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**Institutul Național de C&D  
pentru Fizică și Inginerie Nucleară  
Horia Hulubei**

Str. Atomiștilor 407, Măgurele, jud. Ilfov, C.P. MG-6, cod postal 077125,  
tel.: 021-4042301, fax.: 021-4574440  
[secretar@ifin.nipne.ro](mailto:secretar@ifin.nipne.ro)

**RAPORT  
asupra activității desfășurate în anul 2008**

**1. Datele de autentificare ale unității de cercetare-dezvoltare**

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

1.2. Statutul juridic\*1): Institut Național de C-D cu capital integral de stat

1.3. Actul de înființare\*2): HG 1309/25.11.1996; HG 965/25.08.2005.

1.4. Numărul de înregistrare în Registrul potențialilor contractori: 450

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

1.6. Adresa: str. Atomiștilor nr. 407, Măgurele, județul Ilfov, CP MG-6, cod poștal 077125

1.7. Telefon : 021-4042301

Fax: 021-4574440

Pagina web : [www.nipne.ro](http://www.nipne.ro)

e-mail : [dirgen@ifin.nipne.ro](mailto:dirgen@ifin.nipne.ro)

**2. Domeniul de specialitate**

2.1. Conform clasificării UNESCO\*3): 22

2.2. Conform clasificării CAEN: 7310

### 3. Starea unității de cercetare-dezvoltare

3.1. Misiunea unității de cercetare-dezvoltare, direcțiile de cercetare, dezvoltare, inovare: (maximum 1.000 de caractere):

Misiune: dezvoltarea cunoașterii în fizică, cu precădere a celei subatomice, și creșterea impactului domeniului nuclear în societate prin cercetări avansate și servicii de specialitate de cel mai înalt profesionalism.

Direcții de cercetare-dezvoltare-inovare:

*Cercetare fundamentală:* fizică nucleară și astrofizică; fizica particulelor elementare și teoria câmpurilor; fizică atomică și fizica materiei condensate; fizică matematică și fizica informației; fizica vieții și a mediului.

*Cercetare aplicativă:* sisteme avansate de detecție; securitate nucleară, radioprotecție și produse radioactive; radioecologie și biomedicină nucleară; tehnici nucleare și aplicații; sisteme avansate de comunicații.

*Dezvoltare tehnologică:* elaborare tehnologii (deșeurii radioactive, iradiere gamma); realizare prototipuri (detectorii de radiații și electronica asociată, instrumentație nucleară, etc.); acreditare/notificare/autorizare/certificare laboratoare (metrologia radiațiilor, analize, tratamente prin iradiere, caracterizări radiologice); dezvoltare infrastructura proprie.

*Transfer tehnologic* în ecologie (tratate și depozitare deșeurii radioactive), medicina (radiofarmaceutice, compuși marcați cu radionuclizi, etc.) și în industrie (surse radioactive).

3.2. Modul de valorificare a rezultatelor de cercetare, dezvoltare, inovare și gradul de recunoaștere a acestora (maximum 1.000 de caractere):

*Cercetare fundamentală și aplicativă:* articole publicate în reviste științifice: 353 (din care 304 în reviste de specialitate cotate ISI), cărți și capitole din cărți (26) și comunicări la conferințe (444).

