laborator	117,883.61	5/16/2007
7960500	SPECTROMETRU Gamma	119,913.17	5/16/2007
7963000	SISTEM GAMMA SPECTROMETRIC	206,274.78	1/3/2007
7963300	ANALIZOR ION CROMATOGRAF	100,088.63	6/17/2007
7963600	ORTEC digiDART	126,635.52	6/12/2007
7964100	SPECTROMETRU MIDEX M	257,470.70	6/20/2007

Nr. inv.	Denumire	Valoare	Data PIF
7965900	MODULE ELECTRONICE	131,737.73	7/8/2007
7966000	INSTALAȚIE DE SPECTROMETRIE Gamma	110,115.61	7/10/2007
7966600	MICROSCOP INVERSAT DE CERCETARE	108,405.00	7/31/2007
7966601	Accesorii pentru microscop	169,518.31	10/18/2007
7972200	SPECTROMETRU PORTABIL XRF	147,909.00	6/17/2007
7985200	ECHIPAMENT MICROSCOPIE	316,367.00	9/12/2007
7985800	SPECTROMETRU OES portabil Oxford	150,246.00	10/1/2007
7993600	CITITOR DE DETECTORI	129,199.20	10/24/2007
8000900	ARHIVA ELECTRONICĂ SERVER	155,379.84	1/3/2007
8014100	CITITOR DE MICROPLĂCI Mithros	120,000.00	12/16/2007
8018900	SURSA MULTI-CATOD Tip 40	255,350.00	12/20/2007
8029500	LIEBERT BASE UNIT Nxa 80 KVA	297,972.52	12/9/2007
8029600	SISTEM STOCARE IBM DS 4800	222,415.46	12/9/2007
8034900	DETECTOR DIN SILICIU	124,959.98	12/6/2007
8036600	SISTEM DE PROCESARE A DATELOR	201,290.57	12/6/2007
8045500	GRUP ELECTROGEN	257,665.10	12/16/2007
8048700	ANSAMBLU EXTER STOCARE	115,260.00	12/11/2007
8053400	SPECTROMETRU PORTABIL XRF	119,008.22	8/29/2007
8054800	SISTEM PROTECȚIE FIZICĂ PERIMETRALĂ	250,000.00	1/2/2007
8054801	SISTEM PROTECȚIE FIZICĂ	419,661.83	8/1/2009
8070100	SISTEM alfa/beta/gamma global	175,789.34	4/11/2008
8072000	GAMMA SCANNER WS 1100	494,374.00	3/17/2008
8074500	Detectori și module electronice nucleare	407,735.27	5/9/2008
8075300	DETECTOR DE PARTICULE	211,050.40	3/13/2008
8085400	ANALIZOR cu scintilatori lichizi LSC	432,401.60	6/3/2008
8085600	DIFRACTOMETRU de raze X	272,878.20	5/7/2008
8088900	Alimentare electrică de avarie	123,537.12	6/12/2008
8090400	Sistem de măsură CONTOR DE CORP	628,026.68	1/2/2008
8090500	SISTEM DE DETECTORI pt. Spectroscopie	520,218.69	1/5/2008
8091300	Sistem RISO TL/OSL-DA-20C/D	259,179.13	6/13/2008
8094900	Laser pentru sudură < 20 Kw	262,852.00	7/18/2008
8097000	CROMATOGRAF pentru det. purității	237,207.00	6/26/2008
8098100	SISTEM MASURĂ A MĂRIMII Zeta	153,488.00	9/9/2008
8098500	Sistem motorizat de focalizare	130,000.00	6/12/2008
8101900	CROMATOGRAF DE LICHIDE	142,006.40	10/2/2008
8102100	SURSA ALIMENTARE de înaltă tensiune	322,697.73	1/2/2008
8105000	DETECTORI SCINTILATORI Rapizi	350,000.00	9/13/2008
8106200	UPS de mare putere MPS 250 SINUS	114,195.12	8/26/2008
8108100	INSTALAȚIE de tip PORTAL- MASINI	363,698.06	11/26/2008
8109400	Poarta radiologică cu barieră	251,453.05	11/21/2008
8109500	SISTEM DETECȚIE MAT. RADIOACTIVE	227,388.61	11/21/2008
8110800	SISTEM PULSARE	753,079.00	1/2/2008
8111200	DETECTOR RAD.Gamma de tip GeHP	721,182.43	12/3/2008
8114000	ANSAMBLU DE STOCARE	322,755.00	12/6/2008
8114100	SERVER DE CALCUL	363,510.00	12/5/2008
8114600	DISPOZITIV DE STOCARE	210,944.26	12/9/2008
8115500	SISTEM DE CALCUL de înaltă performanță	389,006.88	12/13/2008
8115700	Instalație de climatizare pt. GRID	725,524.27	12/11/2008
8115900	ROBOT DEMOLATOR	414,247.75	12/2/2008
8115901	GRAPPLE G30 (Foarfeca, disp.frezare)	292,721.05	12/3/2009
8116800	Echipamente pt. sistem de securitate	111,211.00	5/3/2008
8116900	Detector PAXSCAN 4030E	164,649.50	4/1/2008
8117000	Detector PAXSCAN 4030E	164,649.50	4/1/2008
8117100	Detector PAXSCAN 4030E	156,499.20	5/10/2008

Nr. inv.	Denumire	Valoare	Data PIF
8117200	Detector PAXSCAN 4030E	156,499.20	5/10/2008
8117300	Sistem de achiziție multiparametric	109,012.80	11/4/2008
8121700	POMPA TURBOMOLECULARĂ	106,580.00	7/7/2008
8123500	Sistem de curățare cu Plasmă	144,375.00	8/15/2008
8123700	INSTALAȚIE DE DEPUNERE Stratouri	195,537.10	11/21/2008
8126700	STAȚIE AZOT	888,723.54	1/2/2008
8126800	SISTEM ANTICOMPTON	646,571.81	1/2/2008
8126801	Sistem Anticompton - diferență	287,430.40	8/1/2009
8126900	CENTRALA TERMICĂ DFVM	308,240.02	1/2/2008
8127000	GENERATOR ESE 1150 TAC	472,132.50	1/2/2008
8128800	SISTEM DE CLIMATIZARE	150,000.00	6/13/2009
8129400	LABORATOR DE DATARE	101,701.24	1/3/2009
8129700	INSTALAȚIE RĂCIRE AER	605,970.89	1/3/2009
8129900	GENERATOR ELECTRIC de interventie	250,050.52	1/3/2009
8131200	CAMERA CURĂȚAT MODULARĂ	117,162.44	6/13/2009
8132000	RETEA GAZE G-2	164,090.29	1/3/2009
8132800	REABILITARE ALIMENTARE cu APA	166,612.45	1/3/2009
8136600	Unitate de măsură TESLAMETRU	120,000.00	8/1/2009
8138200	MODULE ELECTRONICE	219,538.24	8/1/2009
8138300	DETECTOR CLOVER	1,130,842.49	8/1/2009
8138600	SPECTROMETRU FTIR	751,651.60	8/1/2009
8138700	GENERATOR WILSON P 1100 E1	592,928.33	8/1/2009
8139300	SISTEM DE CALCUL de înaltă performanță	342,000.00	9/8/2009
8143100	CONDUCTA TRANSPORT AZOT	118,545.48	9/1/2009
8143300	Instalație de ventilație și climatizare	151,000.00	9/8/2009
8146700	Lanț de detecție GAMMA Spectrometric	183,045.83	11/6/2009
8149600	INSTALAȚIE DE CLIMATIZARE AER	189,456.92	12/5/2009
8150000	CITOMETRU DE FLUX - model CELLO	243,950.00	12/10/2009
8151400	Monitor Aerosoli ALFA-BETA	219,073.15	12/1/2009
8151500	Monitor Aerosoli ALFA-BETA	219,073.15	12/1/2009
8152200	SISTEM SPECTROMETRIC	189,596.32	12/1/2009
8153200	MONITOR DE CONTAMINARE	275,496.61	12/1/2009
8153300	SISTEM DE MĂSURĂ DESEURI RAD.	631,179.48	12/1/2009
8153400	ECHIPAMENT ALIM. ELECTRICĂ	157,472.85	12/2/2009
8153500	ECHIPAMENT CLIMATIZARE	118,810.00	12/2/2009
8157700	Instalație de tratare deșeurii lichide rad.	299,649.00	12/2/2009
8160200	Echipament EDDY COVARIANCE	127,216.44	4/18/2010
8161800	Sistem de tăiere cu fir diamantat	224,495.00	4/14/2010
8162900	CEILOMETRU	124,536.38	4/2/2010
8163200	FOTOMULTIPLICATORI	138,989.90	5/2/2010
8163300	Sonde de măsură doze și debite	195,028.46	5/7/2010
8167100	Module de electronică nucleară	242,357.36	6/15/2010
8167200	SISTEM CALCUL de înaltă performanță	384,757.70	7/22/2010
8168900	Sistem de supresie Compton BGO	103,720.98	8/2/2010
8169000	Sistem de supresie Compton BGO	103,720.98	8/2/2010
8169300	Instalație spectrometrică completă	100,439.76	8/26/2010
8174400	SISTEM CENTRALIZAT DE STOCARE	236,761.76	10/19/2010
8177900	SPECTROMETRU DE MASĂ	1,048,967.57	10/12/2010
8179100	Aparat de imagistică MINICAM 2	319,023.15	10/29/2010
8186100	SISTEM SUPRAVEGHERE VIDEO	471,176.75	11/13/2010
8186400	SURSĂ ÎNALTĂ TENSIUNE	123,906.00	11/1/2010
8187200	DETECTOR HPGe ORTEC	102,030.57	11/9/2010
8187300	DETECTOR HPGe ORTEC	102,030.57	11/9/2010

Nr. inv.	Denumire	Valoare	Data PIF
8187400	DETECTOR HPGe ORTEC	102,030.57	11/9/2010
8187500	DETECTOR HPGe ORTEC	102,030.57	11/9/2010
8187600	DETECTOR HPGe ORTEC	102,030.57	11/9/2010
8187700	DETECTOR HPGe ORTEC	102,030.57	11/9/2010
8187800	DETECTOR HPGe ORTEC	102,030.57	11/9/2010
8188800	MONITOR RADON	119,763.55	12/1/2010
8189100	SPECTROMETRU DE MASĂ	706,893.00	12/4/2010
8189700	LANȚ SPECTROMETRIC GAMMA	479,433.60	12/10/2010
8190000	UNITATE DE STOCARE DATE	129,223.96	12/3/2010
8190100	ELECTROSTIVUITOR 2,5 tone	136,400.00	12/8/2010
8190200	DETECTORI DE RADIAȚII GAMMA	501,105.63	12/8/2010
8190300	DEPOZIT TEMPORAR MATERIALE	270,568.00	12/10/2010
8190400	DETECTOR HPGe Canberra	101,492.00	12/10/2010
8190500	DETECTOR HPGe Canberra	101,492.00	12/10/2010
8190600	MODULE CFD cu funcție SRT	179,800.00	12/9/2010
8191600	Unitate de ventilație cu filtru HEPA	188.970,80	12.12.2010
8191700	Unitate de ventilație cu filtru HEPA	188.970,80	12.12.2010
8191800	Unitate de ventilație cu filtru HEPA	188.970,80	12.12.2010
8191900	Unitate de ventilație cu filtru HEPA	298.607,60	12.12.2010

Anexa 5: Lista echipamentelor performante și facilitățile de cercetare specifice:**Altele:**

- sistem performant de calcul de tip grid pentru colaborarea WLCG/CERN (centrul grid RO-07-NIPNE)
- sistem performant de calcul de tip grid pentru colaborarea ATLAS/CERN (centru grid RO-02-NIPNE)
- sistem performant de calcul de tip grid pentru colaborarea ALICE/CERN (centru grid NIHAM)
- sistem performant de calcul de tip grid pentru colaborarea LHCb/CERN (centru grid RO-11-NIPNE)
- sistem performant de calcul de tip grid pentru colaborarea ILC (centru grid RO-15-NIPNE)
- sistem performant de calcul paralel pentru biocomputing
- sistem performant de calcul paralel pentru fizica sistemelor complexe
- sistem de calcul integrat de evidență financiar-contabilă și de personal EMSYS

Anexa 6: Lucrările ISI publicate în anul 2010

Nr. Crt.	Titlu Autori Revista	Factor impact	Citari
1.	A concept for the modernization of a SANS instrument at the IBR-2M pulsed reactor R.V. Erhan, S. Manoshin, G. Pepy, A.I. Kuklin, A.V. Belushkin, N.V. Zamfir Nucl. Instr. and Meth. A (2010), doi:10.1016/j.nima.2010.06.274	1,019	0
2.	A new model calculation of the peak efficiency for HPGe detectors used in assays of radioactive waste drums Doru Stanga, Daniela Gurau (Radu), Octavian Sima Applied Radiation and Isotopes, Volume 68, Issues 7-8, July-August 2010, Pages 1418-1422	1,114	0
3.	A phenomenological interpretation of 4+ and 6+ state multiplets in even-even A. A. Raduta, P. Buganu, D. Bucurescu, I Ursu Romanian Journal of Physics, Phys. Vol. 55, Nr. 9-10, 2010, 1050-1064.	0,279	0
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135.	Inelastic Production of J/psi Mesons in Photoproduction and Deep Inelastic Scattering at HERA <i>F. D. Aaron, C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration</i> Eur.Phys.J. C68:401 (2010)	1,943	0
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283.	<p>Testing SUSY at the LHC: Electroweak and Dark matter fine tuning at two-loop order. <i>S. Cassel, D.M. Ghilencea, G.G. Ross</i> Nucl.Phys.B835:110-134, 2010. e-Print: arXiv:1001.3884 [hep-ph] ISIknowledge *2</p> <p>*1. Title: <u>Beyond MFV in family symmetry theories of fermion masses</u> Author(s): Lalak Z, Pokorski S, Ross GGSource: JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 129 Published: AUG 2010, Times Cited: 0, *2. Title: <u>Multicomponent dark matter in supersymmetric hidden sector extensions</u>, Author(s): Feldman D, Liu ZW, Nath P, et al.Source: PHYSICAL REVIEW D Volume: 81 Issue: 9 Article Number: 095017 Published: MAY 1 2010 Times Cited: 4 Lista citari la http://www.slac.stanford.edu/spires/find/hep?c=NUPHA,B835,110</p> <p>*1) Beyond the MSSM Higgs with d=6 effective operators. I. Antoniadis, (CERN & Ecole Polytechnique, CPHT) , E. Dudas, (Ecole Polytechnique, CPHT & Orsay, LPT) , D.M. Ghilencea, (CERN & Ecole Polytechnique, CPHT) , P. Tziveloglou, (Ecole Polytechnique, CPHT) . CERN-PH-TH-2010-322, CPHT-RR-112.1210, Dec 2010. 36pp. e-Print: arXiv:1012.5310 [hep-ph] *2) New Aspects of Flavour Model Building in Supersymmetric Grand Unification. Martin Spinrath, (Munich U.) . MPP-2010-121, May 2010. 205pp. Ph.D.Thesis (Advisor: Stefan Antusch). e-Print: arXiv:1009.2511 [hep-ph] *3) Beyond MFV in family symmetry theories of fermion masses. Zygmunt Lalak, Stefan Pokorski, (Warsaw U.) , Graham G. Ross, (CERN & Oxford U., Theor. Phys.) . CERN-PH-TH-2010-131, OUP-10-14P, Jun 2010. 34pp. Published in JHEP 1008:129,2010. e-Print: arXiv:1006.2375 [hep-ph] *4) Non-linear MSSM. I. Antoniadis, (CERN & Ecole Polytechnique, CPHT) , E. Dudas, (Ecole Polytechnique, CPHT & Orsay, LPT) , D.M. Ghilencea, (CERN) , P. Tziveloglou, (CERN & Cornell U., Phys. Dept.) . CERN-PH-TH-2010-118, CPHT-RR037.0510, LPT-ORSAY-10-32, NSF-KITP-10-057, Jun 2010. 25pp. Published in Nucl.Phys.B841:157-177,2010. e-Print: arXiv:1006.1662 [hep-ph] *5) Multicomponent Dark Matter in Supersymmetric Hidden Sector Extensions. Daniel Feldman, (Michigan U., MCTP) , Zuowei Liu, (YITP, Stony Brook) , Pran Nath, Gregory Peim, (Northeastern U.) . MCTP-10-15, YITP-SB-10-08, NUB-3266, Apr 2010. (Published May 1, 2010). 32pp. Published in Phys.Rev.D81:095017,2010. e-Print: arXiv:1004.0649 [hep-ph] *6) The Electroweak Symmetry Breaking Riddle. Guido Altarelli, . RM3-TH-10-5, CERN-PH-TH-2010-066, Mar 2010. 17pp. Temporary entry Published in Fortsch.Phys.58:634-650,2010. e-Print: arXiv:1003.3180 [hep-ph] *7) Testing SUSY. S. Cassel, (Oxford U., Theor. Phys.) , D.M. Ghilencea, (CERN) , G.G. Ross, (Oxford U., Theor. Phys. & CERN) . OUP-0924P, CERN-PH-TH-2009-209, Nov 2009. 11pp. Published in Phys.Lett.B687:214-218,2010. e-Print: arXiv:0911.1134 [hep-ph]</p>	4,158	7
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628.	<p>Yrast structure of the neutron-rich N=31 isotones 51Ca and 52Sc 2008 <i>B.Fornal, R.V.F.Janssens, R.Broda, N.Marginean, S.Beghini, L.Corradi, M.P.Carpenter, G.De Angelis, F.Della Vedova, E.Farnea, E.Fioretto, A.Gadea, B.Guiot, M.Honma, W.Krolas, T.Lauritsen, S.Lunardi, P.F.Mantica, P.Mason, G.Montagnoli, D.R.Napoli, T.Otsuka, T.Pawlat, G.Pollarolo, F.Scarlassara, A.M.Stefanini, D.Seweryniak, S.Szilner, C.A.Ur, M.Trotta, J.J.Valiente-Dobon, J.Wrzesinski, S.Zhu</i> Physical Review C volume 77, 014304 (2008) *1. Title: Spectroscopic studies with the PRISMA-CLARA set-up Fioretto E, Bazzacco D, Beghini S, et al. Conference Information: 18th International School on Nuclear Physics, Neutron Physics and Applications, SEP 21-27, 2009 Varna, BULGARIASource: XVIII INTERNATIONAL SCHOOL ON NUCLEAR PHYSICS, NEUTRON PHYSICS AND APPLICATIONS Book Series: Journal of Physics Conference Series Volume: 205 Pages: - Published: 2010 *2. Title: beta decay and isomeric properties of neutron-rich Ca and Sc isotopes Crawford HL, Janssens RVF, Mantica PF, et al.Source: PHYSICAL REVIEW C Volume: 82 Issue: 1 Article Number: 014311 Published: JUL 21 2010 *3. Title: Exploring the evolution of shell structure by means of deep inelastic reactions de Angelis G Conference Information: 10th International Conference on Nucleus-Nucleus Collisions (NN2009), AUG 16-21, 2009 Beijing, PEOPLES R CHINASource: NUCLEAR PHYSICS A Volume: 834 Issue: 1-4 Pages: 9C-14C Published: MAR 1 2010</p>	3
629.	<p>Yrast superdeformed band in Cu-59 <i>Andreoiu, C; Rudolph, D; Svensson, CE, et al.</i> Source: PHYSICAL REVIEW C Volume: 62 Issue: 5 Article Number: 051301 Published: NOV 2000 Times Cited: 20 *1. Title: <i>Rotational bands in the semi-magic nucleus Ni-57(28)29</i> Rudolph D, Ragnarsson I, Reviol W, et al.Source: JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 37 Issue: 7 Article Number: 075105 Published: JUL 2010</p>	1
630.	<p>Zero-to-first sound transition for isovector modes in hot nuclei <i>Larionov AB, Cabibbo M, Baran V, et al.</i> Source: NUCLEAR PHYSICS A Volume: 648 Issue: 3-4 Pages: 157-180 Published: MAR 22 1999 *1. Title: Dynamic structure factor of the normal Fermi gas from the collisionless to the hydrodynamic regime Watabe S, Nikuni TSource: PHYSICAL REVIEW A Volume: 82 Issue: 3 Article Number: 033622 Published: SEP 29 2010 *2. Title: Breathing mode in an improved transport approach Gaitanos T, Larionov AB, Lenske H, et al.Source: PHYSICAL REVIEW C Volume: 81 Issue: 5 Article Number: 054316 Published: MAY 2010 *3. Title: Zero and First Sound in Normal Fermi Systems Watabe S, Osawa A, Nikuni TSource: JOURNAL OF LOW TEMPERATURE PHYSICS Volume: 158 Issue: 5-6 Pages: 773-805 Published: MAR 2010</p>	3
631.	<p>αs from τ decays: Contour-improved versus fixed-order summation in a new QCD perturbation expansion <i>Caprini, I., Fischer, J.</i> (2009) European Physical Journal C, 64 (1), pp. 35-45. *1. Title: Reconciling the analytic QCD with the ITP operator product expansion philosophy Cvetic G, Kogerler R, Valenzuela CSource: PHYSICAL REVIEW D Volume: 82 Issue: 11 Article Number: 114004 Published: DEC 6 2010 *2. Title: Modified contour-improved perturbation theory Cvetic G, Loewe M, Martinez C, et al.Source: PHYSICAL REVIEW D Volume: 82 Issue: 9 Article Number: 093007 Published: NOV 12 2010 *3. Title: NEW PERTURBATION EXPANSIONS IN QUANTUM CHROMODYNAMICS AND THE DETERMINATION OF α(s) Caprini I, Fischer JSource: ROMANIAN JOURNAL OF PHYSICS Volume: 55 Issue: 5-6 Pages: 527-537 Published: 2010 *4. Title: α(s) DETERMINATION FROM τ DECAYS: THEORETICAL STATUS Pich A Conference Information: Topical Workshop on Low Energy Constraints on Extensions of the Standard Model, JUL 23-27, 2009 Kazimierz, POLANDSource: FLAVIANET TOPICAL WORKSHOP: LOW ENERGY CONSTRAINTS ON EXTENSIONS OF THE STANDARD MODEL Book Series: Acta Physica Polonica B Proceedings Supplement Volume: 3 Issue: 1 Pages: 165-170 Published: 2009</p>	6

	<p>*5. Title: Violation of quark-hadron duality and spectral chiral moments in QCD Gonzalez-Alonso M, Pich A, Prades JSource: PHYSICAL REVIEW D Volume: 81 Issue: 7 Article Number: 074007 Published: APR 1 2010</p> <p>*6. Title: Stringent constraints on the scalar K pi form factor from analyticity, unitarity and low-energy theorems Abbas G, Ananthanarayan B, Caprini I, et al.Source: EUROPEAN PHYSICAL JOURNAL A Volume: 44 Issue: 2 Pages: 175-179 Published: MAY 2010</p>	
632.	<p>α-particle optical potential tests below the Coulomb barrier Avriganu, M., Avriganu, V. (2009) Physical Review C - Nuclear Physics, 79 (2), art. no. 027601</p> <p>*1. Title: alpha-particle nuclear surface absorption below the Coulomb barrier in heavy nuclei Avriganu M, Avriganu VSource: PHYSICAL REVIEW C Volume: 82 Issue: 1 Article Number: 014606 Published: JUL 7 2010</p> <p>*2. Title: Additional alpha-particle optical potential tests below the Coulomb barrier Avriganu M, Avriganu VSource: PHYSICAL REVIEW C Volume: 81 Issue: 3 Article Number: 038801 Published: MAR 2010</p> <p>*3. Title: Astrophysical Rates for Explosive Nucleosynthesis: Stellar and Laboratory Rates for Exotic Nuclei Rauscher T Conference Information: 10th International Conference on Nucleus-Nucleus Collisions (NN2009), AUG 16-21, 2009 Beijing, PEOPLES R CHINASource: NUCLEAR PHYSICS A Volume: 834 Issue: 1-4 Pages: 635C-638C Published: MAR 1 2010</p>	3
633.	<p>β-Delayed and isomer spectroscopy of neutron-rich Ta and W isotopes Alkhomashi, N., Regan, P.H., Podolyák, Z., Pietri, S.B., Gamsworthy, A.B., Steer, S.J., Benlliure, J., Caserejos, E., Górska, M., Gerl, J., Wollersheim, H.J., Grebosz, J., Kurz, N., Kojouharov, I., Schaffner, H., Algora, A., Benzoni, G., Blazhev, A., Boutachkov, P., Bruce, A.M., Cáceres, L., Doornenbal, P., Bacelar, A.M.D., Cullen, I.J., Estevez, M.E., Farrelly, G., Fujita, Y., Gelletly, W., Hoischen, R., Kumar, R., Lalkovski, S., Liu, Z., Mihai, C., Molina, F., Múcher, D., Rubio, B., Tamii, A., Tashenov, S., Valiente-Dobón, J.J., Walker, P.M., Woods, P.J. (2009) Acta Physica Polonica B, 40 (3), pp. 875-878</p> <p>*2. Title: Structure of neutron-rich nuclei around the N=126 closed shell: the yrast structure of Au-205(126) up to spin-parity I-pi = (19/2(+)) Podolyak Z, Steer SJ, Pietri S, et al. Conference Information: 5th International Conference on Exotic Nuclei and Atomic Masses (ENAM'08), SEP 07-13, 2008 Ryn, POLANDSource: EUROPEAN PHYSICAL JOURNAL A Volume: 42 Issue: 3 Pages: 489-493 Published: DEC 2009</p>	1
634.	<p>β-delayed spectroscopy of neutron-rich tantalum nuclei: Shape evolution in neutron-rich tungsten isotopes N. Alkhomashi, P. H. Regan, Zs. Podolyák, S. Pietri, A. B. Gamsworthy, S. J. Steer, J. Benlliure, E. Caserejos, R. F. Casten, J. Gerl, H. J. Wollersheim, J. Grebosz, G. Farrelly, M. Górska, I. Kojouharov, H. Schaffner, A. Algora, G. Benzoni, A. Blazhev, P. Boutachkov, A. M. Bruce, A. M. Denis Bacelar, I. J. Cullen, L. Cáceres, P. Doornenbal, M. E. Estevez, Y. Fujita, W. Gelletly, R. Hoischen, R. Kumar, N. Kurz, S. Lalkovski, Z. Liu, C. Mihai, F. Molina, A. I. Morales, D. Múcher, W. Prokopowicz, B. Rubio, Y. Shi, A. Tamii, S. Tashenov, J. J. Valiente-Dobón, P. M. Walker, P. J. Woods, and F. R. Xu Phys. Rev. C 80, 064308</p> <p>*1. Title: Structure of neutron-rich tungsten nuclei and evidence for a 10(-) isomer in W-190 Lane GJ, Dracoulis GD, Kondev FG, et al.Source: PHYSICAL REVIEW C Volume: 82 Issue: 5 Article Number: 051304 Published: NOV 29 2010</p> <p>*2. Title: gamma-soft shapes and quasiparticle excitations in Ta-161(73)88 Lagergren K, Joss DT, Paul ES, et al.Source: PHYSICAL REVIEW C Volume: 83 Issue: 1 Article Number: 014313 Published: JAN 26 2011</p> <p>*3. Title: Discovery of Highly Excited Long-Lived Isomers in Neutron-Rich Hafnium and Tantalum Isotopes through Direct Mass Measurements Reed MW, Cullen IJ, Walker PM, et al.Source: PHYSICAL REVIEW LETTERS Volume: 105 Issue: 17 Article Number: 172501 Published: OCT 18 2010</p>	3
635.	<p>β-Delayed γ-ray spectroscopy of heavy neutron rich nuclei "south" of lead Morales, A.I., Benlliure, J., Regan, P.H., Podolyák, Z., Górska, M., Alkhomashi, N., Pietri, S., Kumar, R., Casarejos, E., Agramunt, J., Algora, A., Álvarez-Pol, H., Benzoni, G., Blazhev, A., Boutachkov, P., Bruce, A.M., Cáceres, L.S., Cullen, I.J., Bacelar, A.M.D., Doornenbal, P., Dragosavac, D., Estévez, M.E., Farrelly, G., Fujita, Y., Gamsworthy, A.B., Gelletly, W., Gerl, J., Grebosz, J., Hoischen, R., Kojouharov, I., Kurz, N., Lalkovski, S., Liu, Z., Pérez-Loureiro, D., Prokopowicz, W., Mihai, C., Molina, F., Múcher, D., Rubio, B., Schaffner, H., Steer, S.J., Tamii, A., Tashenov, S., Dobón, J.J.V., Verma, S., Walker, P.M., Wollersheim, H.J., Woods, P.J. (2009) Acta Physica Polonica B, 40 (3), pp. 867-870</p> <p>*1. Title: Nuclear Data Sheets for A=204 Chiara CJ, Kondev FGSource: NUCLEAR DATA SHEETS Volume: 111 Issue: 1 Pages: 141-+ Published: JAN 2010</p>	1

Anexa 7: Brevete de inventie (solicitate/acordate)**Brevete de inventie solicitate: 8**

1.	Cerere de Brevet de Inventie OSIM, Nr. A/00069/27 01 2010; Aplicatii in masurari spectrometrice. Titular: IFIN-HH "Metoda de micsorare a fondului propriu al unui sistem spectrometric"	<i>M. R. Calin</i>
2.	Procedeu de obținere a nanoimunosorbentului bioxid de siliciu-aminopropiltriectoxisilan-glutaralhid anticorp anti acid 3,6-dicloro-2-metoxibenzoic utilizat în tehnica ELISA de dozare a pesticidului acid 3,6-dicloro-2-metoxibenzoic, Cerere brevet de inventie national nr. OSIM A/00975/14.10.2010	<i>Dorobanțu Ioan, Neagu Livia</i>
3.	Procedeu de obținere a nanoimunosorbentului bioxid de siliciu-aminopropiltriectoxisilan-glutaralhid-albumina serica de bovina-acid 3,6-dicloro-2-metoxibenzoic utilizat în tehnica ELISA de dozare a pesticidului acid 3,6-dicloro-2-metoxibenzoic, Cerere brevet de inventie national nr. OSIM A / 01271 / 02.12.2010	<i>Dorobanțu Ioan, Neagu Livia</i>
4.	<i>Cerere de Brevet de Inventie OSIM, nr. A/00219/08 03 2010; Aplicatii in masurari spectrometrice. Titular: IFIN-HH „Procedeu de realizare a detectoarelor de radiatii cavitate”</i>	<i>M R Calin</i>
5.	Stand portabil modular și protocoale de calibrare monitoare de tritium gaz. Cerere de brevet de inventie Nr de inregistrare OSIM A 01124/17.11.2010. (PNCDI 71-130/2007)	<i>C Postolache</i>
6.	Metoda de determinare a concentratiei radioactive a apei tritiate prin spectrometrie EPR, Cerere de brevet de inventie Nr de inregistrare OSIM A 01125/17.11.2010. (PNCDI 71-130/2007)	<i>C Postolache, Rodica Georgescu</i>
7.	Cerere de Brevet: „Colet pentru stocarea deseurilor radioactive alfa active”, nr. A/01296/2010	<i>Gh. Dogaru, F. Dragolici, L. Ionascu, Gh. Rotarescu, C. Turcanu</i>
8.	Determinarea tritiului ca apă tritiată prin deumidificarea aerului atmosferic Cerere de brevet de metodă: A/01087 // 2010 Tip: brevet de metodă OSIM	<i>Corina Anca Simion, Niculina Păunescu</i>

Brevete de inventie acordate: 2

1. Procedeu de obtinere a imunosorbentului Trenbolon-3-Carboximetiloxim-Ovalbumin-Carboximetil-Celuloza (Tren-3-CMO-OVA-CM-celuloza), Brevet national OSIM nr. 123130/30.11.2010 (tehnologia realizata in 2007 și brevetata in 2010)	Dorobanțu Ioan, Haranguș Livia
2. Procedeu de obtinere a markerului enzimatic acid 3,6-dicloro-2-metoxibenzoil-hexametilendiamin-glutaraldehyd-fosfataza alcalina”, Cerere brevet national OSIM A/00942 / 27.11.2008, Hotarare de acordare brevet nr. 3/148 din 30.12.2010, (tehnologia realizata in 2008 și brevetata in 2010)	Dorobanțu Ioan, Haranguș Livia

Anexa 8: Produse/ servicii/ tehnologii rezultate din activitati de cercetare, bazate pe brevete, omologari sau inovatii proprii

1.	Nanoimunosorbent bioxid de siliciu-aminopropiltriethoxisilan-glutaraldehyd anticorp anti acid 3,6-dicloro-2-metoxibenzoic utilizat în tehnica ELISA de dozare a pesticidului acid 3,6-dicloro-2-metoxibenzoic	Dorobanțu Ioan, Neagu Livia
2.	Nanoimunosorbent bioxid de siliciu-aminopropiltriethoxisilan-glutaraldehyd-albumina serica de bovina-acid 3,6-dicloro-2-metoxibenzoic utilizat în tehnica ELISA de dozare a pesticidului acid 3,6-dicloro-2-metoxibenzoic	Dorobanțu Ioan, Neagu Livia
3.	<i>Detector tip camera de ionizare pentru măsurarea radonului atmosferic în regim diferential, Cerere de Brevet de Inventie OSIM, nr. Nr. a 2008 00375/22 05 2008, http://www.osim.ro/publicatii/brevete/bopi_2010/bopi110.pdf; Titular: IFIN-HH</i>	M R Calin
4.	Detector cu placi rezistive (RPC), Contr.nr.6, Proiect NUC-INT între IFIN-HH și JINR-Dubna, Rusia, 2008.12.10;	I. Cruceru, Madalina Cruceru
5.	Detector sensibil la pozitie pe baza de scintilatori plastici și fotodiode PIN, Contr.nr. 06-11-17 între IFIN-HH și JINR- Dubna, 2010	I. Cruceru, Madalina Cruceru
6.	Sonda scintilatie pentru BLM detector, pt. Proiect FP7 SPIRAL2 pp, GANIL, Franta și IFIN-HH, Romania	I.Cruceru, Madalina Cruceru, Ciolacu Liviu
7.	Detector E, ΔE pentru detectia electronilor relativisti la NUCLOTRON, proiect DUBNA-IFIN, 2010	I.Cruceru, Madalina Cruceru, Ciolacu Liviu
8.	Tehnologie de marcare cu ^{99m} Tc și formularea farmaceutica a kitului : Anticorp monoclonal anti-E-Selecin -nanoparticule de albumina serica umana, pentru marcare cu ^{99m} Tc a complexului : anticorp monoclonal anti-E-Selectin-nanoparticule de albumina serica umana	Virginia Borza, Elena Neacsu, Catalin Tuta, Catalina Barna
9.	Formularea farmaceutica a Kitului : IgG-nanoparticule de albumina serica umana pentru marcare cu ^{99m} Tc	Virginia Borza, Catalin Tuta
10.	Tehnologie de fabricație a gel generatorului de ⁹⁹ Mo/ ^{99m} Tc (model experimental/functional) (in cadrul proiectului 71-124/2007)	C. Cîmpeanu, C. Barna
11.	Scintilatori plastici subtiri pe baza de polistiren dopat cu POPOP și PPO utilizati in determinari de activitati distribuite superficial (PNCDI 71-130/2007)	C Postolache
12.	Celula de detectie gaze contaminate cu tritiu (Celula de curgere cu structura solenoid). (PNCDI 71-130/2007)	C Postolache
13.	Metoda de determinare a distributiei radionuclidice a compusilor marcati cu tritiu prin spectrometrie EPR (PNCDI 71-130/2007)	C Postolache, Rodica Georgescu
14.	N Phenylsuccinimida-T ₂ utilizat in realizarea surselor test de suprafata (PNCDI 71-130/2007)	C Postolache
15.	1,4 Diphenylbutane-T ₈ și 1,4 Diphenyl-2-buthene-T ₆ utilizati in realizarea de surse test de suprafata (PNCDI 71-130/2007)	C Postolache
16.	Stand modular de sinteza compusi marcati cu tritiu (PNCDI 61-18/2007)	C Postolache
17.	Analog nucleozidic 1-(5-Cloro-7-hidroxiometil-biciclo[2.2.1]hept-2-il)-5-fluoro-1H-pirimidine-2,4-dione (27entUF) marcat cu tritiu prin tehnica High temperature Solide-phase Catalytic Isotopers Exchange	C Postolache, Lidia Matei, Gh. Bubueanu, C Tuta
18.	Tehnologie de marcare cu ^{99m} Tc „click chemistry”	D Niculae, I Patrascu, V Lungu, M Iliescu
19.	Tehnologie de marcare cu ^{99m} Tc, formulare farmaceutica și testare preclinica a unui nou tip de radiofarmaceutic pentru detectia nodulului santinela, bazat pe captare biologica selectiva: ^{99m} Tc-dex-cys-manoza	D Niculae, I Patrascu, C Tuta
20.	Metode de preconcentrare și purificare a eluatului de ⁶⁸ Ga provenit din generatorul de ⁶⁸ Ge/ ⁶⁸ Ga	D Niculae, I Patrascu, C Tuta, I Ursu
21.	Sursa inchisa de ¹⁹² Ir tip SR-Ir pentru radiografie (gamagrafie) industriala PV OMOLOGARE nr 2256/14.10.2010	Viorel Fugaru, Simona-Eugenia Manea, Catalina Cîmpeanu, Catalina Barna

22.	Theoretical Modeling of Deuteron Elastic Scattering and Induced Activation on Light and Medium Nuclei for IFMIF EVEDA (2010), contributie la baza de date FENDL-3 a NDS/IAEA, http://www-nds.iaea.org/fendl3/index.html	<i>M. Avrigeanu</i>
23.	Prototip detector TRD bazat pe o singura camera multifilara cu electrod de citire a semnalelor din PCB și spatiu de multiplicare de 4 mm + spatiu de drift de 4 mm, pentru informatii de pozitie in doua dimensiuni	<i>V. Simion, D. Bartos, G.Caragheorgheopol, M.Petris, M. Petrovici, V. Aprodu, L. Prodan, A. Radu</i> Experiment CBM - FAIR
24.	Prototip detector TRD bazat pe doua camere multifilare cu electrod comun de citire a semnalelor din folie de kapton aluminizat de 20 um și spatiu de multiplicare de 4 mm pentru informatii de pozitie in doua dimensiuni	<i>V. Simion, D. Bartos, G.Caragheorgheopol, M.Petris, M. Petrovici, V. Aprodu, L. Prodan, A. Radu</i> Experiment CBM - FAIR
25.	Prototip detector TRD bazat pe doua camere multifilare cu electrod comun de citire a semnalelor din folie de kapton aluminizat de 20 um și spatiu de multiplicare de 3 mm pentru informatii de pozitie in doua dimensiuni	<i>V. Simion, D. Bartos, G.Caragheorgheopol, M.Petris, M. Petrovici, V. Aprodu, L. Prodan, A. Radu</i> Experiment CBM - FAIR
26.	Prototip RPC cu granularitate ridicata, cu electrozi din sticla cu rezistivitate redusa cu structura simetrica de 2 x 5 spatii de gaz de 140 um fiecare și citire diferentiaa a semnalelor, cu aplicare simetrica a tensiunii inalte de ambele polaritati pe electrod cu structura de stripuri	<i>V. Simion, D. Bartos, G.Caragheorgheopol, M.Petris, M. Petrovici, V. Aprodu, L. Prodan, A. Radu</i> Experiment CBM - FAIR
27.	Prototip RPC cu granularitate ridicata, cu electrozi din sticla de grosime redusa (500 um) cu structura simetrica de 2 x 7 spatii de gaz de 140 um fiecare și citire diferentiaa a semnalelor, cu aplicare simetrica a tensiunii inalte de ambele polaritati pe electrod cu structura de stripuri	<i>V. Simion, D. Bartos, G.Caragheorgheopol, M.Petris, M. Petrovici, V. Aprodu, L. Prodan, A. Radu</i> Experiment CBM - FAIR
28.	Prototip RPC cu granularitate ridicata, cu electrozi din sticla de grosime redusa (500 um) cu structura simetrica de 2 x 7 spatii de gaz de 140 um fiecare și citire diferentiaa a semnalelor, cu aplicare simetrica a tensiunii inalte de ambele polaritati pe electrod cu structura de stripuri in contact cu o depunere de strat rezistiv	<i>V. Simion, D. Bartos, G.Caragheorgheopol, M.Petris, M. Petrovici, V. Aprodu, L. Prodan, A. Radu</i> Experiment CBM - FAIR
29.	Brevet Nr. RO125481, OSIM A-00635, Resistive plate chamber detector for time of flight measurements comprises central electrode reading tracks made of copper and high resistive glass electrodes	<i>Petrovici Mihai; Bartos Daniel; Caragheorgheopol Gh.; Petris Mariana; Simion Victor, Viorel Duta</i>
30.	Brevet OSIM A-00570, Detector de radiatie de tranzitie de inalta eficienta, rata de numarare și rezolutie de pozitie in doua axe de coordonate	<i>Petrovici Mihai; Bartos Daniel; Caragheorgheopol Gh.; Petris Mariana; Simion Victor</i>
31.	ADAPTER cu intrare diferentiaa și iesire single-ended pentru 16 canale	<i>Gh.Caragheorgheopol, V.Catanescu, D.Bartos, Vi.Vasiliu</i> Experiment CBM - FAIR
32.	HCR-TRD ASIC motherboard cu iesire diferentiaa	<i>Gh.Caragheorgheopol, V.Catanescu, D.Bartos, Vi.Vasiliu</i> Experiment CBM - FAIR
33.	ADAPTER PWR, sursa de alimentare in standard VME	<i>Gh.Caragheorgheopol, D.Bartos, Vi.Vasiliu</i> Experiment CBM - FAIR
34.	Cerere de Brevet: „Colet pentru stocarea deseurilor radioactive alfa active”, nr. A/01296/2010	<i>Gh. Dogaru, F. Dragolici, L. Ionascu, Gh. Rotarescu, C. Turcanu</i>
35.	Colet stocare surse radioactive alfa uzate tip CSM-SS-ALFA ST 2/2010 , ASR CV 01/2010	<i>Gh. Dogaru, F. Dragolici, L. Ionascu, Gh. Rotarescu, C. Turcanu</i>

Anexa 9: Lucrările non-ISI publicate în anul 2010

Nr. Crt.	Titlu Autori Revista
1.	"Supranormal" Cardiac Function in Athletes Related to Better Arterial and Endothelial Function Maria Florescu, Claudiu Stoicescu, Stefania Magda, Ileana Petcu, Mihai Radu, Carlo Palombo, Mircea Cinteza, Radu Lichiardopol, Dragos Vinereanu Echocardiography, Published Online: Apr 16 2010 2:21AM, DOI: 10.1111/j.1540-8175.2009.01121.x
2.	$^{65}\text{Cu}(d,p)^{66}\text{Cu}$ excitation function at deuteron energies up to 20 MeV E. Šimečková, P. Bém, M. Götz, M. Honusek, J. Mrázek, J. Novák, M. Štefánek, L. Závorka, M. Avrigeanu and V. Avrigeanu EPJ Web of Conferences 8 (2010) 07002
3.	A non-destructive method for measurement of moisture in building materials I. Bucurescu, D. Bucurescu Journal of Science and Arts 1(12)(2010)107-112
4.	A two – dimensional position sensitive high efficiency Transition Radiation Detector for a high counting rate environment D. Bartos, C. Bergmann, G. Caragheorghieopol, A. Herghelegiu, M. Klein-Boesing, M. Petris, M. Petrovici, V. Simion, J.P. Wessels CBM Progress Report 2009, (2010), p. 31, GSI Darmstadt, Germany, ISBN 978-3-9811298-7-8
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111.	Urban vulnerabilities: think simple Vamanu D.V., Gheorghe A.V. and Acasandrei V.T. International Journal Critical Infrastructures, Vol. 6, No. 3, pp. 304-325, 2010
112.	Visible spectrum single photon detection module Alexandru Rusu, Lucian Rusu, Anca Beldiceanu, Constantin Tirca, Dan Ursu Journal of Science and Arts 1(12) (2010) 143-152

Anexa 10: Comunicari științifice la conferințe internaționale în anul 2010

Nr.	Titlu
Crt.	Autor Conferința
1.	113Sn: determination of X- and gamma-ray emission intensities and considerations on the nuclear decay scheme <i>A. Luca</i> Seminar științific în cadrul CEA/LNE-LNHB, Saclay, Franța, 8.11.2010, orele 10:30-11:30
2.	188Re-anti-VEGF as a Potential Angiogenesis Inhibitor <i>Dana Niculae, Valeria Lungu, Rodica Anghel, Iuliana Gruia, Diana Savu, Marieta Panait, Valentina Negoita, Ioana Patrascu</i> Conferința Societății Române de Radioterapie și Zilele Medicale ale Institutului Oncologic "Prof. Dr. Alexandru Trestioreanu", București, România, Noiembrie 18-20, 2010
3.	188Re-Radiolabelled Antibodies For Targeted Radiotherapy <i>Dana Niculae, Valeria Lungu, Ioana Patrascu, Lorelei Brasoveanu, Diana Savu, Marina Iliescu, Ioan Ursu</i> Physics for Health in Europe Workshop, Towards a European roadmap for using physics tools in the development of diagnostics technologies and new cancer therapies, CERN, Switzerland, February 2-4, 2010
4.	234U/238U disequilibrium studies in soil and vegetation samples from tailing dumps <i>Mihaela Bragea, Laura Aldave de las Heras, Ramon Carlos Marquez, Carmen Cristache</i> 40èmes Journées des Actinides & 2nd Workshop on Actinide Targets, 27 March - 01 April 2010, CERN, Geneva
5.	65Cu(d,p)66Cu excitation function at deuteron energies up to 20 MeV <i>E. Šimečková, P. Bém, M. Götz, M. Honusek, J. Mrázek, J. Novák, M. Štefánek, L. Závorka, M. Avrigeanu and V. Avrigeanu</i> EFNUDAT – Measurements and Models of Nuclear Reactions Paris, France, 25–27 May, 2010, EPJ Web of Conferences 8 (2010) 07002
6.	A Family of Exponential Fitting Direct Quadrature Methods for Volterra Integral Equations <i>A. Cardone, M. Ferro, L. Gr. Ixaru and B. Paternoster</i> ICNAAM 2010: International Conference of Numerical Analysis and Applied Mathematics, Rhodes, Greece, September 19-25, 2010, published in AIP Conference Proceedings, Eds: T.E. Simos, G. Psihoyios, Ch. Tsitouras, Volume 1281, 2204-2207, ISBN: 978-0-7354-0834-0, 2010
7.	A mobile detector for measurements of the atmospheric muon flux <i>B. Mitrica, I.M. Brancus, R. Margineanu, M. Petcu, M. Dima, O. Sima, A. Haungs, H. Rebel, M. Petre, G. Toma, A. Saftoiu and A. Apostu</i> 22nd ECRS - European Cosmic Ray Symposium at the University of Turku, Finland, 3-6 August 2010
8.	A Rutherford Backscattering Study of Spin Valves Structures Prepare by Thirne Ionic Vacuum Arc <i>D. Dudu, O. Muresan, I. Vata, V. Kuncser, M. Valeanu, P. Palade, I. Jepu, I. Mustata, C. Lungu</i> Nanomagnetisme et Spintronique (Grenoble, 24-25 nov. 2010)
9.	A study on gold and copper provenance for Romanian prehistoric objects using micro-SR-XRF <i>Bogdan Constantinescu, A. Vasilescu, Martin Radtke and Uwe Reinholz</i> Synchrotron Radiation in Art and Archaeometry SR2A-2010 Amsterdam, Nov 7-10, 2010
10.	A versatile automated apparatus to optimize the synthesis of PET radiotracers <i>Liviu Craciun, Olimpiu Constantinescu, Cristina Ionescu, Petru Mihai Racolta, Emil Barna</i> PHYSICS FOR HEALTH IN EUROPE workshop, CERN, Geneva, 2-4 February 2010
11.	Advances in Complex Gamma Ray Spectra Analysis <i>R. Suvaila, O. Sima</i> International Nuclear Physics Conference (INPC 2010), University of British Columbia, Vancouver, Canada, July 4 -9, 2010.
12.	Age Evaluation using Gamma Ray Spectra Analysis <i>Rares Suvaila, Octavian Sima, Marian Virgolici</i> Nuclear Analytical Methods and Applications, Faculty of Physics, University of Bucharest, Bucharest, November 3-4, 2010.
13.	Alpha-decay half-lives of superheavy nuclei <i>A. I. Budaca, I. Silisteanu, A. O. Silisteanu, and C. I. Anghel</i> Carpathian Summer School of Physics (CSSP 10), June 20 – July 3, Iasi, Romania, "Exotic Nuclei and Nuclear/Particle Astrophysics (III): From nuclei to stars" 1304 (2010) 344
14.	Alpha-particles optical potential for medium and heavy-mass nuclei around the Coulomb barrier <i>V. Avrigeanu and M. Avrigeanu</i> Second Int. Workshop on Compound Nuclear Reactions and Related Topics (CNR*09), 5-8 October 2009, Bordeaux, EPJ Web of Conferences 2 (2010) 02003

15.	An extrapolation ionization chamber for alpha-rays detection and measurement S.Bercea, C.Cenusa, A.Celarel, M.Sahagia, A.Stochioiu, I.Tudor, C.Ivan Third European IRPA Congress, Helsinki, Finland, 14-18 June 2010. Proc.ISBN 978-952-478-549 (print); -550 (pdf). Edita Prima OY, Helsinki, 2010
16.	Analysis of deuteron breakup and induced activation on medium nuclei <i>M. Avrigeanu and V. Avrigeanu</i> Proc. Int. Conf. on Nuclear Data for Science and Technology, April 26-30, 2010, Jeju, Korea (ND2010); J. Kor. Nucl. Soc. (in press)
17.	Analysis of the radio detection of inclined showers with LOPES <i>W.D. Apel, J.C. Arteaga, T. Asch, L. Bähren, K. Bekk, M. Bertaina, P.L. Biermann, J. Blümer, b, H. Bozdog, I.M. Brancus, P. Buchholz, S. Buitink, E. Cantoni, i, A. Chiavassa, K. Daumiller, V. de Souza, 2, P. Doll, R. Engel, H. Falcke, M. Finger, D. Fuhrmann, H. Gemmeke, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, A. Horneffer, D. Huber, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, O. Krömer, J. Kuijpers, S. Lafebre, K. Link, P. Luczak, M. Ludwi, H.J. Mathes, M. Melissas, C. Morello, S. Nehls, J. Oehlschläger, N. Palmieri, T. Pierog, J. Rautenberg, H. Rebel, M. Roth, C. Rühle, A. Saftoiu, H. Schieler, A. Schmidt, F.G. Schröder, O. Sima, G. Toma, G.C. Trinchero, A. Weindl, J. Wochele, M. Wommer, J. Zabierowski and J.A. Zensus</i> Acoustic and Radio EeV Neutrino detection Activities (ARENA) Nantes, France, 29 June - 02 July 2010
18.	Analytical techniques in the NIPNE Applied Nuclear Physics Department: developments, current and future applications Angela Vasilescu JINR-UB Workshop on NUCLEAR ANALYTICAL METHODS AND APPLICATIONS (NAMA2010), November 3-4, 2010, Bucharest State University, Romania, to be published in Analele Universitatii din Bucuresti-seria fizica
19.	Aplicarea metodelor analizei multivariate la interpretarea datelor cromatografice și spectrale in arheometrie. Studii de caz pe obiecte arheologice de chihlimbar din colectii romanesti Marian Virgolici SESIUNEA DE COMUNICĂRI A TINERILOR CERCETĂTORI DIN IFIN-HH 2010, Magurele, 20 Decembrie, 2010
20.	Archaeological gold provenance studies based on SR-XRF and micro-PIXE analyses <i>Bogdan Constantinescu, Roxana Bugoi, Angela Vasilescu, Martin Radtke, Thomas Calligaro, Joseph Salomon, Laurent Pichon, Stefan Röhrs, Daniele Ceccato, Dana Pop</i> Acta mineralogica-petrographica abstract series vol6 (2010)107 :20th general meeting of the international mineralogical association (IMA2010), 21-27August 2010, Budapest, Hungary
21.	Assessing the hydrological impact in nuclear emergencies <i>Slavnicu D., Vamanu D., GheorghiuD., Acasandrei V. and Slavnicu E.</i> Proceedings of the Third European IRPA Congress, 14-18 June, 2010 Helsinki, Finland, Published online, ISBN: 978-952-478-549-5 (print), ISBN: 978-952-478-550-1 (pdf)
22.	Assessment of deuteron-induced reaction mechanisms at low and medium energies <i>M. Avrigeanu and V. Avrigeanu</i> Second Int. Workshop on Compound Nuclear Reactions and Related Topics (CNR*09), 5-8 October 2009, Bordeaux, EPJ Web of Conferences 2 (2010) 01004
23.	Astrophysical Implications of Fusion Reactions at Extremely Low Energies involving 12C and 16O <i>Serban Misicu and Florin Carstoiu</i> AIP Conference Proceedings Volume 1304 , eds. L. Trache et al. , p.395 (2010)
24.	Atomic Force Microscopy as a Potential Tool for Gamma-Irradiated UHMWPE Nano-wear Characterization <i>L.S.Craciun, C.Ionescu, R.Georgescu, P.M.Racolta, M.Straticiu, I.Burducea, E.S.Barna</i> Proceeding of the 4th International Conference "Biomaterials, Tissue Engineering & Medical Devices" BiomMedD'2010, pp 178, Sinaia, 23-25 sept. 2010
25.	Azimuthal isotropic expansion in "highly central" collisions <i>C. Andrei, A. Herghelegiu</i> Berkeley School on Collective Dynamics in High Energy Collisions, June 7-11, http://tbs2010.lbl.gov/Documents/TBS%20Talks/CAndrei_Berkeley_2010.pdf 2010,
26.	B0s -> K*0 mu mu as a lab for discovering new physics at LHCb <i>LHCb Collab. //... M. Dima</i> Lake Louise Winter Institute 2010, Lake Louise, Canada, 14 - 20 Feb 2010
27.	Bestimmung von Energiespektren einzelner Elementgruppen mit dem KASCADE-Grande Experiment <i>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I, F. Di Pierro, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kickelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M.</i>