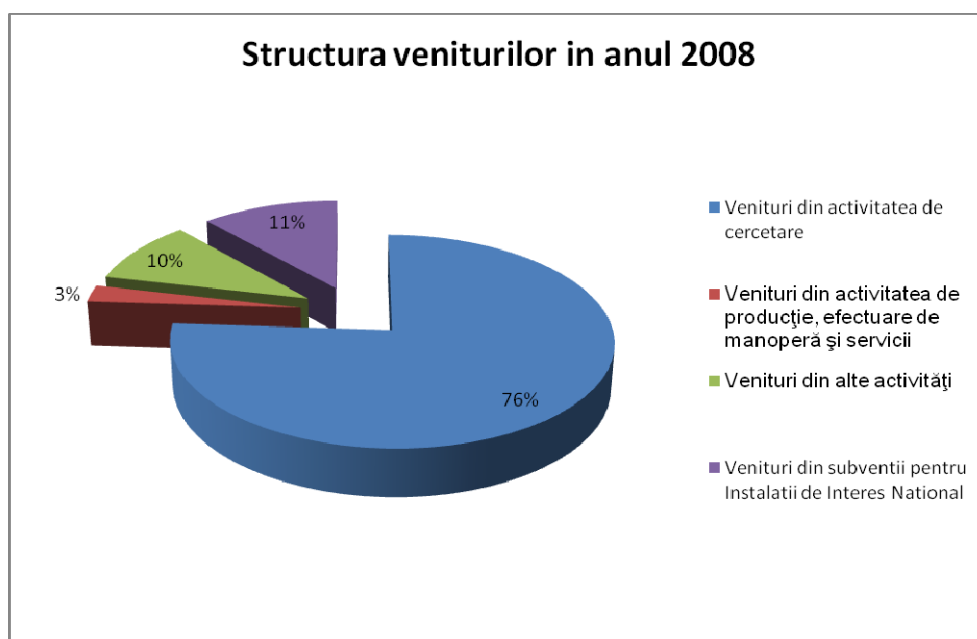
*Dezvoltare tehnologică:* tehnologiile elaborate sunt valorificate în cadrul institutului, majoritatea proceselor tehnologice din institut sunt bazate pe tehnologii proprii aprobate de organele abilitate; prototipurile sunt folosite la instalațiile și echipamentele proprii și la cele realizate în colaborare în cadrul marilor laboratoare

europene; activitățile de inginerie nucleară se desfășoară în laboratoare acreditate/notificate/autorizate/certificate.

### 3.3. Situația financiară - datoriile la bugetul de stat:

Veniturile institutului au fost realizate prin desfășurarea activităților prevăzute în actul de înființare și sînt prezentate sintetic în tabelul de mai jos:

Nr. crt.	Tip venit	Valoare lei –	–
1.	Venituri din activitatea de cercetare	85.095.056	
2.	Venituri din activitatea de producție, efectuare de manoperă și servicii	2.886.845	
3.	Venituri din alte activități	11.062.308	
4.	Venituri din subvenții pentru Instalații de Interes Național	12.907.265	
<b>TOTAL VENITURI DIN EXPLOATARE</b>		<b>111.951.474</b>	



Institutul a înregistrat venituri totale în valoare de 111.971.159 lei și cheltuieli totale în valoare de 111.959.789 lei ceea ce a condus la realizarea unui profit brut în valoare de 11.370 lei.

Creanțele de încasat la data de 31.12.2008 au fost în valoare de 20.640.370 lei.

Componenta creanțelor de încasat este prezentat în tabelul următor :

Creanțe comerciale (clicți)	15.903.671 lei
Alte creanțe (subvenții IIN)	4.736.699 lei

La data de 31.12.2008 institutul avea datorii restante in valoare de 8.863.179 lei. Structura acestor datorii este prezentata in tabelul de mai jos:

Tipul obligatiei	Valoarea (lei)
Obligatii restante fata de bugetul asigurarilor sociale, din care:	6.883.206
contributii pentru asigurarile sociale de stat datorate de angajator, salariatii si alte persoane asimilate	4.982.374
contributii pentru fondul asigurarilor sociale de sanatate	1.649.188
alte datorii sociale	251.644
Obligatii si taxe neplatite la termenul stabilit la bugetul de stat	1.979.973
<b>TOTAL PLATI RESTANTE</b>	<b>8.863.179</b>

Situatia economico-financiara a institutului la sfirsitul anului 2008 este relativ buna. Acumularea de datorii restante are drept cauza sistemul de finantare deficitar, care obliga instituturile nationale sa avanseze cheltuieli pentru a putea fi decontate la termenul de realizare a fazelor si incasarea cu intirziere de la autoritatile contractante a fazelor de cercetare.

Pentru remedierea acestei situatii au fost luate de urgenta urmatoarele masuri:

Constituirea, in limita posibilitatilor, a unui fond de rulment care sa asigure un plus de trezorerie suficient pentru acoperirea cheltuielilor pentru o luna

Asigurarea necesarului de trezorerie pentru acoperirea platilor rezultate din activitatea curenta si pentru plata datoriilor restante. Acest lucru se va realiza prin esalonarea fazelor de cercetare pentru evitarea minusurilor de trezorerie.