	<i>Stümpert, G. Toma, G.C. Trinchero, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</i> Frühjahrstagung DPG, Fachverband Teilchenphysik, Bonn, 15.-19.März 2010
28.	Beyond mean field approach to the beta decay of medium mass nuclei relevant for nuclear astrophysics <i>A. Petrovici</i> International School of Nuclear Physics: Particle and Nuclear Astrophysics (Erice 2010), Erice, Italy, September 16-24, 2010
29.	Binary and ternary fission model <i>R. A. Gherghescu and N. Carjan</i> International Worksho on Nuclear Fission, Sinaia, September 2010, Romania
30.	Biogenic ferrihydrite nanoparticles structure investigations <i>M. Balasoiu, G.M. Arzumaniyan, S.V. Stolyar, R.S. Iskhakov, L.A. Ishchenko, Yu.L. Raikher, D. V. Soloviov, T. S. Kurkin, A.V. Rogachev, O.I. Ivankov, A. Meiszterics, L. Almasy, A.I. Kuklin</i> Conference DUBNA- NANO2010, 5 -10 July, 2010 Dubna, Russia
31.	Biological evaluation of materials and medical devices – in vitro and in vivo tests <i>M. Radu, D. Savu, I. Petcu, A. Acasandrei, C. Mustaciosu</i> 4th International Conference 'Biomaterials, Tissue Engineering & Medical Devices' BiomMedD'2010, 23-25 september, 2010, Sinaia, Romania
32.	BIOMONITORING OF AIR QUALITY USING PLANTS <i>Coskun M., M.V. Frontasyeva M.V., Gorelova S.V., Pantelica A., Saitanis K., Tomasevic M., and Yurukova, L</i> International Conference on Environmental Pollution and Clean Bio/Phytoremediation, 16-19 June, 2010, Pisa, Italy
33.	BNCT and Targeted Radiotherapy (TRT) Development in Romania <i>Ioana Patrascu, Iuliana Gruia, Rodica Anghel, Valeria Lungu, Florin Constantin, Viorel Fugaru, Dana Niculae, Ioan I. Ursu, Tiberiu Esanu</i> BgNS Conference Nuclear Power for the People, Veliko Turnovo, Bulgaria, November 11-14, 2009; Science and Technology Journal, Vol. 14, No. 1, June 2010. ISSN 1310-8727
34.	Briefing of Russian works <i>D Galeriu</i> Fourth Meeting of the EMRAS II Working Group 7 "Tritium Accidents", Aix-en-Provence, France, 6 – 9 September 2010
35.	Bright-dark soliton interaction in a multi-mode optical fiber and the completely integrable Yajima-Oikawa system <i>Anca Visinescu, D. Grecu</i> Physics Conference TIM-10, Timisoara 25-27 Nov. 2010
36.	Capsaicin decreases blood glucose, insulin and TRPV1 expression in sensory peripheral neurons in double transgenic diabetes mice <i>Radu B.M., Iancu A.D., Radu D.L., Radu M</i> 1st International Diabetes and Obesity Forum, 21-23 October, Athens, Greece
37.	Capsaicin is a key molecule in neuropathic pain induced by diabetes <i>Radu B.M., Iancu A.D., Rotaru D., Radu D.L., Stavaru C., Mustaciosu C., Radu M.</i> 35th FEBS Congress, Goteborg, Sweden
38.	Carbon nanowalls analysis using PIXE and XRF techniques <i>I. Burducea, F. Constantin, L. S. Craciun, C. Ionescu, P. M. Racolta, S. D. Stoica, M. Straticiu</i> Conferinta Nationala de Fizica, Iasi, 23-25 Septembrie, 2010
39.	CDBS and AFM Study in Polyurethane Nanofibers - Silver Nanoparticles Matrix <i>M. Straticiu, C. M. Barna, I. Burducea, F. Constantin, L. S. Craciun, C. Ionescu, D. C. Negut, P. M. Racolta, V. Tura</i> CAARI 2010 21st International Conference on the Application of Accelerators in Research and Industry, Fort Worth, Dallas, USA, August, 8-13, 2010
40.	Characterization of metallurgical slags using low-level gamma-ray spectrometry and neutron activation analysis <i>Antoaneta Ene and Ana Pantelică</i> 11th International Balkan Workshop On Applied Physics, July 7-9, 2010, Constanta, Romania
41.	Characterization of wood artefacts by infrared spectroscopy <i>Ioana Stanculescu, Mihaela M. Manea, Marian Virgolici, Mihalis Cutrubinis, Valentin I. Moise, Corneliu C. Ponta, Paula Bugheanu</i> The National Symposium of Archaeometry, National History Museum of Romania (MNIR), Bucharest, Romania, october 28 - 29, 2010
42.	Cherenkov-light detectors for LHCb : an application for hybrid photodetectors <i>LHCb Collab. //... M. Dima</i> 14th International Conference On Calorimetry In High Energy Physics, Beijing, China, 10 - 14 May 2010
43.	Cohomology Methods in Causal Perturbation Theory

	<i>D. R. Grigore</i> 7th International Conference of the Balkan Physical Society, AIP Conference Proceedings vol. 1203, (A. Angelopoulos, T. Fildisis, eds.) pg. 1183- 1187
44.	Coincidence Doppler Broadening Spectroscopy and Electron Paramagnetic Resonance Studies in Gamma-Irradiated Polyurethane M. Straticiu, I. Burducea, F. Constantin, L. S. Craciun, R. M. Georgescu, C. Ionescu, P. M. Racolta Conferinta Nationala de Fizica, Iasi, 23-25 Septembrie, 2010
45.	Collective phenomena in p + p collision @ 7 TeV <i>C. Andrei, I. Berceanu, A. Bercuci, A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua</i> ALICE WEEK, 3 November 2010 - 12 November 2010, PWG2, CERN http://indico.cern.ch/getFile.py/access?contribId=7&resId=0&materialId=slides&confId=111211
46.	Collective properties of the Na clusters <i>A. A. Raduta, Al.H.Raduta , R. Budaca</i> International Conference on Superconductivity and Magnetism, Antalya, 2010
47.	Colour changes induced by ionizing radiation treatment in the inorganic historical pigments <i>C.-D. Neguț, C.C. Ponta, Olimpia-Hinamatsuri Barbu, Rodica Maria Georgescu, I.-V. Moise, M. Cutrubinis, Mihaela Maria Manea, M. Virgolici, Ioana Stănculescu</i> The National Symposium of Archaeometry - 2010, National History Museum of Romania (MNIR), Bucharest, Romania, october 28 - 29, 2010.
48.	Complementary deuteron breakup and deuteron-induced reaction analysis <i>M. Avrigeanu and V. Avrigeanu</i> Workshop on "Nuclear Fission Dynamics and the Emission of Prompt Neutrons and Gamma Rays" (Theory-1), September 27-29, 2010, Sinaia, Romania, Report EUR (in press)
49.	Contact interaction studies in H1: Finite quark radius model <i>Marina Rotaru</i> Trans-European School of High Energy Physics, Izvorani, 2010
50.	Continuous variable entanglement in two-mode open quantum systems <i>A. Isar</i> XIII International Conference on Quantum Optics and Quantum Information (ICQOQI), Kiev, Ukraine, May 2010
51.	Cosmic rays in the knee energy range <i>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I, F. Di Pierro, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kickelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trinchero, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</i> 22nd ECRS - European Cosmic Ray Symposium at the University of Turku, Finland, 3-6 August 2010
52.	Cosmogonic Models Overview <i>C. Bordeanu</i> Carpathian Summer School of Physics 2010, AIP Conf. Proc. 1304, 439 (2010)
53.	Cost estimations on operational protection for workers involved in decommissioning activities of the nuclear research reactor VVR-S Magurele-Bucharest <i>M. Dragusin, I. Iorga</i> Proceedings of the European Nuclear Conference, Barcelona, Spain, May 2010, 2010, ISBN 978-92-95064-09-6
54.	Cross sections for neutron inelastic scattering on ^{28}Si <i>A. Negret et al.</i> ND2010 International Conference on Nuclear Data for Science and Technology, 26-30 April 2010, Jeju Island, South Korea
55.	Current status and performance of the LHCb electromagnetic and hadron calorimeters <i>LHCb Collab. //... M. Dima</i> 14th International Conference On Calorimetry In High Energy Physics, Beijing, China, 10 - 14 May 2010
56.	Das KASCADE-Grande Experiment <i>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I, F. Di Pierro, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kickelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trinchero, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</i> Frühjahrstagung DPG, Fachverband Teilchenphysik, Bonn, 15.-19.März 2010

57.	DeEcoherence and entanglement of two-mode Gaussian states in a thermal environment <i>A. Isar</i> Workshop on Quantum Coherence and Decoherence, Benasque, Spain, September 2010
58.	Defects Generation in CdS/CdTe Heterojunction Photovoltaic Cells by High Energy Protons Irradiation <i>S. Iftimie, L. Ion, C. Tazloanu, V. Ghenescu, C. Besleaga, T. L. Mitran, M. Gugiu, N. Dina, O. Porumb, S. Antohe</i> Workshop on Applied Physics, July 7-9 2010, Constanta Romania, Book of Abstract, S5 P51, pg. 149
59.	Detection of solar neutrinos by coherent scattering on high Debye temperature crystals <i>I.Cruceru, M.Cruceru, G.Nicolescu</i> The XXIV International Conference on Neutrino Physics and Astrophysics, Athens, Greece, June 14-19, 2010
60.	Detection of solar neutrinos by coherent scattering on high debye temperature monocrystals <i>I.Cruceru, Madalina Cruceru, G.Nicolescu, O.G.Duliu</i> The XXIV International Conference on Neutrino Physics and Astrophysics, Athens, Greece, 13-19 June 2010
61.	Determination of Tritiated Water Activity Using EPR Spectrometry <i>C. Postolache, Rodica Georgescu, Lidia Matei</i> „9-th International Conference on Tritium Science and Technology TRITIUM 2010”, 24-29 octombrie 2010, Nara, Japonia
62.	Deuteron breakup effects on activation cross sections at low and medium energies (invited lecture) <i>M. Avrigeanu and V. Avrigeanu</i> XVIII International School on Nuclear Physics, Neutron Physics and Applications, September 21 - 27, 2009, Varna, Bulgaria, J. Phys.: Conf. Ser. 205 (2010) 012014
63.	Dextran-Mannose Derivatives Labelled with 99mTc - Potential Agents for Receptor Targeted Lymphoscintigraphy <i>Dana NICULAE1, Catalin TUTA1, Ioana PATRASCU1, Marina ILIESCU1, Cosmin MUSTACIOSU1, Gabriela VOICU2 and Mariana PURICE2</i> 15th European Symposium on Radiopharmacy and Radiopharmaceuticals, Edinburgh, Scotland (UK), April 8-11, 2010
64.	Distribution of soil-to-plant transfer factors for the natural uranium isotopes in the vegetation in zones affected by uranium mines <i>Carmen Cristache, Laura Aldave de las Heras, Ramon Carlos Marquez, Mihaela Bragea, Laszlo Toro</i> 40èmes Journées des Actinides & 2nd Workshop on Actinide Targets, 27 March - 01 April 2010, CERN, Geneva
65.	Dosimetry in continuous and pulse hadrontherapy beams - Methods for calibration and measurement <i>Radu Vasilache, Sorin Bercea</i> The second International Workshop of Hadrontherapy, November 12-14, 2010, Paltinis, Sibiu
66.	Double transgenic mice with type I diabetes - a model of diabetic neuropathy Iancu A.D., Radu B.M., Radu M., Stavaru C., Radu D.L. Joint Meeting of Immunology and Clinical Allergology, 28 April - 1 May, 2010, Sibiu, Romania
67.	DYNAMICAL AND THERMODYNAMICAL PROPERTIES OF INCOMPLETE FUSION EVENTS AT 25 MeV/NUCLEON <i>Lombardo I 1,3, Agodi C 1, Alba R 1, Amorini F 1, Anzalone A 1, Berceauu I 9, Cardella G 2, Cavallaro S 1,3, Chatterjee MB 4, Coniglione R 1, Defilippo E 2, Dipietro A 1, Figuera P 1, Geraci E 2,3, Giuliani G 2,3, Grassi L 2,3, Grzeszczuk A 8, La Guidara E 2,5, Lanzalone G 1,6, Le Neindre N, Maiolino C 1, Pagano A 2, Papa M 2, Pirrone S 2, Politi G 2,3, Pop A 9, Porto F 1,3, Rizzo F 1,3, Russotto P 1,3, Santonocito D 1, Sapienza P 1, Verde G 2, 1. Ist Nazl Fis Nucl, Lab Nazl Sud, I-95123 Catania, Italy 2. Ist Nazl Fis Nucl, Sez Catania, I-95123 Catania, Italy 3. Univ Catania, Dip Fis & Astron, I-95123 Catania, Italy 4. Saha Inst Nucl Phys, Calcutta, India 5. CSFNSM, Catania, Italy 6. Univ Kore Enna, Enna, Italy 7. Univ Caen, LPC Caen, CNRS, ENSICAEN,IN2P3, F-14032 Caen, France 8. Univ Silesia, Inst Phys, Katowice, Poland 9. Inst Phys & Nucl Engrn, Bucharest, Romania</i> International Conference on Nuclear Reactions on Nucleons and Nuclei Messina, ITALY, OCT 05-09, 2009, INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 19 Issue: 5-6 Pages: 1170-1176 Published: JUN 2010
68.	EDXRF and INAA analysis of soils in the vicinity of a metallurgical plant <i>Antoaneta Ene, Ana Pantelică, Carmo Freitas, and Alina Bosneaga</i> 11th International Balkan Workshop On Applied Physics, July 7-9, 2010, Constanta, Romania (Romanian Reports in Physics)
69.	Effect of Nucleators and Intermediates on the Magnetic Properties of Nanosized Magnetite Obtained by Glass Crystallization <i>V. Sandu, M.S. Nicolescu, V. Kuncser, S. Popa, I. Pasuk, E. Sandu</i> ICPNS 2010, the 6 th International Conference on Physical & Numerical Simulation of Materials Processing, November 15-20, 2010, Guilin, China
70.	Effects of proton irradiation on the performance of photovoltaic cells based on CdS/CdTe thin films <i>L. Ion, E. Matei, N. Preda, M. Gugiu, I. Enculescu, S. Antohe</i> Spring Meeting, Congress Center, Strasbourg, France, June 7-11, 2010, P2-37, Symposium M: Thin film chalcogenide photovoltaic materials,, 8 June, 2010, 14.00, pg.M P2-19

71.	Elaboration of the cost calculation methodology for the radwaste generated by the decommissioning of the VVR-S Magurele research reactor <i>M. Dragusin, A. Pavelescu, I. Iorga</i> Proceedings of the European Nuclear Conference (ENC 2010), Barcelona, Spain, May, 2010, ISBN 978-92-95064-09-6
72.	Elemental concentrations in vegetable species from industrial zones in Romania determined by INAA <i>A. Pantelica, O. Culicov, M. Frontasyeva, C.R. Badita, and I.C. Calinescu</i> 16th Radiochemical Conference, April 18-23 2010, Marianske Lazne, Czech Republic
73.	Elemental contents of stainless steel by nuclear reactions with protons and deuterons of TANDEM accelerator of IFIN-HH <i>A.Pantelica, F.Negoita, A.Buta, M.Cruceru, F.Rotaru, S.Calinescu and C.Petrone</i> International Symposium on Applied Physics-Materials Science, Environmental and Health (ISAP1), Galati, Romania, November 28-29, 2009
74.	Emission of light clusters in nuclear reactions at 25 MeV/nucleon with different N/Z of entrance channel <i>EXOCHIM Collaboration, I. Berceanu, A. Pop</i> State of Art in Nuclear Cluster Physics – SOTANCP2, Bruxelles, 29/05/2010
75.	Enhancing Quality Control Methods and Procedures for Radiation Technology. Romania Country Report (2009 -2010) <i>I.V. Moise</i> RER8017, Mid-term Progress Review and Planning Coordination Meeting, 24 – 26 November 2010, Baku, Azerbaijan
76.	Entanglement in two-mode continuous variable open quantum systems <i>A. Isar</i> 17th Central-European Workshop on Quantum Optics (CEWQO), St. Andrews, Scotland, June 2010
77.	Entanglement in two-mode Gaussian open quantum systems <i>A. Isar</i> International Conference on Quantum Information and Quantum Computation, Stockholm, Sweden, October 2010
78.	Estimation of m.w.e (meter water equivalent) depth of the salt mine of Slanic Prahova, Romania <i>Bogdan Mitrica, Romul Margineanu, Sabin Stoica, Mirel Petcu, Iliana Brancus, Alexandru Jipa, Ionel Lazanu, Octavian Sima, Andreas Haungs, Heinigerd Rebel, Marian Petre, Gabriel Toma, Alexandra Saftoiu, Ana Apostu</i> Carpathian Summer School of Physics, Exotic Nuclei and Nuclear/Particle Astrophysics (III), From Nuclei to Stars, June 20 - July 3, 2010 - Sinaia, Romania
79.	Evaluation of 188Re-anti-VEGF-Mab as novel agent in cancer radioimmunotherapy Dana Niculae, Valeria Lungu, Ioana Patrascu, M. Radu and Diana Savu Conferinta Nationala de Fizica, Iasi, Romania, Septembrie 23-25, 2010
80.	EVALUATION OF 99mTc DEXTRAN MANNOSE CONJUGATE DERIVATIVES FOR SENTINEL NODE DETECTION Dana Niculae, Ioana Patrascu, C. Tuta and C. Mustaciosu 3rd IAEA CRP Meeting on Development of 99mTc radiopharmaceuticals for sentinel node detection and cancer diagnosis, Vienna, Austria, November 22-26, 2010
81.	Evaluation of PCB's chromatographic retention indices -an important information in environmental remediation <i>5. G. Mindrilă, Ioana Stănculescu and C. Mandravel</i> 14th International Conference on Physical Chemistry, ROMPHYSICHEM-14, Bucharest, Romania, June 2-4, 2010
82.	Evaluation of Ra-228 nuclear decay data <i>Aurelian Luca</i> Workshop DDEP 2010: Training sessions of the Decay Data Evaluation Project, Madrid, Spain, June 9-11, 2010
83.	Evolution of continuous variable entanglement in open quantum systems <i>A. Isar</i> School and Workshop on Quantum Field Theory, Calimanesti, Romania, May 2010
84.	Exchange velocity approach and the role of photosynthesis for tritium transfer from atmosphere to plants <i>A. Melintescu, D. Galeriu</i> 9th International Conference on Tritium Science and Technology, "TRITIUM 2010", October, 24 – 29, 2010, Nara, Japan, follow to be published in Fusion Science and Technology
85.	Experimental investigation of gamma ray attenuation in composite materials <i>Elena Iliescu, Sorin Bercea</i> 23-rd General Conference of the Condensed Matter Division of the European Physical Society, Warsaw, Poland, August 30 - September 03, 2010
86.	Experimental study of the radionuclides transport in soil and plants from waste dump <i>Bragea Mihaela, Aldave de las Heras Laura, Cristache Carmen, Carlos Marquez Ramon, Toro Laszlo</i> Proceedings of Third European IRPA Congress 2010 June 14–18, Helsinki, Finland
87.	Extension of nuclear fission theory to the Coulomb explosion of metallic clusters

	<i>D. N. Poenaru, R. A. Gherghescu, W. Greiner</i> THEORY-1: Scientific Workshop on Nuclear Fission Dynamics and the Emission of Prompt Neutrons and Gamma Rays, Sinaia, 27-29 September 2010
88.	First minimum bias physics results at LHCb <i>LHCb Collab. //... M. Dima</i> 15th High-Energy Physics International Conference in Quantum Chromodynamics (QCD), Montpellier, France, 28 Jun - 3 Jul 2010
89.	First performance results for the LHCb Silicon Tracker <i>LHCb Collab. //... M. Dima</i> 12th Topical Seminar on Innovative Particle and Radiation Detectors, Siena, Italy, 7 - 10 Jun 2010
90.	First results and planned experiments with the INFN-LNS ray-tracing magnetic spectrometer MAGNEX <i>A. Cunsolo, F. Cappuzzello, M. Cavallaro, A. Foti, S.E.A. Orrigo, M.R.D. Rodrigues, T. Borello-Lewin, H. Petrascu, D. Carbone.</i> XXXII Brazilian Workshop on Nuclear Physics.
91.	First results from LHCb <i>LHCb Collab. //... M. Dima</i> LHC Days in Split, 4 – 9 October 2010
92.	Formation and stability of multidimensional structures in optics and atomic condensate: recent theoretical studies <i>D. Mihalache</i> ROMOPTO 2009: Ninth Conference on Optics: Micro- to Nanophotonics II, SPIE Proceedings, vol. 7469, pp. 74690H, 2010
93.	Forthcoming (n, gamma) measurements on the Fe and Ni isotopes at CERN n_TOF <i>C Domingo-Pardo, S Andriamonje, J Andrzejewski, L Audouin, V Avrigeanu, F Bechearecheck, F Belloni, B Berthier, E Berthoumieux, M Brugger, M Calviani, F Calviño, D Cano-Ott, C Carrapico, F Cerutti, F Chiaveri, N Colonna, G Cortes, I Dillmann, I Duran, A Ferrari, W Furman, S Ganesan, G Giubrone, M B Gómez Hornillos, R Gallino, I F Goncalves, E Gonzalez-Romero, V Gorlychev, F Gramegna, C Guerrero, F Gunsing, S Harissopulos, M Heil, K Ioannides, E Jericha, F Käppeler, Y Kadi, D Karadimos, M Kriviccka, E Lebbos, C Lederer, H Leeb, M Lozano, R Losito, J Marganec, S Marrone, T Martínez, C Massimi, P Mastinu, E Mendoza, A Mengoni, P M Milazzo, M Mirea, M Moinul, M Mosconi, R Nolte, C Paradela, A Pavlik, J Perkowski, R Plag, J Praena, J M Quesada, R Reifarh, C Rubbia, R Sarmiento, G Tagliente, J L Tain, L Tassan-Got, D Tarrío, G Vannini, V Variale, P Vaz, A Ventura, D Villamarin, V Vlachoudis, R Vlastou, A Wallner, C Wiess (The n_TOF Collaboration)</i> NUCLEAR PHYSICS IN ASTROPHYSICS IV 8-12 June 2009, Laboratori Nazionali di Frascati, Frascati, Italy, published in Journal of Physics: Conference Series, vol. 202(2010) 012026
94.	FRACTIONAL EXCLUSION STATISTICS IN SYSTEMS OF INTERACTING PARTICLES <i>Dragos-Victor Anghel</i> Dubna-Nano2010, JINR-Dubna, Russia, July 5-10, 2010.
95.	Fundamentals of particular non-stationary stochastic processes used to model particle transport in a stochastic magnetic field <i>E. M. Băbălic, N. I. Pometescu</i> Physics Conference TIM - 10, West University of Timisoara, Romania, 25 - 27 November 2010
96.	Gamma Spectroscopy and Lifetime Measurement Techniques at Bucharest TANDEM <i>N. Marginean</i> Carpathian Summer School of Physics 2010 Exotic Nuclei and Nuclear/Particle Astrophysics (III) "From nuclei to stars" June 20 – July 3, 2010, Sinaia, Romania
97.	Gamma Spectroscopy and Lifetime Measurement Techniques at the Bucharest TANDEM Laboratory <i>N. Marginean</i> 7th International Balkan School on Nuclear Physics, Antalya (Adrasan), September 15th-22nd, 2010
98.	Gegenseitige Kalibrierung der KASCADE-Grande-Daten mit den HEAT Fluoreszenzdetektor-Daten <i>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I. F. Di Pierro, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kickelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trinchero, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</i> Frühjahrstagung DPG, Fachverband Teilchenphysik, Bonn, 15.-19.März 2010
99.	Good Practices in the Nuclear Research Reactor VVR-S Magurele-Bucharest Romania Decommissioning Planning and Starting the Project <i>M. Dragusin</i> Proceedings of 2010 American Nuclear Society Topical Meeting on Decommissioning & Decontamination & Reutilization, Idaho Falls, USA, August 30 - September 3, 2010
100.	Grid and High Performance Computing infrastructure at the National Institute for Physics and Nuclear Engineering