*Mentionam ca pina la data intocmirii prezentului raport toate datoriile restante specificate mai sus, catre bugetul de stat si catre bugetul asigurarilor sociale au fost achitate in totalitate si la aceasta data institutul nu mai are plati restante.*

#### 4. Criterii primare de performanță

4.1. Lucrări științifice/tehnice publicate în reviste de specialitate cotate ISI: 304  
(Lista lucrărilor și citărilor se atașează ca anexa nr. 4.1)

4.2. Brevete de invenție: 0

4.3. Produse și tehnologii rezultate din activități de cercetare, bazate pe brevete, omologări sau inovații proprii. Studii prospective și tehnologice și servicii rezultate din activitatea de cercetare-dezvoltare, comandate de beneficiar

4.3.1. Număr de produse, tehnologii, studii, servicii 0

(Lista produselor, serviciilor și tehnologiilor, grupate pe ani, se atașează ca anexa nr. 4.3)

#### 5. Criterii secundare de performanță

5.1. Lucrări științifice (tehnice) publicate în reviste de specialitate fără cotație ISI

5.1.1. Număr de lucrări 49

Carti publicate in anul 2008 26

(Lista lucrărilor grupate pe ani se atașează ca anexa nr. 5.1)

5.2. Lucrări științifice prezentate la conferințe internaționale cu comitet de program

5.2.1. Număr de comunicări prezentate 444

(Lista comunicărilor grupate pe ani se atașează ca anexa nr. 5.2)

5.3. Modele fizice, modele experimentale, modele funcționale, prototipuri, normative, proceduri, metodologii, reglementări și planuri tehnice noi sau perfecționate, realizate în cadrul programelor naționale sau comandate de beneficiar

5.3.1. Număr de modele, normative, proceduri etc.: 6

(Lista modelelor, normativelor etc., se atașează ca anexa nr. 5.3)

## 6. Prestigiul profesional

6.1. Membri (incluzând statutul de recenzor) în colectivele de redacție ale unor reviste (cotate ISI sau incluse în baze de date internaționale) sau în colective editoriale ale unor edituri internaționale recunoscute

Număr de prezențe în anul 2008:

77

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

6.2. Membri în colectivele de redacție ale revistelor recunoscute național (din categoria B în clasificarea CNCSIS)

Număr de prezențe:

**2**

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

6.3. Premii internaționale obținute printr-un proces de selecție

Număr de premii:

**1**

1. Dorin Poenaru MERCATOR Gastprofessur, acordat de Deutsche Forschungsgemeinschaft, Germania

6.4. Premii naționale ale Academiei Române

Număr de premii:

**0**

Nr. crt. Nume Premiul Anul

6.5. Conducători de doctorat, membri ai unității de cercetare

Număr de conducători de doctorat:

**20**

Nr. crt. Nume

1. Adam Gheorghe
2. Angelescu Nicolae
3. Apostol Marian



4. Avrigeanu Marilena
5. Avrigeanu Gabriel
6. Bucurescu Dorel
7. Corcalciuc Valentin
8. Delion S. Doru
9. Dragulescu Emilian
10. Ion Dumitru
11. Ixaru Liviu
12. Mihalache Dumitru
13. Petrovici Mihai
14. Petrovici Alexandrina
15. Popescu V. Ion
16. Stoica Sabin
17. Visinescu Mihai
18. Zamfir Nicolae Victor
19. Borcea Catalin
20. Raduta Apolodor-Aristotel

6.6. Număr de doctori în știință, membri ai unității de cercetare

Număr de doctori în știință: 163

## 7. Resursa umană de cercetare

7.1. Total personal de cercetare care realizează venituri din activitatea de cercetare-dezvoltare: 283, din care permanenți 256, din care doctori în știință: 163.

CS1	83
CS2	66
CS3	54
CS	54

IDT1	12
IDT2	6
IDT3	5
IDT	3

As.C	87
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## 7.2. Date privind perfecționarea resursei umane

7.2.1. Număr de doctoranzi care lucrează în unitatea de cercetare-dezvoltare la data completării formularului: 55

7.2.2. Număr de teze de doctorat realizate în unitatea de cercetare-dezvoltare în perioada pentru care se face evaluarea (2008): 6

## 8. Infrastructura de cercetare-dezvoltare

### 9.1. Laboratoare de cercetare-dezvoltare:

Nr. crt.	Denumirea laboratorului	Domeniul în care este acreditat
1.	Laborator pentru dozimetrie de personal si mediu- LADPM ( DFVM)	Monitorizare individuala personal lucrativ in domeniul nuclear si mediu
2.	Laborator de incercari si expertizari in domeniul nuclear-LI (CMRID)	Incercari/expertizari de echipamente cu surse de radiatii ionizante
3.	Laborator de metrologie-LM(CMRID)	
4.	Laborator notificat de etalonare pentru activitate si marimi dozimetrice-LE (CMRID)	Dozimetrie a radiatiilor ionizante
5.	Laborator de Metrologia Radiatiilor-CPR-LMR	Etalonare pentru activitate (Bq) si marimi dozimetrice
6.	Laborator pentru caracterizarea elementala si structurala a materialelor micro si nano structurate-RBSL (DAC)	Analize elementale si structurale
7.	Laborator de incercari pentru analize prin spectrometrie gama- GamaSpec (DFN-T)	Analize prin spectrometrie gama
8.	Laborator de testari materiale prin tehnici nucleare-Activa-N(DFNA)	Verificari/determinari ale ale activitatii unor probe solide prin spectrometrie gama
9.	Laborator de Analize Spectrometrice-LAS (DMDR)	Analize spectrometrice
10.	Laborator de microbiologie-LM-IRASM	Analize de sterilitate si continut microbial
11.	Laborator de Teste Mecanice si Fizico-Chimice pe Materiale Iradiate LTMFCMI- IRASM	Teste mecanice si fizico-chimice pe materiale iradiate
12.	Laborator de detectie a alimentelor	Detectia alimentelor iradiate

	iradiate-LDAI-IRASM	
13.	Laborator pentru masurari in fond ultrascazut micro-Bq (DFVM)	Laborator subteran pentru masurarea radiatiilor in fond ultra-scazut
14.	Laborator fotodozimetrie si contor corp uman (DFVM)	Supraveghere contaminare interna si atribuire de doza
15.	Laborator testari biocompatibilitate (DFVM)	Testari biocompatibilitate
16.	Laborator testari biomateriale ( DFNA)	Testari biomateriale
17.	Laborator raze X. Tomografie si fluorescenta (DFNA)	Analiza de fluorescenta si tomografie de raze X
18.	Laborator de incercare, testare si certificare a conformitatii produselor radiofarmaceutice-CPRLAB	Analize radiochimice si microbiologice ; masurari dozimetrice
19.	Laborator integrat monitorare spectrometrica materiale si deseuri radioactive (DFVM)	Monitorare spectrometrica a materialelor si deseurilor

## 9.2. Lista echipamentelor performante achiziționate în anul 2008:

Nr.crt.	Echipament	An achizitie	Valoare (Ron)	Sursa finantare
1	2	3	4	5
1	SISTEM alfa/beta/gamma global	2008	175,789.34	PROIECT NUCLEU
2	GAMMA SCANNER WS 1100	2008	494,374.00	ROM
3	Detectori si module electronica nucleara	2008	407,735.27	CAPACITATI
4	IVECO TRAKKER	2008	419,817.60	Proiect DTI Anglia
5	LADA-VAZ NIVA 4x4	2008	25,031.60	Ctr.356
6	DETECTOR DE PARTICULE	2008	211,050.40	PROIECT NUCLEU
7	ANALIZOR cu scintilatori lichizi LSC	2008	432,401.60	PN II
8	DIFRACTOMETRU de raze X	2008	272,878.20	PN II
9	Licenta Win.XP + Math. + Origin + Lab View	2008	103,815.38	CAPACITATI
10	Alimentare electrica de avarie	2008	123,537.12	PROIECT NUCLEU
11	Sistem RISO TL/OSL-DA-20C/D	2008	259,179.13	CEEX
12	Laser pentru sudura < 20 Kw	2008	262,852.00	Contract 71-132
13	CROMATOGRAF pentru det. puritatii	2008	237,207.00	Part. 71-073
14	SISTEM MASURA A MARIMII Zeta	2008	153,488.00	CEEX
15	Sistem motorizat de focalizare	2008	130,000.00	PN II
16	CROMATOGRAF DE LICHIDE	2008	142,006.40	Ctr. 41-080
17	SURSA ALIMENTARE de inalta tensiune	2008	322,697.73	INVESTITII
18	DETECTORI SCINTILATORI Rapizi	2008	350,000.00	CAPACITATI
19	UPS de mare putere MPS 250 SINUS	2008	114,195.12	PROIECT NUCLEU
20	INSTALATIE de tip PORTAL- MASINI	2008	363,698.06	PROIECT NUCLEU