	<p>'Horia Hulubei' M. Ciubancan, S. Constantinescu, I. Vasile, M. Dulea GRID2010 International Conference „Distributed Computing and Grid-technologies in Science and Education”, JINR, Dubna, Russia, 28 June – 03 July 2010</p>
101.	<p>Handling of the generation of primary events in Gauss, the LHCb simulation framework <i>LHCb Collab. //... M. Dima</i> 2010 IEEE Nuclear Science Symposium, Medical Imaging Conference, and Room Temperature Semiconductor Detectors Workshop, Knoxville, Tennessee, United States Of America, 30 Oct - 6 Nov 2010</p>
102.	<p>He-implanted nuclear ceramics: microstructural modifications upon thermal annealing <i>G. Velisa, A. Debelle, L. Vincent, L. Thomé, A. Declémy, D. Pantelica</i> E-MRS Spring Meeting 2010, June, 7-11, Strasbourg, France (oral presentation)</p>
103.	<p>He-implanted Nuclear Ceramics: Microstructural Modifications Upon Thermal Annealing <i>Gihan Velisa, Aurelien Debelle, Laetitia Vincent, Lionel Thome, Alain Declemy and Dan Pantelica</i> 2010 MRS Spring Meeting, San Francisco, April 6 - 8, 2010 (poster presentation)</p>
104.	<p>Heterotic Type IIA duality with fluxes <i>Andrei Micu</i> String Phenomenology, Paris, France 2010.</p>
105.	<p>Hidden symmetries and Killing-Maxwell system <i>M. Visinescu</i> International Physics Conference TIM - 10, West University of Timisoara, Romania, 25 - 27 November 2010</p>
106.	<p>Hidden symmetries and quantum gravitational anomalies <i>M. Visinescu</i> 7th Spring School and Workshop on Quantum Field Theory and Hamiltonian Systems, Calimanesti, Romania, 10-15 May 2010</p>
107.	<p>Hidden symmetries and quantum gravitational anomalies <i>M. Visinescu</i> International Conference on Symmetries and Integrability of Difference Equations SIDE-9, Varna, Bulgaria, 13-19 June 2010</p>
108.	<p>High counting rate, two-dimension position sensitive TRD prototypes, construction and preliminary tests using new fast analog signal processor <i>M. Petris et al.</i> 15th CBM Collaboration Meeting, April 12 - 16, 2010, GSI, Darmstadt. https://www.gsi.de/documents/DOC-2010-Apr-140-1.pdf</p>
109.	<p>High counting rate, two-dimension position sensitive TRD prototypes, construction and preliminary tests using new fast analog signal processor <i>M. Petris et al.</i> 16th CBM Collaboration Meeting, September 27 – October 1, 2010, Mamaia, Romania https://indico.gsi.de/contributionDisplay.py?contribId=95&sessionId=32&confId=1049</p>
110.	<p>High granularity, high counting rate, differential readout timing MRPC status <i>M. Petris, D.Bartos, Gh. Caragheorghopol, M.Petrovici, V.Simion et al.</i> 16th CBM Collaboration Meeting, September 27 – October 1, 2010, Mamaia, Romania https://indico.gsi.de/contributionDisplay.py?contribId=95&sessionId=32&confId=1049</p>
111.	<p>Higher order symmetries and gravitational anomalies <i>A. Visinescu, M. Visinescu</i> Spanish Relativity Meeting ERE2010, Granada, Spain, 6-10 September 2010</p>
112.	<p>Higher order symmetries: gauge covariant approach and gravitational anomalies <i>M. Visinescu</i> International Conference on Symmetry Methods in Physics SYMPHYS-XIV, Tsakhkadzor, Armenia, 16-22 August 2010</p>
113.	<p>Higher order symmetries: gauge covariant Hamiltonian approach and quantum gravitational anomalies <i>M. Visinescu</i> International Conference 6th MATHEMATICAL PHYSICS MEETING, Belgrade, Serbia, 14-23 September 2010</p>
114.	<p>Highly parallel algorithm for high p(T) physics at FAIR-CBM. <i>A. Fulop, G. Vesztergombi for the CBM Collaboration</i> Journal of Physics: Conference Series, vol. 219 (2010) 022032</p>
115.	<p>Holomorphic discrete series representations on Siegel-Jacobi domains <i>S.Berceanu, A Gheorghe</i> Workshop on Analysis, Geometry and Group Representations for Homogeneous Spaces, Lorentz Center, Leiden, The Netherlands, 22-26 November 2010, http://www.lorentzcenter.nl/lc/web/2010/423/info.php3?wsid=423</p>
116.	<p>How to handle incomplete decay scheme <i>V. Chiste and A. Luca</i></p>

	Workshop DDEP 2010: Training sessions of the Decay Data Evaluation Project, Madrid, Spain, June 9-11, 2010
117.	HPC Infrastructure @ IFIN-HH I. Vasile RO-LCG 2010 Conference: Grid and High Performance Computing in Scientific Collaborations, Bucharest, 07 12 2010
118.	Hydrophobic Isotope Exchange Catalyst Endurance Test Facilities <i>Lidia Matei, C. Postolache, C Tuta, S Brad</i> „9-th International Conference on Tritium Science and Technology TRITIUM 2010”, 24-29 octombrie 2010, Nara, Japonia
119.	Implicarea Laboratorului de Metrologia Radionuclizilor din IFIN-HH in imbunatatirea calitatii masurarii Tc-99m in unitatile de medicina nucleara <i>M.Sahagia, A.Luca, A.Antohe, A.C.Watjen, C.Ivan</i> Conferinta Nationala comuna SRRp și SR Medicina Muncii: Protectia in expunerea profesionala la radiatii ionizante. Proc. pp 34-36, ISBN 978-973-1795-39-3
120.	In Vitro Biological Evaluation of 188Re-anti-VEGF-Mab and 188Re-anti-MUC1 <i>Dana Niculae1, Valeria Lungu1, Lorelei Brasoveanu2, Diana Savu1, Marina Iliescu1, Ioana Patrascu1</i> 15th European Symposium on Radiopharmacy and Radiopharmaceuticals, Edinburgh, Scotland (UK), April 8-11, 2010
121.	In vivo cytotoxicity of 188Re-anti-VEGF-Mab Diana Savu, Valeria Lungu, Dana Niculae, Iuliana Gruia, Viorel Fugaru, Rodica Anghel, Cosmin Mustaciosu, Ileana Petcu 38th Annual Meeting of the European Radiation Research Society, Stockholm, Sweden, September 5-9, 2010
122.	In-beam commissioning of the Bucharest FN tandem mass spectrometer <i>T.B. Sava</i> 7th International Balkan School on Nuclear Physics
123.	In-beam experiments for measuring sub-nanosecond lifetimes using fast LaBr3: Ce detectors at the Bucharest FN Tandem accelerator <i>D.G. Ghita, N. Marginean, D. Bucurescu, G. Cata-Danil, I. Cata-Danil, D. Deleanu, D. Filipescu, T. Glodariu, M. Ivascu, C. Mihai, R. Marginean, A.Negret, S. Pascu, T. Sava, L. Stroe, G. Suliman, N. V. Zamfir, D. Balabanski, L. Atanasova, P. Detistov, S. Lalkovski, G. Deyanova, K. A. Gladnishki, S. Kisyov, D. Radulov, J.M. Daugas, G. Georgiev</i> Zakopane Conference on Nuclear Physics, Zakopane, Poland, 30 August-7 September 2010
124.	Influence of detection efficiency on the measurement of radon by liquid scintillation counting <i>A.Antohe, M. Sahagia, A.Luca, Ph. Cassette, C.Ivan</i> Advances in Liquid Scintillation Spectrometry (LSC 2010), Paris, France, September 6-10, 2010
125.	Infrared and Raman Platform for Non-Contact Characterization of Art Objects at IFIN-HH <i>M. Manea, M. Virgolici, V. Moise, Ioana Stanculescu, D. Negut, M. Cutrubinis, R. Georgescu, R. Suvaila, C. Ponta</i> 14-th National Conference of Applied Physics, Iasi, Romania, November 19-20, 2010
126.	Introduction to Double Beta Decay S. Stoica CSSP10: Exotic Nuclei and Nuclear/Particle Astrophysics (III), 20 June - 3 July, 2010, Sinaia, Romania 2010
127.	Introduction to Fish Bioenergetics,Modelling optimisation of HTO transfer from soil to plants,OBT formation at night time, data and modelling trials <i>Dan Galeriu</i> EMRAS II WG 7 ,4th Working Group Meeting guessed by IRSN Cadarache 6 - 9 September 2010
128.	Investigating the structure of 128I <i>D. Deleanu, D. Bucurescu, Gh. Cata-Danil, I. Cata-Danil, D. Filipescu, D. Ghita, T. Glodariu, M. Ivascu, N. Marginean, R. Marginean, C. Mihai, A. Negret, S. Pascu, L. Stroe, R. Marginean, C. Mihai, A. Negret, S. Pascu, L. Stroe, T. Sava, N.V. Zamfir, Ts. Venkova, D. L. Balabanski</i> 29-th INTERNATIONAL WORKSHOP ON NUCLEAR THEORY, IWNT9-2010, 20-26 JUNE 2010, RILA MOUNTAINS, BULGARIA
129.	Investigation of neutron emission by n-n correlation function in fission process using an array detector <i>I. Companis, A. Isbasescu, M. Mirea and H. Petrascu</i> CNR*09 - Second International Workshop on Compound Nuclear Reactions and Related Topics Bordeaux, France, October 05-08, 2009 L. Bonneau, N. Dubray, F. Gunsing and B. Jurado (Eds.) publicata in EPJ Web of Conferences Vol 2, 14001 (2010)
130.	Investigation of the hadronic interaction models using WILLI detector <i>B. Mitrica, I.M. Brancus, H. Rebel, O. Sima, M. Petcu, A. Haungs, A. Saftoiu, G. Toma, M. Duma</i> 16th International Symposium On Very High Energy Cosmic Ray Interactions (ISVHECRI 2010) 28 Jun - 2 Jul 2010, Batavia, Illinois, USA
131.	Is double transgenic mice TCR-HA+/-/Ins-HA+/- a proper model for peripheral diabetic neuropathy?

	B. M. Radu, A. D. Iancu, D. L. Radu, M. Radu 50th Annual Meeting of American Society for Cell Biology, December 11-15, 2010, Philadelphia, USA
132.	Kaonic atoms measurements at DAFNE by SIDDHARTA <i>M. Bazzi, G. Beer, L. Bombelli, A.M. Bragadireanu, M. Cargnelli, G. Corradi, C. Curceanu (Petrascu), A. d'Uffizia, C. Fiorini, T. Frizzi, F. Ghio, B. Girolami, C. Guaraldo, R.S. Hayano, M. Iliescu, T. Ishiwatari *, M. Iwasaki, P. Kienle, P. Levi Sandria, A. Longonic, V. Lucherini, J. Marton, S. Okada, D. Pietreanu, T. Ponta, A. Rizzo, A. Romero Vidal, A. Scordo, H. Shig, D.L. Sirghi, F. Sirghi, H. Tatsuno, A. Tudorache, V. Tudorache, O. Vazquez Doce, E. Widmanne, J. Zmeskal</i> XLVIII International Winter Meeting on Nuclear Physics, BORMIO2010 January 25-29, 2010 Bormio, Italy
133.	Key issues for consistent description of neutron-induced reactions on Cr isotopes <i>M. Avrigeanu and V. Avrigeanu</i> Proc. Int. Conf. on Nuclear Data for Science and Technology, April 26-30, 2010, Jeju, Korea (ND2010); J. Kor. Nucl. Soc. (in press)
134.	Key issues of pre-equilibrium emission for consistent description of the nucleon-induced reactions <i>V. Avrigeanu and M. Avrigeanu</i> The Final Scientific EFNUDAT Workshop, 30 August – 2 September 2010, CERN, Geneva (in press)
135.	Labelling of Anti-Epidermal Growth Factor Monoclonal Antibody with ¹⁷⁷Lu: Radiochemical and Biological Evaluation <i>Dana Niculae¹, Valeria Lungu¹, Rodica Anghel², Iuliana Gruia², Marina Iliescu¹, Ioana Patrascu¹</i> 15th European Symposium on Radiopharmacy and Radiopharmaceuticals, Edinburgh, Scotland (UK), April 8-11, 2010
136.	Lessons learned from 50 years period the storage of the spent fuel from nuclear research reactor VVR-S <i>M. Dragusin</i> Proceedings of the Research Reactor Fuel Management Conference (RRFM-2010), European Nuclear Society, Morocco, February 2010, ISBN 978-92-95064-10-2
137.	LHCb Commissioning <i>LHCb Collab. //... M. Dima</i> 45rd Rencontres de Moriond on QCD and High Energy Interactions, La Thuile, Italy, 13 - 20 Mar 2010
138.	LHCb commissioning and operation <i>LHCb Collab. //... M. Dima</i> Physics at the LHC 2010, Hamburg, Germany, 7 - 12 Jun 2010
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140.	LHCb Silicon Tracker operations and performance with first data <i>LHCb Collab. //... M. Dima</i> 19th International Workshop on Vertex Detectors, Loch Lomond, United Kingdom, 6 - 11 Jun 2010
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142.	LHCb VELO Closing Control, Vertex Resolution and Luminosity Measurement <i>LHCb Collab. //... M. Dima</i> 19th International Workshop on Vertex Detectors, Loch Lomond, United Kingdom, 6 - 11 Jun 2010
143.	Long term behaviour evaluation of cement conditioning matrices used for management of radioactive wastes at IFIN-HH <i>Felicia Dragolici, Laura Ionascu, Mihaela Nicu, C. N. Turcanu, Gh. Rotarescu, Gh. Dogaru</i> IAEA Workshop 3rd RCM, Kalpakkam, India, October 18-22, 2010
144.	Long term behaviour evaluation of cement conditioning matrices used for management of radioactive wastes at IFIN-HH <i>Felicia Dragolici, Laura Ionascu, Mihaela Nicu, C. N. Turcanu, Gh. Rotarescu, Gh. Dogaru, Carmela Alexandru, C.A. Dragolici</i> IAEA Workshop 3rd RCM, Kalpakkam, India, October 18-22.
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146.	Low Level Laser Therapy as a Complementary Therapeutic Modality for Septic Wounds Healing <i>Mihaela Antonina Calin, Toma Coman, Dan Savastru, Marian Romeo Calin, Alina Ionescu, Adriana Sarah Nica</i> Congresul Internațional Laser, 11-13 Nov. 2010, Bucharest
147.	Magnetic field and particle concentration competitive effects on ferrofluid based silicone elastomer microstructure <i>Balasoiu Maria</i>

	XX-th Workshop on using of neutron scattering in condensed matter investigations RNIKS 2010, 16-19 November 2010, Moscow, Poster presentation 4-1
148.	Magnetic properties and application of biomineral particles produced by bacterial culture <i>L.A. Ishchenko, S.V. Stolyar, V. P. Ladygina, Y. L. Raikher, M. Balasoiu, O. A. Bayukov, R., S. Iskhakov, E. V. Inzhevatin</i> International Conference on Magnetic Fluids ICMF12, 1-4 August 2010, Senday, Japan
149.	Masurari preliminare din punct de vedere al radioactivității in mina salina Turda <i>Marian Romeo CĂLIN, Mihaela Antonina CALIN, Iuri (Ghe) SIMIONCA</i> Conferinta internationala de dezvoltare a turismului balneoclimateric și speleoterapieii in salina Turda, aug. 2010
150.	Measurement of Cosmic Ray Air Showers with the Digital Radio Interferometer LOPES <i>W.D. Apel, J.C. Arteaga, T. Asch, L. Bähren, K. Bekk, M. Bertaina, P.L. Biermann, J. Blümer, b, H. Bozdog, I.M. Brancus, P. Buchholz, S. Buitink, E. Cantoni, i, A. Chiavassa, K. Daumiller, V. de Souza, 2, P. Doll, R. Engel, H. Falcke, M. Finger, D. Fuhrmann, H. Gemmeke, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, A. Horneffer, D. Huber, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, O. Krömer, J. Kuijpers, S. Lafebre, K. Link, P. Luczak, M. Ludwi, H.J. Mathes, M. Melissas, C. Morello, S. Nehls, J. Oehlschläger, N. Palmieri, T. Pierog, J. Rautenberg, H. Rebel, M. Roth, C. Rühle, A. Saftoiu, H. Schieler, A. Schmidt, F.G. Schröder, O. Sima, G. Toma, G.C. Trinchero, A. Weindl, J. Wochele, M. Wommer, J. Zabierowski and J.A. Zensus</i> 22nd ECRS - European Cosmic Ray Symposium at the University of Turku, Finland, 3-6 August 2010
151.	Measurements of the atmospheric muon flux in the underground of Slanic Prahova salt mine <i>Bogdan MITRICA, Romul Margineanu, Mirel Petcu, Iliana Brancus, Heinigerd Rebel, Andreas Haungs, Adrian Oprina, Florinel Chipiesiu and Marian Petre</i> The 6th International Colloquium "Mathematics in Engineering, Numerical Physics and Complexity", 8 oct 2010, Bucharest, Romania
152.	Mechanisms for Light Charged-Particle Emission during Nuclear Fission <i>N. Carjan</i> Seminar on Fission, Gent, Belgium, 17-20 May, 2010
153.	Messung des dreidimensionalen E-Feldvektors der Radioemission hochenergetischer Luftschauer mit LOPES <i>W.D. Apel, J.C. Arteaga, T. Asch, L. Bähren, K. Bekk, M. Bertaina, P.L. Biermann, J. Blümer, b, H. Bozdog, I.M. Brancus, P. Buchholz, S. Buitink, E. Cantoni, i, A. Chiavassa, K. Daumiller, V. de Souza, 2, P. Doll, R. Engel, H. Falcke, M. Finger, D. Fuhrmann, H. Gemmeke, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, A. Horneffer, D. Huber, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, O. Krömer, J. Kuijpers, S. Lafebre, K. Link, P. Luczak, M. Ludwi, H.J. Mathes, M. Melissas, C. Morello, S. Nehls, J. Oehlschläger, N. Palmieri, T. Pierog, J. Rautenberg, H. Rebel, M. Roth, C. Rühle, A. Saftoiu, H. Schieler, A. Schmidt, F.G. Schröder, O. Sima, G. Toma, G.C. Trinchero, A. Weindl, J. Wochele, M. Wommer, J. Zabierowski and J.A. Zensus</i> Frühjahrstagung DPG, Fachverband Teilchenphysik, Bonn, 15.-19.März 2010
154.	Methods for concentration and chemical purification of eluates from Ge-68/Ga-68 generator for preparing high-purity radiopharmaceuticals <i>Dana Niculae, Ioana Patrascu, Marina Iliescu, Catalin Tuta, Valeria Lungu, Ioan Ursu, Andrei Antohe</i> Workshop: Is there a future for Innovative PET Radionuclides 64Cu, 68Ga, 89Zr and ... 44Sc?, Nantes, France, July 6-9, 2010
155.	Micro-PIXE studies on archaeological gold objects from Romanian museums <i>B. Constantinescu, R. Bugoi, F. Munnik, T. Calligaro, L. Pichon</i> 12th International Conference on Nuclear Microprobe Technology and Application, Leipzig, Germany, July 26-30, 2010.
156.	Microscopy and PCR detection: two methods for confirmatory assays on arbuscular micorrhizal fungi infection <i>Mihaela ENE, Mioara ALEXANDRU, Tatiana Eugenia SESAN</i> COST 8700 Meeting: Efficient Plant – AMF Interaction:
157.	MICRO-SR-XRF AND MICRO-PIXE STUDIES FOR ARCHAEOLOGICAL GOLD IDENTIFICATION – THE CASE OF TRANSYLVANIAN GOLD <i>Daniela Cristea-Stan, Bogdan Constantinescu, Angela Vasilescu, Martin Radtke, Uwe Reinholz, Gheorghe Popescu, Antonela Neacsu, Daniele Ceccato</i> Acta mineralogica-petrographica abstract series vol6 (2010)676 : 20th General Meeting of the International Mineralogical Association - IMA 2010, Budapest, Hungary, 21-27August 2010
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159.	Microstructural morfology and water dynamics in chitosan hydrogels using AFM and QENS spectroscopy <i>V. Tripadus, V. G. Zacai, M. Statescu, F. Mihai, L. Craciun, V. Almasan, C. Ionescu</i> Conferinta Nationala de Fizica, Iasi, 23-25 Septembrie, 2010
160.	Modeling optimization of HTO transfer from soil to plants <i>D Galeriu</i> Fourth Meeting of the EMRAS II Working Group 7 "Tritium Accidents", Aix-en-Provence, France, 6 – 9 September 2010

161.	MODIFIED TWO-BAND TWO-DIMENSIONAL HUBBARD MODEL FOR THE DESCRIPTION OF THE HIGH CRITICAL TEMPERATURE SUPERCONDUCTING PHASE TRANSITION IN CUPRATES <i>Gh. Adam, S. Adam</i> 5th International Conference on Materials Science and Condensed Matter Physics (MSCMP 2010), Institute of Applied Physics, Academy of Sciences of Republic of Moldova, Chisinau, Moldova, September 13-17, 2010
162.	Molecular Imaging Agents for PET based on 68-Ga <i>Dana Niculae, Ioana Patrascu, Catalin Tuta, Ioan Ursu</i> The Second International Workshop of the Romanian Society of Hadrontherapy, Paltinis, Sibiu, Romania, November 12-14, 2010
163.	Molecular Imaging Agents for PET based on 68-Ga Dana Niculae, Ioana Patrascu, C. Tuta, I. Ursu Conferinta Societatii Romane de Radioterapie și Zilele Medicale ale Institutului Oncologic "Prof. Dr. Alexandru Trestioreanu", Bucuresti, Romania, Noiembrie 18-20, 2010
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165.	Molecular Modeling of Bisbenzylisoquinoline Alkaloids-DNA Complexes <i>Ioana. STANCULESCU, C. BENDIC</i> 10th NATO-ASI International School Biological Magnetic Resonance, Erice, Sicily, June 22 - July 2, 2010
166.	Molecular modeling of bisbenzylisoquinoline alkaloids-DNA complexes <i>Ioana. STANCULESCU and C. BENDIC</i> 14th International Conference on Physical Chemistry, ROMPHYSCEM-14, Bucharest, Romania, June 2-4, 2010
167.	Morphological and structural changes of poly (ϵ-caprolactone) microparticles obtained using rapid expansion of supercritical carbon dioxide solution <i>D. Bala, O. Cinteza and Ioana Stanculescu</i> 14th International Conference on Physical Chemistry, ROMPHYSCEM-14, Bucharest, Romania, June 2-4, 2010
168.	MOVING TABLE HCAL 1 – A TECHNOLOGICAL TRANSFER EXAMPLE IN NUCLEAR PHYSICS <i>L.RADULESCU, M.PAVELESCU</i> Workshop-ul International Balcanic de Fizica Aplicata, Constanta 6-9 Iulie, 2010
169.	Multiplicity measurements in proton-proton collisions at $\sqrt{s} = 0.9$ and 2.36 TeV with ALICE <i>ALICE Collaboration (Jan Fiete Grosse-Oetringhaus for the collaboration). Jun 2010. 4pp.</i> 45th Rencontres de Moriond: QCD and High Energy Interactions, La Thuile, Aosta Valley, Italy, 13-20 Mar 2010. e-Print: arXiv:1006.4274 [hep-ex]
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171.	Natural and artificial radioactivity in soils from Romanian sites determined by gamma-ray spectrometry <i>A. Pantelică, I.I. Georgescu, and E. Pincovschi</i> 16th Radiochemical Conference, April 18-23 2010, Marianske Lazne, Czech Republic
172.	Neutrino-Argon interaction with GENIE event generator Daniela Chesneanu, for the Romanian team of LAGUNA Collaboration AIP Conference Proceedings of the Carpathian Summer School of Physics on Exotic Nuclei and Nuclear/Particle Astrophysics (III), Sinaia, Romania, June-July 2010 (2010, Volume 1304, Pages 489-493)
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175.	New Agents for Targeted Radiotherapy of Cancer Dana Niculae, Valeria Lungu, Rodica Anghel, Iuliana Gruia, Lorelei Brasoveanu, Marieta Panait, Valentina Negoita The Second International Workshop of the Romanian Society of Hadrontherapy, Paltinis, Sibiu, Romania, November