21	Poarta radiologica cu bariera	2008	251,453.05	PROIECT NUCLEU
22	SISTEM DETECTIE MAT. RADIOACTIVE	2008	227,388.61	PROIECT NUCLEU
23	DETECTOR RAD.Gamma de tip GeHP	2008	721,182.43	PROIECT NUCLEU
24	ANSAMBLU DE STOCARE	2008	322,755.00	CAPACITATI
25	SERVER DE CALCUL	2008	363,510.00	CAPACITATI
26	DISPOZITIV DE STOCARE	2008	210,944.26	CORINT
27	SISTEM DE CALCUL de inalta performanta	2008	389,006.88	PROIECT NUCLEU
28	Instalatie de climatizare pt. GRID	2008	725,524.27	CAPACITATI
29	ROBOT DEMOLATOR	2008	414,247.75	PROIECT NUCLEU
30	Echipamente pt. sistem de securitate	2008	111,211.00	Regie Generala
31	Detector PAXSCAN 4030E	2008	164,649.50	PROIECT NUCLEU
32	Detector PAXSCAN 4030E	2008	164,649.50	PROIECT NUCLEU
33	Detector PAXSCAN 4030E	2008	156,499.20	PROIECT NUCLEU
34	Detector PAXSCAN 4030E	2008	156,499.20	PROIECT NUCLEU
35	Sistem de achizitie multiparametric	2008	109,012.80	PROIECT NUCLEU
36	POMPA TURBOMOLECULARA	2008	106,580.00	PROIECT NUCLEU
37	Sistem de curatare cu Plasma	2008	144,375.00	PROIECT NUCLEU
38	INSTALATIE DE DEPURARE Straturi	2008	195,537.10	PROIECT NUCLEU
39	Mobilier sala lectura	2008	207,808.95	Investitii
40	Generator electric Reactor + CPR	2008	250,050.52	Investitii
41	Generator electric Grid	2008	592,928.53	Investitii
42	Laborator de datare	2008	101,701.24	Investitii
43	Tractor + remorca	2008	85,654.24	Investitii
44	Microbuz 9 locuri	2008	129,467.42	Investitii
45	Utilaj multifunctional	2008	37,856.20	Investitii
46	Racorduri energie electrica	2008	72,200.00	Investitii
47	Detectori LaBr3	2008	62,320.00	Investitii
48	Sursa tensiune	2008	86,216.00	Investitii
49	Reabilitare biblioteca	2008	637,959.00	Investitii
50	Consolidare Fizica teoretica	2008	1,136,631.23	Investitii
51	Iluminat electric	2008	315,296.51	Investitii
52	Imprejmuire parc	2008	69,816.11	Investitii
53	Retea gaze Gr. II	2008	164,090.29	Investitii
54	Reabilitare Casa de oaspeti	2008	205,377.85	Investitii
55	Automatizare CT	2008	87,918.15	Investitii
56	Centru de masteranzi - proiect	2008	41,129.12	Investitii
57	Centrul de calcul	2008	201,364.07	Investitii
58	Proiect consolidare DFVM	2008	190,400.00	Investitii
59	Extindere Cladire Adm.	2008	109,703.50	Investitii
60	Expertiza cladiri	2008	83,300.00	Investitii

**Anexa 4.1: Lucrări științifice/tehnice publicate în reviste de specialitate cotate ISI**

2008

<b>0. Titlul lucrării</b>	
	<i>Autori</i>
	Revista
1.	<b>124Te and the E(5) critical point symmetry</b> <i>D.G. Ghita, G. Cata-Danil, D. Bucurescu, I. Cata-Danil, M. Ivascu, C. Mihai, G. Suliman, L. Stroe, T. Sava, N.V. Zamfir</i> International Journal of Modern Physics E17(2008)1453-1466
2.	<b>188Re-anti-VEGF-Mab tumor uptake and therapeutic effect</b> <i>Valeria Lung, Dana Niculae, Iuliana Gruia, Viorel Fugaru, Rodica Anghel, Ileana Petcu, Diana Savu</i> The Quarterly Journal of Nuclear Medicine and Molecular Imaging, Volume 52, Suppl. 1 to No 2, Pages12-13 (june 2008)
3.	<b>2νββ decay to one phonon states</b> <i>A. A. Raduta and C. M. Raduta</i> Romanian Journal of Physics, 53, 8-9 (2008) 127
4.	<b>2+ within a boson expansion approach</b> The double beta decay 0+ <i>A. A. Raduta and M.c. Raduta</i> Physics AUC, vol. 18, 53-76 (2008)
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**1\* Commissioning of the CMS tracker and preparing for early physics at the LHC. Matthew Wingham (Imperial Coll., London) . CERN-THESIS-2008-081, Jul 2008. 169pp. Ph.D. Thesis (Advisors: Geoff Hall and Robert J. Bainbridge). 2\* Open heavy flavour reconstruction in the ALICE central barrel. By ALICE Collaboration (Francesco Prino for the collaboration). Oct 2008. 4pp. e-Print: arXiv:0810.3086 [nucl-ex]**

## Anexa 5.1: Lucrări științifice (tehnice) publicate în reviste de specialitate fără cotație ISI

2008 Titlul lucrării/Autori/Revista

1.	<b>Analytical study on different types of tool tracesw in some ancient symbols discovered at Sinca Veche Temple,Romania</b> <i>V.Ghisa, I.V.Popescu,M.Belc</i> Chemistry Revue, vol. 58, nr.12, Bucharest 2008
2.	<b>BONDING OF THE INNER TRACKER SILICON MICROSTRIP MODULES</b> <i>Mirela Angela Saizu si grup CMS international</i> CERN document /CMS NOTE 2008/024
3.	<b>Coherent interaction between matter and radiation</b> <i>M Apostol</i> J Theor Phys 170 (2008)
4.	<b>Collective dipole excitations in sodium clusters</b> <i>A. A. Raduta, R. Budaca, Al. H. Raduta</i> arXiv:0812.0744/phys.atm-clus, trimisa la Physical Review A.
5.	<b>Collective Dynamics of Water in the Living Cell and in Bulk Liquid. New Physical Models and Biological Inferences</b> <i>Preoteasa, E.A. and Apostol, M.V.</i> arXiv-0812.0275v2-physics-bio-phys-12-Dec-2008
6.	<b>Comparative Study of Alpha-Decay Properties for Superheavy Elements</b> <i>I. B. Ciobanu, I. Silisteanu and D. Ionescu,</i> Buletinul Institutului Politehnic din Iasi, in print 2008
7.	<b>Compound nucleus formation and de-excitation with neutrons</b> <i>E. Petrescu and M. Mirea</i> UPB Scientific Bulletin Series A: Applied Mathematics and Physics, Volume 70, Issue 3, Pages 59-72 (2008)
8.	<b>Critical Issues with ‘Minor League’ Nuclear Infrastructures: The Back End of the Life Cycle</b> <i>Dan V. Vamanu, Adrian V. Gheorghe, Valentin T. Acasandrei and Bogdan I. Vamanu</i> International Journal of Critical Infrastructures, Volume 4, No. 4, ISSN (Print): 1475-3219, ISSN (Online): 1741-8038, pp. 368-391
9.	<b>d wave in high Tc superconductivity</b> <i>M Apostol</i> J Theor Phys 172 (2008)
10.	<b>Density oscillations in a classical multi-component plasma</b> <i>M Apostol</i> J Theor Phys 167 (2008)
11.	<b>DEnsity oscillations in a model of water and other simialr liquids</b> <i>M Apostol, E Preoteasa</i> Phys Chem Liquids 46 653 (2008)
12.	<b>Density oscillations in multi-component molecular mixtures</b> <i>M Apostol</i> j Theor Phys 169 (2008)