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182.	NON-DESTRUCTIVE STUDY ON POLYCHROME WOOD CULTURAL HERITAGE BY X-RAY FLUORESCENCE SPECTROSCOPY – PART II C.C.Ponta, M.Geba, A.M.Vlad, D.Salajan Works of Art and Conservation Science Today, Thessaloniki, Greece, November 26-28, 2010
183.	Nuclear Effects on Axions Emission Rates from Nucleon-Nucleon Bremsstrahlung B. Pastrav and A. C. Scafes EXOTIC NUCLEI AND NUCLEAR/PARTICLE ASTROPHYSICS (III): From Nuclei to Stars, Sinaia, Romania, 20 June - 3 July 2010
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186.	OBT formation at night time, data and modeling trials D Galeriu et al Fourth Meeting of the EMRAS II Working Group 7 "Tritium Accidents", Aix-en-Provence, France, 6 – 9 September 2010
187.	Obtaining of a new type of 99Mo-99mTc generator based on 99Mo-Zr gel technology using 99Mo obtained by irradiation Catalina Cimpanu, Catalina Barna, Petre Busuioc The third Annual International Conference on Sustainable Development through Nuclear Research and Education, Nuclear, pag. 43-44, May 26-28, 2010, Pitesti, Romania
188.	Odd-Even Effect in Cold Fission M. Mirea International Workshop on Nuclear Dynamics and the Emission of Prompt Neutrons and Gamma Rays, THEORY-1, Sinaia, September 27-29 May 2010, Eds. H.-J. Hamsch, in print
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192.	On the Alpha-particle Optical Potential for Astrophysical Studies (invited lecture) <i>M. Avrigeanu and V. Avrigeanu</i> S. Dimitrova (Ed.), Nuclear Theory. Proc. of the Twenty Eight Int. Workshop on Nuclear Theory, 21-26 June 2009, Rila Mountains, Bulgaria, BM Trade Ltd., Sofia, 2009, pp. 15-22
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197.	Origin expertise on amber beads from Gepidic graves Eugen S. Teodor, Ioan Stanciu, Eugenia D. Teodor, Georgiana Truica, Marian Virgolici, Mihaela Manea The National Symposium of Archaeometry, National History Museum of Romania (MNIR), Bucharest, Romania, october 28 - 29, 2010
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200.	Particle Concentration Effects on Ferrofluid-based Silicone Rubber Elastomer Microstructure <i>M. Balasoiu, I. Bica, Yu.L. Raikher, L. Almasy, N.S. Perov, E.B. Dokukin, A.I. Kuklin</i> IV Euro-Asian Symposium „Trends in Magnetism: Nanospintronics” EASTMAG-2010, June 28-July 2, 2010, Ekaterinburg, Russia
201.	Particle ID and baryon production asymmetries from LHCb <i>LHCb Collab. //... M. Dima</i> 22nd Rencontres de Blois on "Particle Physics and Cosmology", Blois, Loire Valley, France, 15 - 20 Jul 2010
202.	Peculiarities of mesoscopic systems: what is the statistics of particles? <i>Dragos-Victor Anghel</i> Workshop on Nano-Opto-Electro-Mechanical Systems Approaching the Quantum Regime, Trieste, Italy, September 6-10, 2010.
203.	Performance of the LHCb Silicon Tracker in pp Collisions at the LHC <i>LHCb Collab. //... M. Dima</i> 2010 IEEE Nuclear Science Symposium, Medical Imaging Conference, and Room Temperature Semiconductor Detectors Workshop, Knoxville, Tennessee, United States Of America, 30 Oct - 6 Nov 2010
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205.	Periodic and solitary wave solutions of two component Zakharov-Yajima-Oikawa system, using Madelung approach <i>Anca Visinescu, D. Grecu, R. Fedele, S. De Nicola</i>

	Symmetries and Integrability on Difference Equations (SIDE-9), Varna, Bulgaria, June 14-18, 2010
206.	Periodic and solitary wave solutions of two component Zakharov-Yajima-Oikawa system, using Madelung approach <i>Anca Visinescu, D. Grecu, R. Fedele, S. De Nicola</i> 6-th Mathematical Physics Meeting, Belgrad, Serbia, September 16-23, 2010
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209.	Physics with first LHCb data <i>LHCb Collab. //... M. Dima</i> Physics at the LHC 2010, Hamburg, Germany, 7 - 12 Jun 2010
210.	Portable Stand for Calibration of Tritium Gas Monitors <i>C. Postolache, Lidia Matei</i> „9-th International Conference on Tritium Science and Technology TRITIUM 2010”, 24-29 octombrie 2010, Nara, Japonia
211.	Practitioners Education on Medical Exposure Justification <i>C. Avadanei, G. Rosca-Fartat, G. Stanescu</i> International Conference on Radiation Protection in Medicine, Varna, Bulgaria, 1 – 3 September 2010
212.	Precise neutron inelastic cross section measurements at GAINS <i>A. Negret et al.</i> 7th International Balkan School on Nuclear Physics, 15-22 September 2010, Akdeniz University, Andrasan-Antalia, Turkey
213.	Precision spectroscopy of Kaonic helium-3 and helium-4 3d ---> 2p X-rays. T. Ishiwatari, M. Bazzi, G. Beer, L. Bombelli, A. M. Bragadireanu, M. Cargnelli, G. Corradi, C. Curceanu (Petrascu), A. d'Uffizi, C. Fiorini, T. Frizzi, F. Ghio, B. Girolami, C. Guaraldo, R. S. Hayanoll, M. Iliescu, M. Iwasaki, P. Kienle, P. Levi Sandri, A. Longoni, V. Lucherini, J. Marton, S. Okada, D. Pietreanu, T. Ponta, A. Rizzo, A. Romero Vidal, A. Scordo, H. Shi, D. L. Sirghi, F. Sirghi, H. Tatsuno, A. Tudorache, V. Tudorache, O. Vazquez Doce, E. Widmann, J. Zmeskal et al. AIP Conf. Proc. 1257 (2010) 765-769
214.	PRELIMINARY BIOLOGICAL EVALUATION OF DEXTRAN-MANNOSE DERIVATES LABELLED WITH 99mTc FOR RECEPTOR TARGETED LYMPHOSCINTIGRAPHY <i>Dana NICULAE1, Mariana PURICE2, Ioannis PIRMETTIS3, Marina ILIESCU1, Ioana PATRASCU1, Cosmin MUSTACIOSU1, Gabriela VOICU2, Ioan URSU1, Catalin TUTA1</i> 2010 AACC Annual Meeting, Improving Healthcare through Laboratory Medicine, Anaheim, CA, July 25-29, 2010
215.	Preliminary tests regarding the endogenous and exogenous factors that induce book and document degradation <i>Catalina Mihaela Talasman, Constantin Stanciu, Daniela Manea, I.V. Moise</i> AI 14 lea Simpozion Internațional de chimia și tehnologia celulozei, Iași 8 – 10 septembrie 2010
216.	PRELUCRAREA STATISTICĂ A DATELOR EXPERIMENTALE. APLICAREA METODELOR ANALIZEI MULTIVARIATE LA INTERPRETAREA DATELOR EXPERIMENTALE (STUDIUL CHIHLIMBARULUI ROMÂNIT) M. Virgolici, M. Manea, E.S. Teodor Cel de al IX-lea Forum Anual ASIGURAREA CALITĂȚII MASURĂRILOR și Cel de al VII-lea Workshop Bioanaliza versus Biotehnologia, Bucuresti, 15 decembrie, 2010
217.	Present Opportunities and Future Perspectives for Experimental Nuclear Physics in Magurele <i>N. Marginean</i> "NEMEA-6: Exploring the frontiers of nuclear data and measurements, their uncertainties and covariances", Krakow, Poland, 25-28 October, 2010
218.	Primary energy reconstruction from the charged particle densities recorded with the KASCADE-Grande detector at 500 m distance from shower core <i>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I. F. Di Piero, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kachelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko, S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trinchero, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</i> Exotic Nuclei and Nuclear/Particle Astrophysics (III) : From Nuclei to Stars ; Carpathian Summer School of Physics, Sinaia, R, June 20 - July 3, 2010
219.	Primary energy reconstruction from the charged particle densities recorded with the KASCADE-Grande detector at 500 m distance from shower core

	<p>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I, F. Di Pierro, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kikelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trincherro, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</p> <p>22nd ECRS - European Cosmic Ray Symposium at the University of Turku, Finland, 3-6 August 2010</p>
220.	<p>Primary energy reconstruction from the charged particle densities recorded with the KASCADE-Grande detector at 500 m distance from shower core</p> <p>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I, F. Di Pierro, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kikelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trincherro, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</p> <p>Exotic Nuclei and Nuclear/Particle Astrophysics (III) : From Nuclei to Stars ; Carpathian Summer School of Physics, Sinaia, R, June 20 - July 3, 2010</p>
221.	<p>Production of alpha-particle condensate states in heavy-ion collisions</p> <p>Ad. R. Raduta, B. Borderie, N. LeNeindre, M. F. Rivet for the ISOSPIN collaboration</p> <p>2nd Workshop on "State of the Art in Nuclear Cluster Physics (SOTANCP2), Bruxelles (Belgium), May 25-28, 2010</p>
222.	<p>Pt L-shell ionization cross sections and projectile mean charge states in the 0.5 – 2.5 MeV/u 31P, 35Cl + Pt collisions</p> <p>C. Ciortea, D. Dumitriu, A. Enulescu, D. Fluersu, M. Gugiu, I. Piticu and A. Scafes</p> <p>24th International Conference on Atomic Collisions in Solids ICACS- 24, July 18-23, 2010, Kraków, Polonia, 2010</p>
223.	<p>Quality Assurance Applied in Internal Dosimetry for Intake Estimation in a Case Study of I-131 Ingestion using In-Vivo Assessment Data</p> <p>Mirela Angela Saizu</p> <p>Third European IRPA Congress, Helsinki, Finland, June 14-18, 2010.</p>
224.	<p>Quality Assurance Programme Implemented in the Whole Body Monitoring Laboratory from IFIN-HH Romania</p> <p>Mirela Angela Saizu</p> <p>IM2010 , "European Conference on Individual Monitoring of Ionizing Radiation" Atena, Grecia, March 7-13, 2010</p>
225.	<p>Quality control of radiopharmaceuticals using HPLC</p> <p>Ioana Patrascu, Dana Niculae, Catalin Tuta</p> <p>International Autumn School, Biophysics & Bioelectrochemistry for Medicine: Basic Concepts, New Techniques and Application Perspective, Vulcan, Romania, October 1-6, 2010</p>
226.	<p>Quantum decoherence and entanglement in two-mode open systems</p> <p>A. Isar</p> <p>Workshop on Decoherence in Quantum Dynamical Systems, Trento, Italy, April-May 2010</p>
227.	<p>Quantum entanglement and quantum discord in Gaussian open systems</p> <p>A. Isar</p> <p>Physics Conference TIM - 10, Timisoara, Romania, November 2010</p>
228.	<p>Quantum entanglement and quantum discord of two-mode Gaussian states in a thermal environment</p> <p>A. Isar</p> <p>42nd Symposium on Mathematical Physics: Quantum Channels, Quantum Information - Theory and Applications, Torun, Poland, June, 2010</p>
229.	<p>Quantum phase transitions in an 1D anharmonic chain with applications to nanophysics</p> <p>V. Barsan</p> <p>A 4-a Conferinta Nationala de Fizica Aplicata, Iasi, 19-20 Noiembrie 2010</p>
230.	<p>Quasi-elastic reactions : a survey on recent results</p> <p>S. Szilner, L. Corradi, C. A. Ur, G. Pollarolo, A. M. Stefanini, S. Beghini, S. Courtin, E. Farnea, E. Fioretto, b A. Gadea, F. Haas, D. Jelavic-Malenica, D. Lebhertz, S. M. Lenzi, S. Leoni, S. Lunardi, N. M. Marginean, R. Marginean, P. Mason, D. Mengoni, G. Montagnoli, D. Montanari, D. R. Napoli, F. Recchia, R. Silvestri, E. Sahin, M.-D. Salsac, N. Soić, F. Scarlassara, and J. J. Valiente-Dobon</p> <p>INTERNATIONAL SYMPOSIUM ON EXOTIC NUCLEI, Published in: AIP Conf. Proc. -- April 30, 2010 -- Volume 1224, pp. 185-194</p>
231.	<p>Radiation and health in Cacica salt mine, Romania</p> <p>Marian Romeo CĂLIN, Mihaela Antonina CALIN, Iuri (Ghe) SIMIONCA,</p> <p>A VIII-a Conferinta Nationala de Balneologie organizata de INRMFB, 5-6 Nov. 2010;</p>

232.	Radiation processing – A chance for the future of archives <i>I.V. Moise, C. Stanciu, S. Nisipeanu and Z. Bălan</i> International Conference of Physical Chemistry ROMPHYSICHEM 14th edition: June 2-4, 2010, Bucharest, Romania
233.	RADIATION PROCESSING FOR AUTOMOTIVE INDUSTRY <i>C.C. Ponta, S.C. Valeca, I.V. Moise</i> The XI Edition of International Congress on Automotive and Transport Engineering (CONAT 2010), Brasov, Romania, October 27-29, 2010
234.	Radioactive measurements in the Dej salt mine, Romania <i>Marian Romeo CĂLIN, Mihaela Antonina CALIN, Iuri (Ghe) SIMIONCA</i> A VIII-a Conferinta Nationala de Balneologie organizata de INRMFB, 5-6 Nov. 2010;
235.	Radioactivity levels of soil and vegetation around phosphogypsum stacks in Romania <i>A. Pantelica and E. Botezatu</i> International Symposium on In Situ Nuclear Metrology as a Tool for Radioecology (INSINUME 2010), 20-23 October 2010 in Dubna, Russia
236.	Radioactivity of environmental and nuclear reactor decommissioning samples by low background gamma-ray spectrometry <i>A. Pantelică, A. Stoichioiu, and M. Dragusin</i> The Third Annual International Conference on Sustainable Development through Nuclear Research and Education (Nuclear 2010), May, 26-28, Pitesti, Romania
237.	Radiological characterization of the VVR-S nuclear reactor block from Magurele-Romania <i>Evelina Ionescu, Daniela Gurau, Doru Stanga, Octavian Dului</i> 6th Workshop on European Collaboration for Higher Education and Research in Nuclear Engineering and Radiological Protection-CHERNE 2010, 7- 9 Iunie 2010, University of Coimbra, Coimbra, Portugal
238.	Radioprotection issues at ELI-Nuclear Physics (ELI-NP) PILLAR (oral) <i>Daniela Fluerasu</i> "Saftey and Radioprotection"-WP 6 - ELI-PP meeting, April 25-28, 2010, Salamanca, Spania, 2010
239.	Radioprotection issue at ELI-Nuclear Physics –an update <i>Daniela Fluerasu</i> "Saftey and Radioprotection"-WP 6 - ELI-PP meeting, July 1-3, 2010, Praga, Cehia, 2010
240.	Rare Decays in LHCb <i>LHCb Collab. //... M. Dima</i> Third Workshop on Theory, Phenomenology and Experiments in Heavy Flavour Physics, Capri, Italy, 5 - 7 Jul 2010
241.	Rare Phenomena Studies in High Energy Interactions at HERA and LHC <i>Marina Rotaru</i> Third High Energy Physics School in Măgurele, 2010
242.	REC cross sections and final state mean binding energies by integral X-ray measurements in the collisions of MeV/u ions on thin solid targets <i>C. Ciortea, D. Dumitriu, A. Enulescu, D. Fluerasu, M. Gugiu, I. Piticu and A. Scafes</i> 24th International Conference on Atomic Collisions in Solids ICACS- 24, July 18-23, 2010, Kraków, Polonia, 2010.
243.	RECEPTOR MEDIATED IMAGING APPLIED TO SENTINEL LYMPH NODE (RADIO)DETECTION <i>Dana NICULAE1, Ioana PATRASCU1, Ioannis Pirmettis3, Cosmin MUSTACIOSU1, Catalin TUTA1, Gabriela VOICU2</i> The Second International Workshop of the Romanian Society of Hadrontherapy, Paltinis, Sibiu, Romania, November 12-14, 2010
244.	RECEPTOR MEDIATED IMAGING APPLIED TO SENTINEL LYMPH NODE (RADIO)DETECTION <i>Dana Niculae, Ioana Patrascu, I. Pirmettis, C. Mustaciosu, C. Tuta, Gabriela Voicu</i> Conferinta Societatii Romane de Radioterapie și Zilele Medicale ale Institutului Oncologic "Prof. Dr. Alexandru Trestioreanu", Bucuresti, Romania, Noiembrie 18-20, 2010
245.	Receptor targeted lymphoscintigraphy using dextran macromolecule derivatives labelled with 99mTc: in vivo evaluation Dana Niculae, Ioana Patrascu, C. Tuta, R. Vasilache, C. Mustaciosu and Gabriela Voicu Conferinta Nationala de Fizica, Iasi, Romania, Septembrie 23-25, 2010
246.	Receptor Targeted Lymphoscintigraphy Using Dextran-Mannose Derivates <i>Dana NICULAE, Marina ILIESCU, Ioana PATRASCU, Cosmin MUSTACIOSU, Ioan URSU</i> Physics for Health in Europe Workshop, Towards a European roadmap for using physics tools in the development of diagnostics technologies and new cancer therapies, CERN, Switzerland, February 2-4, 2010
247.	Reconstruction of the Primary Energy from the S(500) Observable Recorded with the KASCADE-Grande Detector <i>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E.</i>

	<p><i>Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I. F. Di Pierro, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kickelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trinchero, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</i></p> <p>Frühjahrstagung DPG, Fachverband Teilchenphysik, Bonn, 15.-19.März 2010</p>
248.	<p>Refurbishment of the Tritium Laboratory from NIPNE Romania <i>Lidia Matei, C. Postolache</i> „9-th International Conference on Tritium Science and Technology TRITIUM 2010”, 24-29 octombrie 2010, Nara, Japonia</p>
249.	<p>Research and Applications in the Laboratory for Environmental and Personnel Dosimetry <i>A. Stochioiu, I. Tudor, A. Gheorghiu</i> Third European IRPA Congress, Helsinki, Finland, 14-18 June, 2010</p>
250.	<p>Research and development of environmental tritium modelling <i>D. Galeriu, A. Melintescu</i> 9th International Conference on Tritium Science and Technology, “TRITIUM 2010”, October, 24 – 29, 2010, Nara, Japan, follow to be published in Fusion Science and Technology</p>
251.	<p>Research reactor preparations for the air shipment of highly enriched uranium from Romania <i>K. J. Allen, I. Bolshinsky, L. L. Biro, M. E. Budu, N. V. Zamfir, M. Dragusin, C. Paunoiu, M. Ciocanescu</i> Proceedings of the Research Reactor Fuel Management Conference (RRFM-2010), Morocco, February 2010, ISBN 978-92-95064-10-2</p>
252.	<p>Restoring the Past - Preserving the Future by Nuclear Technologies <i>I. V. Moise, Ioana Stanculescu, C. Ponta,</i> 3rd Annual International Conference on Sustainable Development through Nuclear Research and Education (Nuclear 2010), Pitesti, Romania, May 26-28, 2010</p>
253.	<p>RESTORING THE PAST – PRESERVING THE FUTURE BY NUCLEAR TECHNOLOGIES <i>I.V.Moise, Ioana Stanculescu, C. Ponta</i> 3rd Intl. Conf. on Sustainable Development through Nuclear Research and Education (Nuclear 2010), Pitesti, Romania, May 26-28, 2010</p>
254.	<p>Results obtained in the measurement of Rn-222 with the Romanian standard system <i>M.Sahagia, A.Luca, A.C.Watjen, A.Antohe, C.Ivan, D.Stanga, C.Varlam, I.Faurescu, L.Toro, M.Noditi, P.Cassette</i> Third European IRPA Congress, Helsinki, Finland, 14-18 June 2010. Proc.ISBN 978-952-478-549 (print); -550 (pdf). Edita Prima OY, Helsinki, 2010</p>
255.	<p>Results on charged particle production from the ALICE experiment at LHC <i>Silvia Masciocchi for the ALICE Collaboration</i> XVIII International Workshop on Deep-Inelastic Scattering and Related Subjects April 19 -23, 2010, Convitto della Calza, Firenze, Italy</p>
256.	<p>Revision of experimental tritium data for farm animals <i>Anca Melintescu</i> Fourth Meeting of the EMRAS II Working Group 7 “Tritium Accidents”, Aix-en-Provence, France, 6 – 9 September 2010, available at http://ns-files.iaea.org/fileshare/files/emras/352/Melintescu_Expdatabase.pdf</p>
257.	<p>Ring recognition and electron identification in the RICH detector of the CBM experiment at FAIR <i>S. Lebedev, C. Höhne, G. Ososkov for the CBM collaboration</i> Journal of Physics: Conference Series, vol. 219 (2010) 032015</p>
258.	<p>Romanian Archaeological Amber Artefacts Characterisation Using Vibrational Spectroscopy and Multivariate Data Analysis <i>O. H. Barbu, E. D. Teodor, M. Virgolici, M. M. Manea, I. Petroviciu, E. S. Teodor</i> CMA4CH - Application of Multivariate Analysis and Chemometry to Cultural Heritage and Environment, Taormina, Sicily, Italy, September 26 - 29, 2010</p>
259.	<p>RUTHERFORD BACKSCATTERING SPECTROMETRY OF InN THIN FILMS <i>Burducea, M. Braic, V. Braic, L. S. Craciun, D. Dudu, C. Ionescu, M. Straticiu, I. Vata, C. N. Zoita, P. M. Racolta</i> CAARI 2010, Fort Worth Texas, 8-13 August 2010</p>
260.	<p>Search for New Physics in Heavy Quark Decays at LHCb <i>LHCb Collab. //... M. Dima</i> 9th International Conference on Hyperons, Charm and Beauty Hadrons, Perugia, Italy, 21 - 26 Jun 2010</p>
261.	<p>Search for rare decays at LHCb with 0.2 and 1.0 fb⁻¹ <i>LHCb Collab. //... M. Dima</i> 22nd Rencontres de Blois on "Particle Physics and Cosmology", Blois, Loire Valley, France, 15 - 20 Jul 2010</p>

262.	Self-consistent description of coexistence phenomena in medium mass nuclei <i>A. Petrovici</i> Carpathian Summer School of Physics (CSSP10), Sinaia, June 18-30, 2010
263.	Self-consistent description of shape coexistence in the A~100 Zr nuclei <i>A. Petrovici</i> International Nuclear Physics Conference (INPC2010), Vancouver, Canada, July 4-9, 2010
264.	Sensitivity of KASCADE-Grande data to hadronic interaction models <i>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I, F. Di Pierro, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kickelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trinchero, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</i> 16th Internat.Symp.on Very High Energy Cosmic Ray Interactions (ISVHECRI 2010), Batavia, Batavia, Ill., June 28 - July 2, 2010
265.	Short Laser Pulse Propagation in Nonlinear Media. From NLSE to SPE <i>Alexandru Grecu and Dan Grecu</i> 7th Spring School and Workshop on QFT and Hamiltonian Systems, Craiova-Calimanesti, Romania, May 10-15, 2010
266.	Silicon carbide thin films as nuclear ceramic grown by laser ablation <i>Mihaela Filipescu, Gihan Velisa, Valentin Ion, Andreea Chis, Nicolae Scintee, Paul Ionescu, Dan Pantelica, Maria Dinescu</i> E-MRS Spring Meeting 2010, June, 7-11, Strasbourg, France (poster presentation)
267.	Simple interpretations of the 0+ states in 192Pt-194Pt <i>S. Pascu, N. V. Zamfir and Gh. Cata-Danil</i> 7th International Balkan School on Nuclear Physics, Antalya (Adrassan), September 15-22, 2010.
268.	Simple systematics for α-decay half-lives of superheavy nuclei <i>I. Silisteanu, A. I. Budaca, A. O. Silisteanu and C. I. Anghel</i> 4th National Conference on Theoretical Physics (NCTP 2010) , Iasi, Romania, June 23-25, 2010, Journal of Advanced Research in Physics Vol. 1 (2010) No. 2
269.	Small angle neutron scattering analysis of ferrofluid based elastomer microstructure <i>M.Balasoiu, I.Bica, V.T. Lebedev, L.Almasy, A.I.Kuklin</i> International Conference on Magnetic Fluids ICMF12, 1-4 August 2010, Senday, Japan
270.	Sn-113, measurement of gamma ray emissions and data evaluation <i>Aurelian Luca</i> Workshop DDEP 2010: Training sessions of the Decay Data Evaluation Project, Madrid, Spain, June 9-11, 2010
271.	Software releases management for TDAQ system in ATLAS experiment <i>A. Kazarov, M. Caprini, R. Hauser, I. Soloviev</i> 5th International Conference on Software and Data Technologies (ICSOFT 2010), Athens, Greece, July 22-24, 2010
272.	Some results of Cacica and Dej salt mines underground environment study, with speleoterapeutic and tourism balneoclimatic potential and its resorts effect on experimental induced pathology – bronchial asthma <i>Iu. Simionca, M. Hoteteu, L. Enache, M. R. Calin, I. Bunescu, Ghe. Stoian, D. Ciotaru, C. Munteanu, C. Sturzoiu, A. Munteanu, D. Munteanu, M. Dobre, M. Surcel, C.Zup, I letcu, N. Grudnicki, I. Dincu</i> A VIII-a Conferinta Nationala de Balneologie cu participare internationala, Bucuresti, Romania, 5 – 6 Nov. 2010, pct.16 – 20.
273.	Spectroscopia de vibratie cu transformata Fourier utilizata la caracterizarea pigmentilor din pictura Mihaela Manea SESIUNEA DE COMUNICARI A TINERILOR CERCETATORI DIN IFIN-HH 2010, Magurele, 20 Decembrie, 2010
274.	Spectroscopic studies with the PRISMA-CLARA set-up <i>Fioretto E, Bazzacco D, Beghini S, Corradi L, de Angelis G, Farnea E, Gadea A, Lenzi SM, Lunardi S, Mason P, Mengoni D, Montagnoli G, Napoli DR, Sahin E, Scarlassara F, Silvestri R, Stefanini AM, Ur CA, Valiente-Dobon JJ, Pollarolo G, Szilner S, Marginean N</i> XVIII INTERNATIONAL SCHOOL ON NUCLEAR PHYSICS, NEUTRON PHYSICS AND APPLICATIONS Book Series: Journal of Physics Conference Series Volume: 205 Published: 2010
275.	Spectroscopy of transfermium nuclei using the GABRIELA set up at the focal plane of the VASSILISSA recoil separator <i>Hauschild K., Lopez-Martens A., Dorvaux O., Piot J., Curien D., Gall B., Yerebin A.V., Chelnokov M.L., Chepigin V.I., Isaev A.V., Izosimov I.N., Kabachenko A.P., Katrasev D.E., Kuznetsov A.N., Malyshev O.N., Popeko A.G., Sokol E.A., Svirikhin A.I., Wiborg-Hagen T., Nyhus H.T., Siem S., Drafta, G., Pantelica D., Scintee N., Gorgen A., Kutsarova T., Mullins S., Saro S.</i> TOURS SYMPOSIUM ON NUCLEAR PHYSICS AND ASTROPHYSICS - VII; Kobe, JAPAN, NOV 16-20, 2009; Book Series:

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276.	Status of LHCb <i>LHCb Collab. //... M. Dima</i> Hadron Collider Physics Symposium 2010, Toronto, Ontario, Canada, 23 - 27 Aug 2010
277.	Status of the RPC prototypes and In-beam tests preparations at NIPNE - Bucharest <i>M. Petrovici et al.</i> 15th CBM Collaboration Meeting, April 12 - 16 , 2010, GSI, Darmstadt. https://www.gsi.de/documents/DOC-2010-Apr-132-1.pdf
278.	Status of two-dimensions position sensitive TRD prototypes <i>M. Petris et al.</i> 16th CBM Collaboration Meeting, September 27 – October 1 , 2010, Mamaia, Romania https://indico.gsi.de/contributionDisplay.py?contribId=33&sessionId=33&confId=1049
279.	Structure and Magnetic Properties of Nanosized Magnetite Obtained by Glass Recrystallization <i>V. Sandu, M.S. Nicolescu, V. Kuncser, S. Popa, I. Pasuk, E. Sandu</i> 5th International Conference on Surfaces, Coating and Nanostructured Materials NANOSMAT- 5 - , October 18-22, Reims, Franta
280.	Studies for Romanian archaeological gold identification using micro-SR-XRF and micro-PIXE D. Cristea-Stan, B. Constantinescu, A. Vasilescu, M. Radtke, U. Reinholz, G. Popescu, A. Neacsu, D. Ceccato European Conference on X-Ray Spectrometry (EXRS 2010), 20 – 25 June 2010, Figueira da Foz, Coimbra, PORTUGAL, http://exrs2010.fis.uc.pt/index.php
281.	studies for π^\pm, K^\pm, p & p @ 900 GeV p + p collision <i>C. Andrei, I. Berceanu, A. Bercuci, A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua</i> 29 June 2010 – ALICE Week, CERN-Geneva, http://indico.cern.ch/getFile.py/access?contribId=7&resId=0&materialId=slides&confId=99112
282.	studies for π^\pm, K^\pm, p & p @ 900 GeV p + p collision <i>C. Andrei, I. Berceanu, A. Bercuci, A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua</i> ALICE WEEK, 22 March 2010 - 26 March 2010, PWG2, CERN http://indico.cern.ch/getFile.py/access?contribId=9&resId=0&materialId=slides&confId=88304
283.	studies for π^\pm, K^\pm, p & p @ 900 GeV p + p collision <i>C. Andrei, I. Berceanu, A. Bercuci, A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua</i> ALICE PHYSICS WEEK, 17 May 2010 - 21 May 2010, Paris http://indico.cern.ch/getFile.py/access?contribId=9&resId=0&materialId=slides&confId=93788
284.	Studies on mean pt as a function of mass for pions, kaons and protons in pp collisions at 900 GeV <i>C. Andrei, I. Berceanu, A. Bercuci, A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua</i> ALICE WEEK, 28 June 2010 - 02 July 2010, PWG2, CERN, http://indico.cern.ch/getFile.py/access?contribId=7&resId=0&materialId=slides&confId=99112
285.	Study of neutrino interactions using the GENIE event generator <i>Daniela Chesneanu, for the Romanian team of LAGUNA Collaboration</i> Technische Universität München, Physik-Department, 2010
286.	Study of the effects of neglecting or considering the Rayleigh scattering in Monte Carlo simulation codes applied for the measurement of large volume samples M. Toma, O. Sima, C. Cristache, L. Done SESIUNEA ȘTIINȚIFICĂ ANUALĂ A FACULTĂȚII DE FIZICĂ 18 Iunie 2010
287.	Study of the longitudinal development of extensive air showers with the Muon Tracking Detector in KASCADE-Grande <i>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I. F. Di Pierro, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kickelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trinchero, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</i> 16th Internat.Symp.on Very High Energy Cosmic Ray Interactions (ISVHECRI 2010), Batavia, Batavia, Ill., June 28 - July 2, 2010
288.	Sub-wavelength plasmon solitons in 1-D arrays of coupled metallic nanowires <i>F. Ye, B. Hu, D. Mihalache, and N. C. Panoiu</i> Quantum Electronics and Laser Science Conference, OSA Technical Digest (CD) (Optical Society of America, 2010), paper QMD6.
289.	Sugestions for modeling approach and tecdoc content D Galeriu Third Meeting of EMRAS II Working Group 7 "Tritium" Accidents, Vienna, Austria, 25 - 29 January 2010

290.	Surprises in Noncommutative Dynamics <i>C.S. Acatrinei</i> 7th International Spring School and Workshop " Quantum Field Theory & Hamiltonian Systems", 10-15 May 2010, Calimanesti-Caculata, ROMANIA
291.	Synthesis of ⁶⁸Ga-DOTA VIP Dana Niculae, Ioana Patrascu, Valeria Lungu, I. Ursu, Marina Iliescu, C. Tuta and A. Antohe Conferinta Nationala de Fizica, Iasi, Romania, Septembrie 23-25, 2010
292.	Targeted Radionuclide Therapy (TRT) in Oncology, based on Radiolabelled Peptides and Antibodies Dana Niculae, Rodica Anghel, Valeria Lungu, Iuliana Gruia, Lorelei Brasoveanu, Valentina Negoita, Ioana Patrascu The Second International Workshop of the Romanian Society of Hadrontherapy, Paltinis, Sibiu, Romania, November 12-14
293.	Targeted Radiotherapy of Cancer Using Anti-Epidermal Growth Factor Monoclonal Antibody Radiolabelled with ¹⁷⁷Lu <i>Dana Niculae, Valeria Lungu, Rodica Anghel, Iuliana Gruia, Marina Iliescu, Ioana Patrascu, Ioan Ursu</i> Physics for Health in Europe Workshop, Towards a European roadmap for using physics tools in the development of diagnostics technologies and new cancer therapies, CERN, Switzerland, February 2-4, 2010
294.	Test on TRD Front End Prototype Chip <i>A.Caragheorgheopol, D.Bartos, V.Catanescu</i> CBM FEE/DAQ Workshop, Febr.22nd-23rd 2010, GSI, Germany
295.	Tests and measurements for radioactive material transport and storage packages <i>Georgeta Iancso</i> PATRAM2010 (Packaging and Transport of Radioactive Materials), 3-8 oct.2010, International Maritim Institute, London, England
296.	Tests on TRD Front End Prototype Chip <i>A.Caragheorgheopol, D.Bartos, V.Catanescu.</i> CBM FEE / DAQ Workshop, Feb.22nd-23rd 2010, GSI
297.	The advantages of the INAA technique in the analysis of elemental composition of biomaterials <i>Ioana Manea-Grigore, Em. Cincu</i> a 4-a Conferinta Internationala Biomaterials, Tissue Engineering & Medical Devices. BiomMedD-2010
298.	The cosmic ray energy spectrum in the range 1016 - 1018 eV measured by KASCADE-Grande <i>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I, F. Di Piero, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kickelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trinchero, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</i> 22nd ECRS - European Cosmic Ray Symposium at the University of Turku, Finland, 3-6 August 2010
299.	The FOPI Experiment at GSI-SIS (pdf:transparencies) <i>O.N. Hartmann (for the FOPI Collaboration)</i> Presented at the 60th Annual Meeting of the Austrian Physical Society; University Salzburg, Austria, september 10th, 2010
300.	The influence of the nuclear reactor decommissioning to the environment <i>Daniela Gurau</i> Alexander von Humboldt Conference (Humboldt Kolleg), cu tema Knowledge, Culture, Science, the Fundament of Quality of Life in Society, Universitatea Politehnica și Universitatea de Vest din Timisoara, 23-28 Noiembrie 2010
301.	The integrated graphical user interface of the trigger and data acquisition system of the ATLAS experiment at the LHC <i>G. Avolio, M. Caprini, G. Lehmann Miotto</i> Conference on Computing in High Energy and Nuclear Physics 2010, Taipei, Taiwan, 18 - 22 Oct 2010
302.	The investigation of the hadronic interaction models by muon flux and charge ratio measurements with the WILLI detector <i>B. Mitrica, I.M. Brancus, H. Rebel, O. Sima, M. Petcu, A. Haungs, A. Saftoiu, G. Toma and M. Duma</i> 16th Internat.Symp.on Very High Energy Cosmic Ray Interactions (ISVHECRI 2010), Batavia, Batavia, Ill., June 28 - July 2, 2010
303.	The KASCADE-Grande Experiment <i>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I, F. Di Piero, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kickelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trinchero, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</i>

	Acoustic and Radio EeV Neutrino detection Activities (ARENA) Nantes, France, 29 June - 02 July 2010
304.	<p>The KASCADE-Grande experiment: measurements of the all-particle energy spectrum of cosmic rays <i>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I. F. Di Pierro, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kickelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trinchero, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</i> 16th Internat.Symp.on Very High Energy Cosmic Ray Interactions (ISVHECRI 2010), Batavia, Batavia, Ill., June 28 - July 2, 2010</p>
305.	<p>The LHCb Silicon Tracker, first operational results <i>LHCb Collab. //... M. Dima</i> International Instrumentation and Measurement Technology Conference, Austin, United States Of America, 3 - 6 May 2010</p>
306.	<p>The LHCb Trigger <i>LHCb Collab. //... M. Dima</i> 35th International Conference on High Energy Physics, Paris, France, 22 - 28 Jul 2010</p>
307.	<p>The LOPES experiment – recent results, status and perspectives <i>W.D. Apel, J.C. Arteaga, T. Asch, L. Bähren, K. Bekk, M. Bertaina, P.L. Biermann, J. Blümer, b, H. Bozdog, I.M. Brancus, P. Buchholz, S. Buitink, E. Cantoni, i, A. Chiavassa, K. Daumiller, V. de Souza, 2, P. Doll, R. Engel, H. Falcke, M. Finger, D. Fuhrmann, H. Gemmeke, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, A. Horneffer, D. Huber, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, O. Krömer, J. Kuijpers, S. Lafebre, K. Link, P. Luczak, M. Ludwi, H.J. Mathes, M. Melissas, C. Morello, S. Nehls, J. Oehlschläger, N. Palmieri, T. Pierog, J. Rautenberg, H. Rebel, M. Roth, C. Rühle, A. Saftoiu, H. Schieler, A. Schmidt, F.G. Schröder, O. Sima, G. Toma, G.C. Trinchero, A. Weindl, J. Wochele, M. Wommer, J. Zabierowski and J.A. Zensus</i> Acoustic and Radio EeV Neutrino detection Activities (ARENA) Nantes, France, 29 June - 02 July 2010</p>
308.	<p>The LOPES Experiment <i>W.D. Apel, J.C. Arteaga, T. Asch, L. Bähren, K. Bekk, M. Bertaina, P.L. Biermann, J. Blümer, b, H. Bozdog, I.M. Brancus, P. Buchholz, S. Buitink, E. Cantoni, i, A. Chiavassa, K. Daumiller, V. de Souza, 2, P. Doll, R. Engel, H. Falcke, M. Finger, D. Fuhrmann, H. Gemmeke, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, A. Horneffer, D. Huber, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, O. Krömer, J. Kuijpers, S. Lafebre, K. Link, P. Luczak, M. Ludwi, H.J. Mathes, M. Melissas, C. Morello, S. Nehls, J. Oehlschläger, N. Palmieri, T. Pierog, J. Rautenberg, H. Rebel, M. Roth, C. Rühle, A. Saftoiu, H. Schieler, A. Schmidt, F.G. Schröder, O. Sima, G. Toma, G.C. Trinchero, A. Weindl, J. Wochele, M. Wommer, J. Zabierowski and J.A. Zensus</i> CRIS 2010: Cosmic Ray International Seminar "100 years of Cosmic Ray Physics: from pioneering experiments to physics in space" 13-17 September 2010 Palazzo dei Chierici, Catania (Italy)</p>
309.	<p>The measurement of the absorbed dose in human tissue that underwent irradiation with ionizing radiation <i>S.Bercea, A. Nikolic, C.Cenusa and A.Celarel</i> 13 th IMEKO TC 1 TC 7 Joint Symposium</p>
310.	<p>The Measurement of the Cosmic Ray Primary Energy Spectrum at 10^{16}-10^{18} eV with the KASCADE-Grande Experiment <i>W.D. Apel, J.C. Arteaga, F. Badea, K. Bekk, M. Bertaina, J. Blümer, H. Bozdog, I.M. Brancus, M. Brüggemann, P. Buchholz, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumiller, V. de Souza, I. F. Di Pierro, P. Doll, R. Engel, J. Engler, M. Finger, D. Fuhrmann, P.L. Ghia, H.J. Gils, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kickelbick, H.O. Klages, P. Luczak, H.J. Mathes, H.J. Mayer, B. Mitrica, C. Morello, G. Navarra, S. Nehls, J. Oehlschläger, S. Ostapchenko S. Over, M. Petcu, T. Pierog, H. Rebel, M. Roth, H. Schieler, F. Schröder, O. Sima, M. Stümpert, G. Toma, G.C. Trinchero, H. Ulrich, A. Weindl, J. Wochele, M. Wommer and J. Zabierowski</i> CRIS 2010: Cosmic Ray International Seminar "100 years of Cosmic Ray Physics: from pioneering experiments to physics in space" 13-17 September 2010 Palazzo dei Chierici, Catania (Italy)</p>
311.	<p>The Measurement of the Natural Radiation in a Salt-Mine <i>A. Stochioiu, S. Bercea, M. Sahagia, C. Ivan, I. Tudor, A. Celarel</i> Third European, IRPA Congress Helsinki, Finland, 10-18 June, 2010</p>
312.	<p>The measuring of the absorbed dose in human tissue that underwent irradiation with ionizing radiation <i>S.Bercea, A.Nikolic, C.Cenusa and A.Celarel</i> 13 th IMEKO TC 1-TC7 Joint Symposium</p>
313.	<p>The primary Romanian radon standard, a common project: IFIN-HH, Bucharest; ICSI, Rm.Valcea; ISP, Timi soara; CEALNE-LNHB, Saclay (France) <i>M.Sahagia, A. Luca, A.C.Watjen, A.Antohe, C.Ivan, D.Stanga, C.Varlam, I.Faurescu, L.Toro, M.Noditi, Ph. Cassette</i> ICSI Rm. Valcea, 18 Octombrie 2010, Progress of Cryogenics and Isotopes Separation 13,1 (2010)113-129</p>
314.	<p>The Purification and the Quality Control of ^{68}Ga Eluate <i>Ioana Patrascu, Dana Niculae, Valeria Lungu, I. Ursu, Marina Iliescu, C. Tuta and A. Antohe</i> 2010 Annual Scientific Conference, Magurele, Romania, June 18, 2010</p>

315.	The response function of a HPGe detector used in assays of radioactive waste drums using Monte Carlo simulation <i>Daniela Gurau, Octavian Sima</i> 6th Workshop on European Collaboration for Higher Education and Research in Nuclear Engineering and Radiological Protection-CHERNE 2010, 7- 9 Iunie 2010, University of Coimbra, Coimbra, Portugal
316.	The simulations of muon charge ratio in EAS as observed by WILLI detector <i>B. Mitrica, I.M. Brancus, O. Sima, H. Rebel, M. Petcu, A. Haungs, M. Petre, A. Saftoiu, G. Toma and M. Duma</i> 22nd ECRS - European Cosmic Ray Symposium at the University of Turku, Finland, 3-6 August 2010
317.	The study of Romanite (Romanian amber), through the multivariate data analysis interpretation of thermal desorption/gas chromatography/mass spectrometry and Raman spectroscopy data <i>M. Virgolici, C.C. Ponta, M.M. Manea, M. Cutrubinis, D. Negut, R. Suvaila</i> Simpozionul National de Arheometrie, Bucuresti, Romania, 28-29 octombrie, 2010
318.	The universality of the heat transport in quasi one-dimensional systems extends the concept of thermodynamic equivalence <i>Dragos-Victor Anghel</i> Workshop on Dynamics of Strongly Correlated Quantum Systems, Trieste, Italy, June 21-25, 2010
319.	The use of tritium resulting from nuclear activities as environmental tracer <i>Corina Anca Simion, Elena Simion, Niculina Paunescu, Nicolae Mocanu, Salma El-Shamali, Stefan Burda, Manta Tanislav, Dan D. Ionescu</i> 10th International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, Chicago, Illinois, USA, June 14-18, 2009
320.	Theoretical study of a nuclear jet engine for the propulsion of airplanes <i>Bogdan MITRICA, Virgil STANCIU, Marian PETRE, Mihai Octavian DIMA and Carmelia PETRE</i> The 6th International Colloquium "Mathematics in Engineering, Numerical Physics and Complexity" , 8 oct 2010, Bucharest, Romania
321.	THEORETICAL STUDY OF A NUCLEAR JET ENGINE <i>Bogdan Mitrica, Virgil Stanciu, Marian Petre, Mihai Octavian Dima, Carmelia</i> International Balkan Workshop on Applied Physics IBWAP 2010, CONSTANTA
322.	Thermodynamical Aspects of Nuclear Multifragmentation <i>Al.H.Raduta</i> Die Rolle und Bedeutung umweltfreundlicher Technologien und regionaler Ressourcen bei Bewältigung der Energieprobleme in der Türkei und in der Europäischen Union" Universitatea Yildiz Istanbul 21 - 24 Octombrie 2010.
323.	Thermodynamics of the crust-core transition in (proto)neutron stars <i>F. Gulminelli and Ad. R. Raduta</i> International Symposium on Nuclear Symmetry Energy, RIKEN, Wako (Japan), July 26-28, 2010
324.	The measuring of the absorbed dose in human tissue that underwent irradiation with ionizing radiation <i>S.Bercea, A.Nikolic, C.Cenusa and A.Celarel</i> 13 th IMEKO TC1 TC7 Joint Symposium
325.	Time dependent approach to the transition of the fissioning nucleus from saddle to scission <i>M. Rizea, N. Carjan</i> THEORY-1: Scientific Workshop on Nuclear Fission dynamics and the Emission of Prompt Neutrons and Gamma Rays, Sinaia, Romania, September 27-29, 2010
326.	Time evolution of continuous variable entanglement in open quantum systems <i>A. Isar</i> AIP Conference Proceedings of the Carpathian Summer School of Physics on Exotic Nuclei and Nuclear/Particle Astrophysics (III), Sinaia, Romania, June-July 2010 (2010, Volume 1304, Pages 449-453)
327.	Tools for High Energy Physics <i>Gabriel Stoicea</i> Third High Energy Physics School in Magurele, IFIN-HH, Magurele-Bucharest. October 21-23, 2010
328.	Tools for High Energy Physics <i>Gabriel Stoicea</i> Trans-European School of High Energy Physics 2010, Olympic Complex "Sydney 2000", Izvorani Village, Ilfov County, Romania, July 7-14, 2010
329.	Toward a high granularity, high counting rate differential readout RPC <i>D. Bartos, G. Caragheorgheopol, M. Petris, M. Petrovici, V. Simion, I. Deppner, K. Doroud, N. Herrmann, M. Kiss, P. Loizeau, Y. Zhang, M.C.S. Williams</i> X Workshop on Resistive Plate Chambers and Related Detectors, GSI Darmstadt, February 9 - 12, 2010. http://www-aix.gsi.de/conferences/rpc2010/present/701.pdf

330.	Track reconstruction algorithms for the CBM experiment at FAIR <i>Andrey Lebedev, Claudia Höhne, Ivan Kisel, Gennady Ososkov for the CBM collaboration</i> Journal of Physics: Conference Series, vol. 219 (2010) 032048
331.	Transport Mechanisms in CdS Thin Films Before and After Irradiation with High Energy Protons V. Ghenescu, L. Ion, G. Velisa, S. Iftimie, M. Ghenescu, O. Porumb, I. Stan, M. Gigu, H. Alexandru, S. Antohe 11th International Balkan Workshop on Applied Physics, July 7-9 2010, Constanta Romania, Book of Abstract, S5 OP01, pg. 124, July 8
332.	Tritium Reactors' Accidents – Concern or Not <i>D. Galeriu, A. Melintescu</i> The 1st CS on Generic Assessment Procedures for Determining Protective Actions during a CANDU reactor accident, 8 - 12 March 2010, Vienna, Austria
333.	TRPV1 role in diabetic neuropathy evaluated in a double transgenic diabetic mice Radu B.M., Iancu A.D., Radu D.L., Radu M. 7th FENS Forum of European Neuroscience, July 3-7, 2010, Amsterdam, The Netherlands
334.	Two component long wave-short wave resonant interaction in a Madelung fluid description <i>Anca Visinescu, D. Grecu, R. Fedele, S. De Nicola</i> 7-th Spring School and Workshop on QFT and Hamiltonian Systems, Calimanesti, May 10-15, 2010
335.	Ultra low radiation background LSC measurements in a salt mine: feasibility study <i>Corina Anca Simion, Niculina Paunescu, Nicolae Mocanu, Romeo Calin, Sorin Bercea, Bogdan Mitrica</i> 10th International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, Chicago, Illinois, USA, June 14-18, 2009
336.	Updated AQUATRIT as for users <i>Anca Melintescu</i> Fourth Meeting of the EMRAS II Working Group 7 "Tritium Accidents", Aix-en-Provence, France, 6 – 9 September 2010 (Tuesday, 7 September 2010, 11.00 – 12.30), available at http://ns-files.iaea.org/fileshare/files/emras/352/Melintescu_UPDATEDAQUATRITASFORUSERS.ppt
337.	Use of Pre ceramic Polymers for Magnesium Diboride Composites <i>V. Sandu, G. Aldica, S. Popa, P. Badica, E. Cimpoiasu, E. Sandu, S. B. Vasile, N. Hurduc and I. Nor</i> IUPAC 6 th International Symposium on Novel Materials and Synthesis (NMS-VI)&20 th International Symposium on Fine Chemistry and Functional Polymers (FCFP - XX), October 10-15, 2010, Wuhan, China
338.	User approach of expanded MAGENTC for animals; parsimonious modelling trials and discussions <i>Anca Melintescu</i> Third Meeting of EMRAS II Working Group 7 "Tritium Accidents", Vienna, Austria, 25-29 January 2010 (Tuesday, 26 January 2010, 14:00-15:30), available at http://www-ns.iaea.org/downloads/rw/projects/emras/emras-two/first-technical-meeting/second-working-group-meeting/working-group-presentations/workgroup7-presentations/presentation-wg7-magentc-3rd-mtg.pdf
339.	USING NUCLEAR TECHNIQUES FOR THE CHARACTERIZATION AND PRESERVATION OF CULTURAL HERITAGE ARTIFACTS, ROMANIA – COUNTRY REPORT <i>C.C. Ponta, Rodica Antonescu</i> IAEA RER 8015 Regional Planning and Coordination Meeting, St Julian's , Malta, September 6-9, 2010
340.	Vergleich von LOPES-Messungen des Radiosignals von Luft- schauern mit REAS3-Simulationen <i>W.D. Apel, J.C. Arteaga, T. Asch, L. Bähren, K. Bekk, M. Bertaina, P.L. Biermann, J. Blümer, b, H. Bozdog, I.M. Brancus, P. Buchholz, S. Buitink, E. Cantoni, i, A. Chiavassa, K. Daumiller, V. de Souza, 2, P. Doll, R. Engel, H. Falcke, M. Finger, D. Fuhrmann, H. Gemmeke, C. Grupen, A. Haungs, D. Heck, J.R. Hörandel, A. Horneffer, D. Huber, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, O. Krömer, J. Kuijpers, S. Lafebre, K. Link, P. Luczak, M. Ludwi, H.J. Mathes, M. Melissas, C. Morello, S. Nehls, J. Oehlschläger, N. Palmieri, T. Pierog, J. Rautenberg, H. Rebel, M. Roth, C. Rühle, A. Saftoiu, H. Schieler, A. Schmidt, F.G. Schröder, O. Sima, G. Toma, G.C. Trinchero, A. Weindl, J. Wochele, M. Wommer, J. Zabierowski and J.A. Zensus</i> Frühjahrstagung DPG, Fachverband Teilchenphysik, Bonn, 15.-19.März 2010
341.	Waste acceptance criteria in IFIN-HH facilities <i>F. Dragolici, Gh. Rotarescu, Gh. Dogaru, C. Turcanu, I. Paunica, L.Ionascu</i> Dezvoltarea și aplicarea criteriilor de acceptare pentru coletele cu deseuri radioactive", 22-24 Noiembrie 2010, Pitetsi, organizatori ANDR și IAEA
342.	What did we learn from dissipative processes in light ion collisions? Mihai Petrovici, Ionela Berceanu, Amaila Pop, Victor Simion Giovanni Raciti - International Memorial Meeting, Catania - Italia, 1 Februarie 2010, http://agenda.ct.infn.it/getFile.py/access?resId=0&materialId=poster&confId=258
343.	Wound dressings – biocompatibility testing in vitro M. Radu, D. Savu, P. Stanciu C-G. Braga, I. Petcu. 4th International Conference 'Biomaterials, Tissue Engineering & Medical Devices' BiomMedD'2010, 23-25 september, 2010,

	Sinaia, Romania
344.	Wound dressings - biocompatibility testing in vitro Mihai Radu, Diana Savu, P.Stanciu, C-G Braga, Ileana Petcu Conferinta Filialei Bucuresti a Societatii Romane de Biofizica Pura și Aplicata , 27 noiembrie, Bucuresti, 2010
345.	WP18: FutureGas - Detector and electronics development for large-area low-mass self-triggered gaseous detectors Mihai Petrovici Hadron Physics 2 - Collaboration Committee Meeting, Paris, 16-17 Septembrie 2010, http://www.hadronphysics2.eu/collaboration-committee-meeting/agenda.html
346.	XRF and micro-SR-XRF studies for Dacian gold jewelry authentication B. Constantinescu, A. Vasilescu, M. Radtke, U. Reinholz European Conference on X-Ray Spectrometry (EXRS 2010), 20 – 25 June 2010, Figueira da Foz, Coimbra, PORTUGAL, http://exrs2010.fis.uc.pt/index.php

Anexa 11: Studii prospective și tehnologice, normative, proceduri, metodologii și planuri tehnice, noi sau perfecționate, comandate sau utilizate de beneficiar.

1.	Servicii de consultanta in probleme de mediu - Elaborarea studiului privind evaluarea conformitatii standardului canadian CAN CSA-N-288.1-08 cu Normativele din Comunitatea Europeana și recomandările Agentiei Internationale pentru Energie Atomica privind calculul Limitelor Derivate de Evacuare pentru tritiu și C-14	Dezvoltarea unei noi metodologii pentru limitele derivate de emisie pentru H-3 și C-14, la centralele CANDU din Romania, pe baza analizei critice a documentatiei recente canadiene și AIEA.	<i>D. Galeriu, A. Melintescu, D. Slavnicu</i>
2.	Romanian Atmospheric 3D Observatory	Dezvoltarea sistemului operational meteorologic al IFIN-HH, pe baza unei instrumentatii avansate și dezvoltarea codurilor necesare pentru operarea și prelucrarea automata, fără supraveghere, a datelor privind caracteristicile locale ale atmosferei.	<i>D. Galeriu, A. Melintescu, M. Duma, B. Zorila, D. Jianu</i>
3.	<i>Studiu prospectiv - Caracerizari de radioactivitate la mina salina Cacica - 2010</i>	<i>Studiu complex medico-biologic in vederea utilizarii inovative a factorilor potential terapeutici de mediu din saline și pesteri in sanatate și turism balneoclimatic; soluții de modelare a acestora (CEFACTERMEDSUB) Nr. contract PNCDI II: 10436/42-120.</i>	<i>M R Calin</i>
4.	<i>Studiu prospectiv - Caracerizari de radioactivitate la mina salina Dej-2010</i>	<i>Studiu complex medico-biologic in vederea utilizarii inovative a factorilor potential terapeutici de mediu din saline și pesteri in sanatate și turism balneoclimatic; soluții de modelare a acestora (CEFACTERMEDSUB) Nr. contract PNCDI II: 10436/42-120.</i>	<i>M R Calin</i>
5.	<i>Studiu prospectiv - Caracerizari de radioactivitate la mina salina Turda - 2010</i>	<i>Studiu complex medico-biologic și a radiatiei slabe in vederea utilizarii inovative a factorilor potential terapeutici de mediu din saline și pesteri in sanatate și turism balneoclimatic; soluții de modelare a acestora, Contr. Nr. 1050133/28 06 2010</i>	<i>M R Calin</i>
6.	<i>Studiu prospectiv de analiza spectrometrica pe probe de sol-2010</i>	<i>Universitatea Bucuresti, Fac. de Geologie- Geofizica, Contr. Nr. 1050146/06 12 2010.</i>	<i>M R Calin</i>
7.	Final report of work done in Romania on corrosion of research reactor aluminium-clad spent fuel in water (Phase II) <i>IFIN-HH, SCN Pitesti</i>	Studiu a fost solicitat și a rezultat in urma contractului intre AIEA-Viena și IFIN-HH Nr. 11967/Regular Budget Fund (RBF). Studiul a fost utilizat la intocmirea a TECDOC-1637, IAEA, care a aparut in decembrie 2009 cu titlul "Corrosion of Research Reactor Aluminium Clad Spent Fuel in Water"	<i>A. Zorliu, C. Dragolici, E. Neacsu - IFIN-HH M. Roth, M. Tunaru, L. Velcin, V. Ionescu - SCN Pitesti</i>
8.	Update of the ongoing comparison BIPM.RI(II)-K1.Co-60 including activity measurements of the radionuclide Co-60 for the IFIN-HH (Romania), NIST (USA) and the BEV (Austria)	METROLOGIA 47 (2010) (Technical Supplement 06010) http://iopscience.iop.org/0026 - 1394	<i>C. Michotte, S. Courte, G. Ratel, M. Sahagia, A.C.Watjen, F. Fitzgerald, F.-J. Maringer</i>
9.	Results of the IFIN-HH (Romania), KRISS (Republic of Korea), CMI (Czech Republic) and BEV (Austria) in the BIPM comparison BIPM.RI(II)-K1.I-131 of activity measurements of the radionuclide I-131	METROLOGIA 45(2008)(Technical supplement 06007) http://iopscience.iop.org/0026 - 1394	<i>G. Ratel, C. Michotte, M. Sahagia, T.S. Park, P. Dryak, J. Sochorova, F. Maringer, M. Kreuziger.</i>
10.	Update of the BIPM comparison BIPM.RI(II)-K1.Ba-133 of activity measurements of the radionuclide Ba-133 to include the results of the IFIN-HH	METROLOGIA 45 (2008) (Technical Supplement 06002) http://iopscience.iop.org/0026 - 1394	<i>G. Ratel, C. Michotte, M. Sahagia and A. Yonuki</i>

	(Romania) and the NMIJ (Japan)		
11.	Seturi de date nucleare evaluate pentru radionuclizii ^{236}U, ^{234}Th, ^{228}Ra, ^{211}Bi și ^{211}Po	Incluse in baza internationala de date nucleare Decay Data Evaluation Project (DDEP), in perioada 2008-2010, Final Report IAEA Research Contract no. 13341/2005, 16/09/2009 (http://www.nucleide.org/DDEP_WG/DDEPdata.htm , http://www.nipne.ro/international/cooperations/iaea.php)	A. Luca
12.	PNCIDI II 61-018/2007 „Noi analogi nucleozidici de la sinteza la tinte moleculare și celulare” I V Babes, IFIN HH	Studiul biodistributiei analog nucleozidic EntFU, utilizand forma marcata radioactiv	C Postolache, Lidia Matei Gh. Bubueanu, C Tuta, Gina Manda
13.	PNCIDI 72-189 / 2008, Sistem de masura on-line a concentratiei tritiului in apa prin metoda BIXS ICSI Rm Valcea, UPB, IFIN HH	Modele matematice pentru proiectarea detectorului de masura a concentratiei de tritiu in apa prin metoda BIXS. Proiectarea standului experimental pentru determinari experimentale și teste functionale	C Postolache
14.	PNCIDI II 72-170/2008: Managementul deseurilor radioactive de apa tritiata; Concentrator de tritiu ICSI Rm Valcea, IFIN HH	Model matematic pentru evaluarea debitelor de doza și dozelor totale absorbite datorate radiatiei beta emise de surse de apa tritiata	C Postolache
15.	PNCIDI II 72-170/2008: Managementul deseurilor radioactive de apa tritiata; Concentrator de tritiu ICSI Rm Valcea, IFIN HH	Protocoale și standuri de incercari privind stabilitatea componentelor concentratorului de tritiu in prezenta apei tritiate	C Postolache, C Tuta, Gh Bubueanu
16.	PNCIDI II 61-018/2007 „Noi analogi nucleozidici de la sinteza la tinte moleculare și celulare” I V Babes, IFIN HH	PT-CPR -301 Operare instalatie de vid și manipulare tritiu gaz	C Postolache
17.	PNCIDI II 61-018/2007 „Noi analogi nucleozidici de la sinteza la tinte moleculare și celulare” I V Babes, IFIN HH	PL-CPR -302 Eliminarea tritiului labil din compusii marcati cu tritiu	C Postolache, Lidia Matei, C Tuta, Gh Bubueanu
18.	PNCIDI II 61-018/2007 „Noi analogi nucleozidici de la sinteza la tinte moleculare și celulare” I V Babes, IFIN HH	PL-CPR-303 Determinarea puritatii radiochimice a compusilor marcati cu tritiu prin cromatografie in strat subtire	C Postolache, Lidia Matei, C Tuta, Gh Bubueanu
19.	PNCIDI II 72-170/2008: Managementul deseurilor radioactive de apa tritiata; Concentrator de tritiu ICSI Rm Valcea, IFIN HH	PL-CPR-307 Determinarea contaminarii cu tritiu a aerului in spatiile tehnologice	C Postolache
20.	PNCIDI II 72-170/2008: Managementul deseurilor radioactive de apa tritiata; Concentrator de tritiu ICSI Rm Valcea, IFIN HH	PL-CPR-308 Determinarea contaminarii interne cu tritiu a personalului operator	C Postolache, Lidia Matei, C Tuta, Gh Bubueanu
21.	PNCIDI II 72-170/2008: Managementul deseurilor radioactive de apa tritiata; Concentrator de tritiu ICSI Rm Valcea, IFIN HH	PL-CPR-309 Decontaminare deseuri din sticla contaminate cu tritiu	C Postolache
22.	PNCIDI II 72-170/2008: Managementul deseurilor radioactive de apa tritiata; Concentrator de tritiu ICSI Rm Valcea, IFIN HH	PL-CPR-310 Decontaminare deseuri solide metalice contaminate cu tritiu	C Postolache
23.	PNCIDI II 72-170/2008: Managementul deseurilor	PL-CPR-311 Colectarea-Sortare Caracterizare deseurilor cu Tritiu	C Postolache

	radioactive de apa tritiata; Concentrator de tritiu ICSI Rm Valcea, IFIN HH		
24.	PNCDI II 72-170/2008: Managementul deseurilor radioactive de apa tritiata; Concentrator de tritiu ICSI Rm Valcea, IFIN HH	IL-CPR-303 Operarea Monitorului de tritiu gaz RS-400	C Postolache, Lidia Matei, C Tuta, Gh Bubueanu
25.	PNCDI II 72-170/2008: Managementul deseurilor radioactive de apa tritiata; Concentrator de tritiu ICSI Rm Valcea, IFIN HH	IL-CPR-304 Operarea Monitorului de tritiu gaz 400SBD γC	C Postolache, Lidia Matei, C Tuta, Gh Bubueanu
26.	PNCDI II 72-170/2008: Managementul deseurilor radioactive de apa tritiata; Concentrator de tritiu ICSI Rm Valcea, IFIN HH	IL-CPR-305 Utilizarea sistemului de monitorizare a efluentilor gazosi utilizand Monitorul de Efluenti Gazosi model OSI 700	C Postolache, Lidia Matei, C Tuta, Gh Bubueanu
27.	Sursa inchisa de 192Ir tip SR-Ir pentru radiografie (gamagrafie) industriala	Specificatie tehnica- Sursa inchisa de 192Ir tip SR-Ir pentru radiografie (gamagrafie) industriala- PV AVIZARE 610/1.04.2010; comanda beneficiar: 10/11.01.2010	Viorel Fugaru, Simona-Eugenia Manea, Catalina Cimpeanu, Catalina Barna
28.	Sursa inchisa de 192Ir tip SR-Ir pentru radiografie (gamagrafie) industriala	Planul Calitatii- nr. 1/2010 Sursa inchisa de 192-Ir pentru radiografie (gamagrafie) industriala, cod: PC 1/12.10.2010 ; comanda beneficiar: 8/11.01.2010; Surse inchise de 192Ir tip SR-Ir pentru radiografie (gamagrafie). Executie PT-CPR-402 Rev.1/2010 Surse inchise de 192Ir TIP SR-Ir. Verificare parametrii de calitare AC-PC-CPRLAB-13 Rev.1/2010 Montare surse radioactive de 192Ir tip SR-Ir la tije port-surse. Introducere in container de transport PT-CPR-403 Rev.1/2010 Surse inchise de 192Ir TIP SR-Ir. Documente. Livrare PT-CPR-404 Rev.1/2010 Gestiunea surselor de radiatii intrate, recuperate, tranzitate sau produse in departamentul CPR PT-CPR-109 Rev.1/2010 Transportul materialelor radioactive cu mijloace auto autorizate, proprietatea IFIN-HH PL-CPR-106 Rev.1/2010 Preluare, identificare și regasire containere și surse PT-DRMR-106 Rev 0/ 2010 Decontaminare/igienizare spatii de lucru aferente zonei de productie surse inchise PL-CPR-107 Rev 0/2010	Viorel Fugaru, Simona-Eugenia Manea, Catalina Cimpeanu, Catalina Barna
29.	Sursa inchisa de 192Ir tip SR-Ir pentru radiografie (gamagrafie) industriala	Dosar Autorizatie de Securitate Radiologica - Sursa inchisa de 192Ir tip SR-Ir pentru radiografie (gamagrafie) industriala; intocmit in 22.10.2010; comanda beneficiar: 8/11.01.2010;	Viorel Fugaru, Simona-Eugenia Manea, Catalina Cimpeanu, Catalina Barna
30.	Notificare CNCAN Laborator CPRLAB	Notificare CNCAN Laborator CPRLAB	Catalina Cimpeanu, Simona-Eugenia Manea
31.	"ThyroTop pentru terapie, capsule"	Eliberarea seriilor de produs cod: PL-CPR-405 / intocmit in 2010-06-30 Importul și distributia produsului ThyroTop pentru terapie, capsule cod: PL-CPR-404 / intocmit in 2010-06-30	Catalina Cimpeanu, Catalina Barna, Simona-Eugenia Manea
32.	Sudarea cu laser a capsulelor pentru surse radioactive – LASERCAP 71-132 / 2007	Instalatie de sudura laser in spatiul tehnologic destinat obtinerii surselor inchise	Viorel Fugaru, Simona-Eugenia Manea

33.	<i>Complementary deuteron breakup and deuteron-induced reaction analysis</i>	Report EFFDOC-1122, JEFF Monitoring Meeting, OECD/NEA Data Bank, Paris, Dec. 2010, http://www.oecd-nea.org/html/dbdata/nds_effdoc/effdoc-1122.pdf	M. Avrigeanu, V. Avrigeanu
34.	<i>Validation of parameters for nuclear model calculations suitable for neutron activation data</i>	Report EFFDOC-1122, JEFF Monitoring Meeting, OECD/NEA Data Bank, Paris, Dec. 2010, http://www.oecd-nea.org/html/dbdata/nds_effdoc/effdoc-1121.pdf	M. Avrigeanu, V. Avrigeanu
35.	<i>Analysis of direct reaction contributions to deuteron activation cross sections</i>	Report EFFDOC-1116, JEFF Monitoring Meeting, OECD/NEA Data Bank, Paris, May 2010, http://www.oecd-nea.org/html/dbdata/nds_effdoc/effdoc-1116.pdf	M. Avrigeanu, V. Avrigeanu
36.	<i>Improvement of parameters for nuclear model calculations suitable for neutron activation data</i>	Report EFFDOC-1106, JEFF Monitoring Meeting, OECD/NEA Data Bank, Paris, May 2010, http://www.oecd-nea.org/html/dbdata/nds_effdoc/effdoc-1106.pdf	M. Avrigeanu, V. Avrigeanu, F.L. Roman
37.	Infrastructure Producing High Intensity Gamma Rays for ELI Nuclear Physics Pillar	The White Book of ELI Nuclear Physics, Bucharest-Magurele, Romania Studiu de fezabilitate ELI-NP	D. Cutoiu, M. Toma
38.	“The Food Manual Companion (EFM-C)” Modele fizice, metodologie de calcul și aplicatie comandate și utilizate de beneficiar (SCK*CEN)	Platforma software web pentru implementarea și customizarea manualul european de management al productiei de alimente contaminate in urma unei urgente radiologice “Generic Handbook For Assisting In The Management Of Contaminated Food Production Systems In Europe Following A Radiological Emergency”	Vamanu Dan si Acasandrei Valentin
39.	“Critical Infrastructure Management (CRIMA)” Modele fizice, metodologie de calcul și aplicatie comandate și utilizata de beneficiar (DDR/IFIN-HH)	Platforma software web pentru identificarea, desemnarea și protectia infrastructurilor critice, in conformitate cu European Council Directive 2008/114/EC și OUG 98/2010.	Vamanu Dan si Acasandrei Valentin
40.	Sisteme avansate de sprijin al deciziei pentru evaluarea impactului eco-sanitar și managementul urgentelor la obiective nucleare și industriale	Instalarea și mentenanta sistemului expert RODOS PV7, sistem de sprijin al factorilor de decizie in caz de accident nuclear, in varianta proiectata pentru sistem de operare LINUX, in Centrul de Accident Nuclear și Situatii de Urgenta din cadrul Inspectoratului General pentru Situatii de Urgenta	D. Gheorghiu, D. Slavnicu
41.	Punere in functiune și teste de configurare (module filtrare, ultrafiltrare și osmoza inversa) instalatie de tratare deseuri radioactive lichide “Aqua – Express”	Metodologii pentru caracterizarea efluentului primar și a efluentului secundar rezultat dupa trecerea acestuia pe fiecare modul din instalatie in parte și in diferite configuratii, compararea acestora cu limitele de eliberare in mediu, cerinte impuse de reglementarile nationale și recomandarile internationale.	Gh. Dogaru, Gh. Rotarescu, F. Dragolici, L. Ionascu, C. Turcanu, E. Neacsu, L. Done
42.	Configurare schema tehnologica noua in vederea realizarii fluxului tehnologic de tratare deseuri radioactive lichide utilizand instalatie modulara mobila “Aqua Express”	Elaborarea schemei tehnologice alternative de cuplare a celor patru module de filtrare in vederea optimizarii procesului tehnologic in functie de caracteristicile chimice și radiologice ale efluentului primar (modul prefiltrare, microfiltrare, ultrafiltrare, osmoza inversa și schimb ionic)	Gh. Rotarescu, C. Turcanu, Gh. Dogaru, F. Dragolici, L. Ionascu, D. Vlaicu
43.	Colet stocare surse radioactive alfa uzate tip CSM-SS-ALFA ASR	Elaborarea documentatiilor și a memoriului tehnic pentru obtinerea Autorizatiei de Securitate Radiologica pentru produs - colet stocare surse radioactive alfa uzate in vederea utilizarii legale la confinarea surselor de Am-241.	Gh. Dogaru, F. Dragolici, L. Ionascu, Gh. Rotarescu, C. Turcanu
44.	<i>Procedura pentru determinarea continutului de 3H din aer</i>	revizii: proiect PN: Impactul materialelor radioactive asupra vietii și mediului nr. contract: 09 37 03 01 / director proiect: Ana Stochioiu / conducator: IFIN-HH cod: PL-LRPM-01 / dept.: DFVM / intocmit in 2009-09-15 beneficiar: LRPM / IFIN-HH notificare CNCAN: L10-18-10-2010	Corina Anca Simion, Niculina Paunescu, Adriana Gheorghiu, Sibila Brancovici

45.	<i>Procedura pentru determinarea continutului de 3H din apa</i>	revizii: proiect PN: Impactul materialelor radioactive asupra vietii și mediului nr. contract: 09 37 03 01 / director proiect: Ana Stochioiu / conducator: IFIN-HH cod: PL-LRPM-02 / dept.: DFVM / intocmit in 2009-09-15 beneficiar: LRPM / IFIN-HH notificare CNCAN: L10-18-10-2010	Corina Anca Simion, Niculina Paunescu, Adriana Gheorghiu, Sibila Brancovici
46.	<i>Procedura pentru determinarea tritiului (3H) in apa din porii solului și din tesutul apos al probelor vegetale și biologice</i>	revizii: proiect PN: Impactul materialelor radioactive asupra vietii și mediului nr. contract: 09 37 03 01 / director proiect: Ana Stochioiu / conducator: IFIN-HH cod: PL-LRPM-03 / dept.: DFVM / intocmit in 2009-09-15 beneficiar: LRPM / IFIN-HH notificare CNCAN: L10-18-10-2010	Corina Anca Simion, Niculina Paunescu, Adriana Gheorghiu, Sibila Brancovici
47.	<i>Procedura pentru determinarea continutului de carbon-14 (14C) in soluții apoase sau organice</i>	revizii: proiect PN: Impactul materialelor radioactive asupra vietii și mediului nr. contract: 09 37 03 01 / director proiect: Ana Stochioiu / conducator: IFIN-HH cod: PL-LRPM-04 / dept.: DFVM / intocmit in 2009-09-15 beneficiar: LRPM / IFIN-HH notificare CNCAN: L10-18-10-2010	Corina Anca Simion, Niculina Paunescu, Adriana Gheorghiu, Sibila Brancovici
48.	<i>Procedura pentru determinarea strontiului-90 (Sr-90) și a plumbului-210 (Pb-210) in probe de apa</i>	revizii: proiect PN: Impactul materialelor radioactive asupra vietii și mediului nr. contract: 09 37 03 01 / director proiect: Ana Stochioiu / conducator: IFIN-HH cod: PL-LRPM-05 / dept.: DFVM / intocmit in 2009-09-15 beneficiar: LRPM / IFIN-HH notificare CNCAN: L10-18-10-2010	Corina Anca Simion, Niculina Paunescu, Domnica Breban, Adriana Gheorghiu, Sibila Brancovici
49.	<i>Procedura pentru determinarea continutului de Strontiu-90 și Plumb-210 din probe de sediment și sol</i>	revizii: proiect PN: Impactul materialelor radioactive asupra vietii și mediului nr. contract: 09 37 03 01 / director proiect: Ana Stochioiu / conducator: IFIN-HH cod: PL-LRPM-06 / dept.: DFVM / intocmit in 2009-09-15 beneficiar: LRPM / IFIN-HH notificare CNCAN: L10-18-10-2010	Corina Anca Simion, Niculina Paunescu, Domnica Breban, Adriana Gheorghiu, Sibila Brancovici
50.	<i>Procedura pentru determinarea strontiului-90 (Sr-90) in probe de peste</i>	revizii: proiect PN: Impactul materialelor radioactive asupra vietii și mediului nr. contract: 09 37 03 01 / director proiect: Ana Stochioiu / conducator: IFIN-HH cod: PL-LRPM-07 / dept.: DFVM / intocmit in 2009-09-15 beneficiar: LRPM / IFIN-HH notificare CNCAN: L10-18-10-2010	Corina Anca Simion, Niculina Paunescu, Adriana Gheorghiu, Sibila Brancovici
51.	<i>Procedura pentru determinarea continutului de Uraniu și Toriu din apa</i>	revizii: proiect PN: Impactul materialelor radioactive asupra vietii și mediului nr. contract: 09 37 03 01 / director proiect: Ana Stochioiu / conducator: IFIN-HH cod: PL-LRPM-08 / dept.: DFVM / intocmit in 2009-09-15 beneficiar: LRPM / IFIN-HH notificare CNCAN: L10-18-10-2010	Corina Anca Simion, Niculina Paunescu, Adriana Gheorghiu, Sibila Brancovici
52.	<i>Procedura pentru masurarea radionuclizilor beta-emitatori la analizorul cu scintilatori lichizi</i>	revizii: proiect PN: Impactul materialelor radioactive asupra vietii și mediului nr. contract: 09 37 03 01 / director proiect: Ana Stochioiu /	Corina Anca Simion, Niculina Paunescu, Adriana Gheorghiu, Sibila Brancovici

		conducator: IFIN-HH cod: PL-LRPM-08 / dept.: DFVM / intocmit in 2009-09-15 beneficiar: LRPM / IFIN-HH notificare CNCAN: L10-18-10-2010	
53.	„Studiu la nivele foarte joase de radioactivitate asupra prezentei radioizotopilor Tritiu, Carbon-14 și Plumb-210 in zone fără influente contaminante (zona Barlad) sau cu influente contaminante (zona Bucuresti, zona Murfatlar) »	Numar proiect 51-053 / 2007 Nivel de interes: National x Regional Local <i>Studiu comparat pe ecosistemele din zona Magurele, Murfatlar și Barlad; nivele de carbon-14 la nivel de mediu; nivele mai ridicate in tritiu; prezenta tritiului la un nivel peste cel de mediu in zona Barlad; fenomene de eroziune sedimentare pe arealul Perieni-Barlad și Magurele-Ilfov</i> beneficiari: SCDVVM – Murfatlar, CCDCES – Perieni, IFIN-HH – Magurele termen predare: 11.11.2010	Corina Anca Simion Aurora Ranca Nelu Popa
54.	„Studii asupra fenomenelor de eroziune a solului și asupra agro-ecosistemelor, precum și a influentei activitatilor nucleare asupra acestora din urma in doua zone caracteristice din Romania: zona Barlad (pentru fenomene de eroziune-sedimentare) și zona Murfatlar (pentru fenomene de posibila contaminare a agro-ecosistemelor ca urmare a activității nucleare a CNE-Cernavoda)”	Numar proiect 51-053 / 2007 Nivel de interes: National Regional x Local <i>Zona Perieni-Barlad: imbunatatirea bazei de date a statiunii; fenomene de eroziune-sedimentare realiefate prin analiza comparata LSC / spectrometrie gamma; prezenta unei concentratii peste medie in tritiu – primul studiu de acest fel la Perieni</i> <i>Zona Murfatlar: imbunatatirea bazei de date a statiunii; impactul tritiului și carbonului-14 asupra agro-ecosistemului definit de SCDVVM; posibilitatea ca „marca de Cernavoda” sa poata contribui in mod constructiv la imbunatatirea trasabilitatii vinului podgoriei Murfatlar</i> beneficiari: SCDVVM – Murfatlar, CCDCES – Perieni termen predare: 11.11.2010	Corina Anca Simion Aurora Ranca Nelu Popa
55.	„Studii asupra fenomenelor de eroziune-sedimentare și de influenta a posibililor contaminanti radioactivi asupra agro-ecosistemelor in zona de activitate a unitatii coordonatoare și a unitatilor partenerilor din proiect”	Numar proiect 51-053 / 2007 Nivel de interes: National Regional Local x <i>Studiu comparat pe ecosistemele din zona Magurele, Murfatlar și Barlad; nivele de carbon-14 la nivel de mediu; nivele mai ridicate in tritiu; prezenta tritiului la un nivel peste cel de mediu in zona Barlad; fenomene de eroziune sedimentare pe arealul Perieni-Barlad și Magurele-Ilfov; diferentiere pe grad de interes și pe zona</i> beneficiari: SCDVVM – Murfatlar, CCDCES – Perieni, IFIN-HH – Magurele termen predare: 11.11.2010	Corina Anca Simion Aurora Ranca Nelu Popa

Anexa 12: Drepturi de autor protejate ORDA sau in sisteme similare legale: 2

Nr. crt.	Autor	Titlul
1.		Studiu de prefazibilitate ELI-NP
2.		Solutia tehnica ELI-NP

Anexa 13: Membri în colectivele de redacție ale revistelor recunoscute ISI (sau incluse în baze internaționale de date) și în colective editoriale internaționale

Nr. crt.	Nume	Titlul revistei/editurii
1.	D. Grecu	Int. J. of Theoretical Physics
2.	D. Galeriu	J. of Environmental Radioactivity
3.	D. Galeriu	Fusion Science and Technology
4.	N.V. Zamfir	Phys. Rev. Lett.
5.	N.V. Zamfir	Physics Letters B
6.	N.V. Zamfir	Phys. Rev. C
7.	N.V. Zamfir	Journal of Physics G
8.	N.V. Zamfir	International Journal of Modern Physics
9.	M. Dragusin	J. of Macromolecular Science
10.	D.Mihalache	Optical Review Letters and Physical Review
11.	D.Mihalache	Optical Letters and Optical Express
12.	D.Mihalache	Journal of the Optical Society of America
13.	D. Mihalache	IEEE Journal of Quantum Electronics
14.	D.Mihalache	IEEE Journal of Selected Topics in Quantum Electronics
15.	D.Mihalache	IEEE Photonics Technology Letters
16.	D.Mihalache	Physics Letters A
17.	D.Mihalache	Optics Communications
18.	Ixaru Liviu	Journal of Computational and Applied Math./Elsevier,
19.	Ixaru Liviu	Computer Physics Communications
20.	Ixaru Liviu	Applied Numerical Mathematics
21.	Ixaru Liviu	Numerical Algorithms
22.	I.Caprini	Physical Review D
22.	I.Caprini	Physics Letters B
22.	I.Caprini	European Physics Journal C
23.	N.Sandulescu	Physical Review C
24.	N.Sandulescu	Physical Review Letters
25.	Gherghescu Radu	Physical Review C
26.	Gherghescu Radu	Journal of Physics G: Nuclear and Particle Physics,
27.	Gherghescu Radu	Int. Journal of Modern Physics
28.	Poenaru Dorin	Physical Review Letters
29.	Poenaru Dorin	Physical Review C
30.	Poenaru Dorin	Physical Review A
31.	Poenaru Dorin	Int. Journ. of Modern Physics
32.	Gh.Adam	Mathematical Review,
33.	Sanda Adam	Thin Solid Films
34.	D.S.Delion	Physical Review C
35.	D.S. Delion	Physical Review Letters
36.	D.S. Delion	Journal of Physics G
37.	A.Isar	Mathematical Reviews
38.	A.Isar	Physics Letters A
39.	A.Isar	J. Phys. A: Mathematical and Theoretical Physics
40.	A.Isar	J. Phys. B: Atomic, Molecular and Optical Physics
41.	A.Isar	J. Phys. G: Nuclear and Particle Physics
42.	M.Visinescu	Physics Letters B
43.	M.Visinescu	J.Phys.A: Math.Gen.
44.	M.Visinescu	Class. Quantum Gravity

45.	M.Visinescu	J.Phys.G
46.	Dragos Victor Anghel	Phys. Rev. Lett.
47.	Dragos Victor Anghel	Phys. Rev. E
48.	Dragos Victor Anghel	Phys. Rev. A
49.	Dragos Victor Anghel	Physica A
50.	Dragos Victor Anghel	Physica Status Solidi
51.	Dragos Victor Anghel	J. Appl. Phys.
52.	Stefan Berceanu	Mathematical Review
53.	Stefan Berceanu	ZentralBlatt MATH
54.	Dan Vamanu	Int. J. of Critical Infrastructures / Ed. Interscience
55.	Alexandrina Petrovici	Phys. Rev. C
56.	Alexandrina Petrovici	Phys.Rev.Lett
57.	Rizea Constantin	Computer Physics Communications
58.	Raduta Apolodor-Aristotel	European Nuclear News
59.	Adriana Raduta	Europhysics Letters (EPL), European Physical Society.
60.	Constantin Vasile Margarit Rizea	Computer Physics Communications
61.	Maria Sahagia	Nuclear Instr. and Methods in Physics Research, A
62.	Dan Vamanu	International Journal of Critical Infrastructures
63.	Dan Vamanu	System of Systems Engineering
64.	Eugen Aurelian Preoteasa	Nuclear Instruments and Methods in Physics - Research B
65.	Eugen Aurelian Preoteasa	X-Ray Spectrometry
66.	Alexandru Calboreanu	Romanian Journal of Physics
67.	Apolodor A.Raduta	Romanian Journal of Physics
68.	Horia Scutaru	Romanian Journal of Physics
69.	Horia Scutaru	Romanian Reports in Physics
70.	Nicolae V.Zamfir	Romanian Journal of Physics
71.	Cornel Hategan	Romanian Reports in Physics
72.	Marin Ivascu	Romanian Reports in Physics
73.	Dumitru Mihalache	Romanian Reports in Physics
74.	Dumitru Mihalache	Optoelectronic and Advanced Materials-Rapid Communications
75.	Mihai Visinescu	Romanian Reports in Physics
76.	Nicolae V.Zamfir	Romanian Reports in Physics
77.	Raduta Apolodor- Aristotel	Romanian Journal of Physics
78.	Ion Stanculescu	Material Science and Engineering (Elsevier)
79.	Ion Stanculescu	Macromolecular Symposia (Wiley)

**Anexa 14: Membri în colective de redacție ale revistelor recunoscute național
(categoria B în clasificarea CNCSIS)**

Nr. crt.	Nume	Titlul revistei/editurii
1.	Nicolae V. Zamfir	Scientific Bulletin of University Politehnica of Bucharest
2.	Nicolae V. Zamfir	Buletinul Universitatii Petrol-Gaze Ploiesti
3.	Ion Stanculescu	Analele Universitatii Bucuresti

Anexa 15: Premii internaționale obținute prin proces de selecție

Nr. Crt.	Premiul	Autoritatea care l-a acordat	Autori/lucrare
1.			

Anexa 16: Premii naționale (ale Academiei Române, CNCSIS, altele)

Nr. crt.	Premiul	Autoritatea care l-a acordat	Autori/lucrare
1.	Diploma "Cel mai bun tinar cercetator roman intors din strainatate in institutii de cercetare din Romania"	ANCS	Andrei Micu
2.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dragos-Victor ANGHEL et. al. An ansatz for the exclusion statistics parameters in macroscopic physical systems described by fractional exclusion statistics <i>EPL (Europhysics Letters) 90 (1), 10006, 29.04.2010</i>
3.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dragos-Victor ANGHEL et. al. COMMENT ON STATISTICAL DISTRIBUTION FOR GENERALIZED IDEAL GAS OF FRACTIONAL-STATISTICS PARTICLES <i>Physical Review Letters, 104 (19), 198901, 14.05.2010</i>
4.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dragos-Victor ANGHEL et. al. STOCHASTIC SIMULATIONS FOR THE TIME EVOLUTION OF SYSTEMS WHICH OBEY GENERALIZED STATISTICS: FRACTIONAL EXCLUSION STATISTICS AND GENTILE'S STATISTICS <i>JOURNAL OF STATISTICAL MECHANICS: THEORY AND EXPERIMENT, P09011, 17 SEPTEMBRIE 2010,</i>
5.	Premiu CNCSIS pentru articol ISI	CNCSIS	Eugen Mircea ANITAS et. al. SCATTERING FROM GENERALIZED CANTOR FRACTALS <i>JOURNAL OF APPLIED CRYSTALLOGRAPHY, VOLUME 43, PART 4, PAGE 790, AUGUST 2010</i>
6.	Premiu CNCSIS pentru articol ISI	CNCSIS	Marian APOSTOL et. al. ELECTROMAGNETIC EIGENMODES IN MATTER. VAN DER WAALS-LONDON AND CASIMIR FORCES <i>PROGRESS IN ELECTROMAGNETIC RESEARCH, PIER 19 PP. 115-131 (2010), JANUARY 2010</i>
7.	Premiu CNCSIS pentru articol ISI	CNCSIS	Marian APOSTOL et. al. PULSED THERMOELECTRICITY <i>JOURNAL OF APPLIED PHYSICS, VOL.108 (NO. 2) 023702 (2010), 7 PAGINI, JULY 30 2010</i>
8.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dorel BUCURESCU et. al. INVESTIGATION OF 0+ STATES IN 192PT AND 194PT ISOTOPES <i>PHYSICAL REVIEW C 82 (2010) 024303 (10 PAG.), AUGUST 2010</i>
9.	Premiu CNCSIS pentru articol ISI	CNCSIS	Radu BUDACA et. al. CLOSED FORMULAS FOR GROUND BAND ENERGIES OF NUCLEI WITH VARIOUS SYMMETRIES <i>JOURNAL OF PHYSICS G NUCLEAR AND PARTICLE PHYSICS 37, 085108, 25 PAGINI, 28.06.2010</i>

10.	Premiu CNCSIS pentru articol ISI	CNCSIS	Irinel CAPRINI et. al. STRINGENT CONSTRAINTS ON THE SCALAR K PI FORM FACTOR FROM ANALYTICITY, UNITARITY AND LOW-ENERGY THEOREMS <i>THE EUROPEAN PHYSICAL JOURNAL A, (EUR PHYS J A), VOL. 44, NR 2, PAG 175-179 (2010)</i>
11.	Premiu CNCSIS pentru articol ISI	CNCSIS	Irinel CAPRINI et. al. THEORY OF UNITARITY BOUNDS AND LOW ENERGY FORM FACTORS <i>THE EUROPEAN PHYSICAL JOURNAL A, (EUR PHYS J A), VOL. 45, NR 3, PAG 389-399 (2010)</i>
12.	Premiu CNCSIS pentru articol ISI	CNCSIS	Florin CARSTOIU et. al. DEEP SUB_BARRIER FUSION REACTIONS OF THE LIGHT NUCLEI 12C AND 16O <i>NUCLEAR PHYSICS A VOL 834 ISSUE 1-4,P.180C-182C, PUBLISHED MARCH1,2010</i>
13.	Premiu CNCSIS pentru articol ISI	CNCSIS	Florin CARSTOIU et. al. STELLAR REACTION RATE FOR 22MG-->23AL FROM THE ASYMPTOTIC NORMALIZATION COEFFICIENT IN THE MIRROR NUCLEAR SYSTEM 22NE-->23NE <i>PHYSICAL REVIEW C 81,P.035802,2010, PUBLISHED 19 MARCH 2010</i>
14.	Premiu CNCSIS pentru articol ISI	CNCSIS	Sergiu COJOCARU et. al. ISOTOPE EFFECT AND BOND-STRETCHING PHONON ANOMALY IN HIGH-TC CUPRATES <i>EUROPEAN PHYSICAL JOURNAL B VOLUME 73 ISSUE 4 PAGES 509-513 PUBLISHED 27 JANUARY 2010</i>
15.	Premiu CNCSIS pentru articol ISI	CNCSIS	Daniela DELEANU et. al. THE GAMMA EFFICIENCY OF THE GAINS SPECTROMETER <i>NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS RESEARCH A 624, 13-136, 1</i>
16.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dana ENE et. al. GLOBAL CHARACTERIZATION OF THE GELINA FACILITY FOR HIGH-RESOLUTION NEUTRON TIME-OF-FLIGHT MEASUREMENTS BY MONTE-CARLO SIMULATIONS <i>NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS RESEARCH A 618, 54-68, 6 MARCH 2010</i>
17.	Premiu CNCSIS pentru articol ISI	CNCSIS	Tudor GLODARIU et. al. INTERACTION OF F-17 WITH A PB-208 TARGET BELOW THE COULOMB BARRIER <i>EUROPEAN PHYSICAL JOURNAL A VOLUME: 44 ISSUE: 1 PAGES: 63-69 PUBLISHED: APR 2010</i>
18.	Premiu CNCSIS pentru articol ISI	CNCSIS	Tudor GLODARIU et. al. REACTION DYNAMICS FOR THE SYSTEM 17F+58NI AT NEAR-BARRIER ENERGIES <i>PHYSICAL REVIEW C VOL. 82 (5) 054604, NOV. 2010</i>
19.	Premiu CNCSIS pentru articol ISI	CNCSIS	Tudor GLODARIU et. al. SCATTERING OF F-17 NUCLEI FROM A NI-58 TARGET AT ENERGIES AROUND THE COULOMB BARRIER????? <i>NUCLEAR PHYSICS A VOLUME: 834 ISSUE: 1-4 PAGES: 488C-490C PUBLISHED: MAR 1 2010</i>
20.	Premiu CNCSIS pentru articol ISI	CNCSIS	Radu-Dan GRIGORE et. al. From Massive Gravity to Modified General Relativity II <i>General Relativity and Gravitation, DOI 10.1007/s10714-010-1115-0 (14 pg.)</i>
21.	Premiu CNCSIS pentru articol ISI	CNCSIS	Radu-Dan GRIGORE et. al. PERTURBATIVE GRAVITY IN THE CAUSAL APPROACH <i>CLASSICAL AND QUANTUM GRAVITY, VOL. 27 (2010) 015013 (33 PG.)</i>
22.	Premiu CNCSIS pentru articol ISI	CNCSIS	Radu-Dan GRIGORE et. al. The Interaction of Quantum Gravity with Matter <i>Classical and Quantum Gravity, vol. 27 (2010) 225004 (20 pg.)</i>
23.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dumitru IONI et. al. QUANTUM MIRRORS AND CROSSING SYMMETRY AS HEART OF GHOST IMAGING <i>OPTICS COMMUNICATIONS, 283(6): 1026:1031, 28 MARTIE 2010</i>
24.	Premiu CNCSIS pentru articol ISI	CNCSIS	Aurelian ISAR et. al. Continuous variable entanglement in open quantum dynamics <i>Physica Scripta T140, 014023 (5 p), Septembrie 2010</i>
25.	Premiu CNCSIS pentru articol ISI	CNCSIS	Aurelian ISAR et. al. Dynamics of quantum entanglement in Gaussian open systems <i>Physica Scripta 82, 038116 (5 p), Septembrie 2010</i>
26.	Premiu CNCSIS pentru articol ISI	CNCSIS	Constantin IVAN et. al. PARTICIPATION IN THE CCRI(II)-K2.H-3 COMPARISON AND STUDY OF THE NEW TDCR-LS COUNTER WITH 6 CPMS <i>APPLIED RADIATION AND ISOTOPES, VOL. 68 (7-8), PAG. 1543-1545, 25, IULIE, 2010</i>

27.	Premiu CNCSIS pentru articol ISI	CNCSIS	Liviu IXARU et. al. NEW NUMERICAL METHOD FOR THE EIGENVALUE PROBLEM OF THE 2D SCHRÖDINGER EQUATION <i>COMPUTER PHYSICS COMMUNICATIONS, VOLUME 181, ISSUE 10, OCTOBER 2010, PAGES 1738-1742</i>
28.	Premiu CNCSIS pentru articol ISI	CNCSIS	Liviu IXARU et. al. SOME NEW USES OF THE $\eta(M)(Z)$ FUNCTIONS <i>COMPUTER PHYSICS COMMUNICATIONS VOLUME: 181 ISSUE: 1 PAGES: 128-137 PUBLISHED: JAN 2010</i>
29.	Premiu CNCSIS pentru articol ISI	CNCSIS	Aurelian LUCA et. al. EVALUATION OF ^{234}Th NUCLEAR DECAY DATA <i>APPLIED RADIATION AND ISOTOPES, VOL. 68 (7-8), PAG. 1591-1594, 25, IULIE, 2010</i>
30.	Premiu CNCSIS pentru articol ISI	CNCSIS	Aurelian LUCA et. al. INTERNATIONAL EXERCISE ON ^{124}Sb ACTIVITY MEASUREMENTS <i>APPLIED RADIATION AND ISOTOPES, VOL. 68 (7-8), PAG. 1207-1210, 25, IULIE, 2010</i>
31.	Premiu CNCSIS pentru articol ISI	CNCSIS	Aurelian LUCA et. al. INTERNATIONAL EXERCISE ON ^{124}Sb PHOTON EMISSION INTENSITIES DETERMINATION <i>APPLIED RADIATION AND ISOTOPES, VOL. 68 (10), PAG. 2026-2030, OCTOMBRIE,</i>
32.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dumitru MIHALACHE et. al. COLLAPSE OF ULTRASHORT SPATIOTEMPORAL PULSES DESCRIBED BY THE CUBIC GENERALIZED KADOMTSEV-PETVIASHVILI EQUATION <i>PHYSICAL REVIEW A VOLUME: 81 ISSUE: 3 ARTICLE NUMBER: 033824 PUBLISHED: MAR 2010</i>
33.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dumitru MIHALACHE et. al. ELLIPTIC VORTICES IN OPTICAL WAVEGUIDES AND SELF-ATTRACTIVE BOSE-EINSTEIN CONDENSATES <i>JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS VOLUME: 27 ISSUE: 4 PAGES: 757-762</i>
34.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dumitru MIHALACHE et. al. EXACT SOLUTIONS OF THE GROSS-PITAEVSKII EQUATION FOR STABLE VORTEX MODES IN TWO-DIMENSIONAL BOSE-EINSTEIN CONDENSATES <i>PHYSICAL REVIEW A VOLUME: 81 ISSUE: 6 ARTICLE NUMBER: 061805 PUBLISHED: JUN 28 2010</i>
35.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dumitru MIHALACHE et. al. FEW-OPTICAL-CYCLE DISSIPATIVE SOLITONS <i>JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL VOLUME: 43 ISSUE: 37 ARTICLE NUMBER: 375205</i>
36.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dumitru MIHALACHE et. al. GENERATION OF ARRAYS OF SPATIOTEMPORAL DISSIPATIVE SOLITONS BY THE PHASE MODULATION OF A BROAD BEAM <i>JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS VOLUME: 27 ISSUE: 6 PAGES: 1266-1271</i>
37.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dumitru MIHALACHE et. al. SOLITON DRIFT, REBOUND, PENETRATION, AND TRAPPING AT THE INTERFACE BETWEEN MEDIA WITH UNIFORM AND SPATIALLY MODULATED NONLINEARITIES <i>OPTICS LETTERS VOLUME: 35 ISSUE: 10 PAGES: 1716-1718 PUBLISHED: MAY 15 2010</i>
38.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dumitru MIHALACHE et. al. SPATIOTEMPORAL SOLITONS IN THE GINZBURG-LANDAU MODEL WITH A TWO-DIMENSIONAL TRANSVERSE GRATING <i>PHYSICAL REVIEW A Volume: 81 Issue: 2 Article Number: 025801 Published: FEB 2010</i>
39.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dumitru MIHALACHE et. al. STABLE TOPOLOGICAL MODES IN TWO-DIMENSIONAL GINZBURG-LANDAU MODELS WITH TRAPPING POTENTIALS <i>PHYSICAL REVIEW A VOLUME: 82 ISSUE: 2 ARTICLE NUMBER: 023813 PUBLISHED: AUG 23 2010</i>
40.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dumitru MIHALACHE et. al. SUBWAVELENGTH PLASMONIC LATTICE SOLITONS IN ARRAYS OF METALLIC NANOWIRES <i>PHYSICAL REVIEW LETTERS VOLUME: 104 ISSUE: 10 ARTICLE NUMBER: 106802 PUBLISHED: MAR 12 2010</i>

41.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dumitru MIHALACHE et. al. ULTRASHORT LIGHT BULLETS DESCRIBED BY THE TWO-DIMENSIONAL SINE-GORDON EQUATION <i>PHYSICAL REVIEW A VOLUME: 81 ISSUE: 6 ARTICLE NUMBER: 063815 PUBLISHED: JUN 16 2010</i>
42.	Premiu CNCSIS pentru articol ISI	CNCSIS	Dumitru MIHALACHE et. al. VORTICES AND RING DARK SOLITONS IN NONLINEAR AMPLIFYING WAVEGUIDES <i>PHYSICAL REVIEW A VOLUME: 81 ISSUE: 2 ARTICLE NUMBER: 023836 PUBLISHED: FEB 2010</i>
43.	Premiu CNCSIS pentru articol ISI	CNCSIS	Mihai PETROVICI et. al. STRONG ENHANCEMENT OF DYNAMICAL EMISSION OF HEAVY FRAGMENTS IN THE NEUTRON-RICH SN-12464 REACTION AT 35A MEV <i>PHYSICAL REVIEW C VOLUME:81 ISSUE:6 ARTICLE NUMBER:064605 PUBLISHED:JUNE 9 2010</i>
44.	Premiu CNCSIS pentru articol ISI	CNCSIS	Apolodor Aristotel RADUTA Collective properties of deformed atomic clusters described within a projected spherical basis <i>Journal of Superconductivity and Novel Magnetism (2011) 24, 645-</i>
45.	Premiu CNCSIS pentru articol ISI	CNCSIS	Apolodor Aristotel RADUTA et. al. Description of the $2\nu\beta\beta$ decay within a fully renormalized pnQRPA approach with a restored gauge symmetry <i>Physical Review C 82, 068501 (2010).</i>
46.	Premiu CNCSIS pentru articol ISI	CNCSIS	Apolodor-Aristotel RADUTA et. al. CLOSED FORMULAS FOR GROUND BAND ENERGIES OF NUCLEI WITH VARIOUS SYMMETRIES <i>JOURNAL OF PHYSICS G NUCLEAR AND PARTICLE PHYSICS 37 (2010) 085108, PUBLISHED 28 JUNE,2010</i>
47.	Premiu CNCSIS pentru articol ISI	CNCSIS	Mihaela Carina RAPORTARU et. al. FARADAY WAVES IN HIGH-DENSITY CIGAR-SHAPED BOSE-EINSTEIN CONDENSATES <i>PHYSICA A, VOLUME 389 (2010), NO. 21,4663-4667, 01 NOIEMBRIE 2010</i>
48.	Premiu CNCSIS pentru articol ISI	CNCSIS	Margarit RIZEA et. al. EXPONENTIAL FITTING METHOD FOR THE TIME-DEPENDENT SCHRODINGER EQUATION <i>JOURNAL OF MATHEMATICAL CHEMISTRY, VOL.48(1),PP.55-65, JUL 2010</i>
49.	Premiu CNCSIS pentru articol ISI	CNCSIS	Margarit RIZEA et. al. SCISSION NEUTRONS AND OTHER SCISSION PROPERTIES AS FUNCTION OF MASS ASYMMETRY IN U-235(N(T),F) <i>PHYSICAL REVIEW C, VOL.82, ISS.1, ARTICLE NUMBER: 014617, PUBLISHED: JUL 28 2010</i>
50.	Premiu CNCSIS pentru articol ISI	CNCSIS	Florin ROTARU et. al. PROLATE-SPHERICAL SHAPE COEXISTENCE AT N=28 IN 44S <i>PHYSICAL REVIEW LETTERS, 105, 102501(4), 1 SEPTEMBRIE 2010</i>
51.	Premiu CNCSIS pentru articol ISI	CNCSIS	Maria SAHAGIA et. al. IFIN-HH IONIZATION CHAMBER CALIBRATION AND ITS VALIDATION; ELECTROMETRIC SYSTEM IMPROVEMENT <i>APPLIED RADIATION AND ISOTOPES, VOL. 68 (7-8), PAG. 1266-1269, 25, IULIE, 2010</i>
52.	Premiu CNCSIS pentru articol ISI	CNCSIS	Maria SAHAGIA et. al. NATIONAL COMPARISON OF ¹³¹ I MEASUREMENT AMONG NUCLEAR MEDICINE CLINICS OF EIGHT COUNTRIES <i>APPLIED RADIATION AND ISOTOPES, VOL. 68 (7-8), PAG. 1371-1377, 25, IULIE, 2010</i>
53.	Premiu CNCSIS pentru articol ISI	CNCSIS	Maria SAHAGIA et. al. THE ²²² Rn STANDARD SYSTEM ESTABLISHED AT IFIN-HH, ROMANIA <i>APPLIED RADIATION AND ISOTOPES, VOL. 68 (7-8), PAG. 1503-1506, 25, IULIE, 2010</i>
54.	Premiu CNCSIS pentru articol ISI	CNCSIS	Mihai STANOIU et. al. γ-RAY SPECTROSCOPY OF NEUTRON-RICH 40S <i>PHYS. REV. C 81, 054305, PUBLISHED 12 MAY 2010</i>
55.	Premiu CNCSIS pentru articol ISI	CNCSIS	Mihai STANOIU et. al. INTRUDER NEGATIVE-PARITY STATES OF NEUTRON-RICH 33SI <i>Phys.Rev. C 81, 064301, published 1 June 2010</i>
56.	Premiu CNCSIS pentru articol ISI	CNCSIS	Mihai STANOIU et. al. LOW-LYING ISOMERIC LEVELS IN 75CU <i>Phys. Rev. C 81, 034304, PUBLISHED 10 March 2010</i>

57.	Premiu CNCSIS pentru articol ISI	CNCSIS	Mihai STANOIU et. al. PRODUCTION OF NEUTRON-RICH FRAGMENTS WITH NEUTRON NUMBER $N > N_{PROJECTILE}$ IN THE REACTION ^{48}Ca (60 MEV/NUCLEON) + TA <i>J. PHYS. G: NUCL. PART. PHYS.</i> 37, 105111, 9PAGINI, PUBLICAT 24 AUGUST 2010
58.	Premiu CNCSIS pentru articol ISI	CNCSIS	Mihai STANOIU et. al. Spectroscopy of proton-unbound nuclei by tracking their decay products in-flight: One- and two-proton decays of ^{15}F , ^{16}Ne , and ^{19}Na <i>Phys.Rev. C</i> 82, 054315 (2010), published 29 November 2010
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