13.	<b>Detector tip CI pentru masurarea radonului atmosferic in regim diferential</b> <i>Marian Romeo Calin</i> Cerere de brevet de inventie OSIM, nr. A/00375/22 05 2008;
14.	<b>Dyakonov surface waves: a review</b> <i>O. Takayama, L.-C. Crasovan, S. K. Johansen, D. Mihalache, D. Artigas, and L. Torner</i> Electromagnetics 28, 126-145 (2008)
15.	<b>Elliptic cylindrical invisibility cloak, a semianalytical approach using Mathieu functions</b> <i>E. Cojocaru</i> arXiv:0808.1498v1 [physics.comp-ph] 11 Aug 2008
16.	<b>ENAA Studies of Anoxic Black Sea Sediments Pollution</b> <i>Octavian G. Dului, Carmen Cristache, Gheorghe Oaie, Otilia A. Culicov, Marina V. Frontasyeva, Magdalena Toma</i> Marine pollution buletin, accepted for publication, 2008
17.	<b>Forest fire essentials: a cellular automaton-wise, percolation-oriented model</b> <i>Adrian V. Gheorghe and Dan V. Vamanu</i> International Journal of Critical Infrastructures, Volume 4, No. 4, ISSN (Print): 1475-3219, ISSN (Online): 1741-8038, pp. 430-444
18.	<b>FTIR spectral data of wood used in romanian traditional village constructions</b> <i>Dobrica Iuliana, Bugheanu Paula, Ioana Stanculescu, Corneliu Ponta</i> Anal. Univ. Buc. Chimie XVII, I, 33-37, 2008
19.	<b>High efficiency TRD for CBM in test beam and simulation</b> <i>M. Klein-Boesing, J.P. Wessels, M. Petris, M. Petrovici, V. Simion, F. Uhlig</i> CBM Progress Report 2007 (2008), p. 41, ISBN 978-3-9811298-5-4
20.	<b>Ion beam spectroscopic studies of 69As nucleus</b> <i>T. Badica, I.V.Popescu, V. Cojocaru, A. Olariu, M. Petre,</i> Book of abstracts, The 15th National Conference on Physics, Bucharest, 10-13 september 2008.
21.	<b>ISOSPIN DEPENDENCE OF INCOMPLETE FUSION REACTIONS AT 25 MEV/A</b> <i>F.Amorini, G.Cardella, G.Giuliani, M.Papa, C.Agodi, R.Alba, A.Anzalone, I.Berceanu, S.Cavallaro, M.B.Chatterjee, R.Coniglione, E.De Filippo, A.Di Pietro, E.Geraci, L.Grassi, A.Grzeszczuk, P.Figuera, E.La Guidara, G.Lanzalone, N.Le Neindre, I.Lombardo, C.Maiolino, A.Pagano, S.Pirrone, G.Politi, A.Pop, F.Porto, F.Rizzo, P.Russotto, D.Santonocito, P.Sapienza, G.Verde</i> <a href="http://arxiv.org/nucl-ex/0809.1196">http://arxiv.org/nucl-ex/0809.1196</a>
22.	<b>Magnetospirillum gryphiswaldense as a source of magnetite nanoparticles: biological and bionanotechnological significance</b> <i>C.Moiescu, M.Ignat, M.Constantin, M.Virgolici, M.Cirnu, I.Ardelean</i> Proceedings of the International Symposium on New Researches in Biotechnology - Serie F (Special Volume) 2008, pg 593 - 601, U.S.A.M.V. Bucuresti
23.	<b>Massive Gravity from Descent Equations</b> <i>D. R. Grigore, G. Scharf</i> Classical and Quantum Gravity 25 (2008) 225008 (7pp)
24.	<b>Mathieu functions approach to bidimensional scattering by dielectric elliptical cylinders</b> <i>E. Cojocaru</i> arXiv:0808.2123v1 [physics.comp-ph] 15 Aug 2008
25.	<b>Mathieu functions computational toolbox implemented in Matlab</b> <i>E. Cojocaru</i> e-print: arXiv: 0811.1970v2 [math-ph] 18 Nov 2008

26.	<b>Measurement of the in-medium K0 inclusive cross section in pi- -induced reactions at 1.15 GeV/c</b> <i>FOPI Collaboration ... M. Petrovici, V. Simion</i> arXiv:0807.3361 (July 2008)
27.	<b>Microscopical examination of plant reaction in case of infection with Trichoderma and Mycorrhizal fungi</b> <i>Mihaela ENE, Mioara ALEXANDRU</i> Romanian Biotechnological Letters, Volume 13, No.6, Pages13 - 19, 2008
28.	<b>Molecular dynamics in DTGS (ND3) by quasielastic and inelastic neutron scattering</b> <i>V. Tripadus, D. Aranghel, M. Statescu, A. Buchsteiner</i> "Chemical Physics", 353, 59-65, (2008)
29.	<b>Os fossiles humains des grottes Muierii et Cioclovina, Roumanie</b> <i>Emilian Alexandrescu, Agata Olariu, Göran Skog, Kristina Stenström, Ragnar Hellborg</i> L'Anthropologie, accet de publicare
30.	<b>PARTICLE PHYSICS : CMS EXPERIMENT</b> <i>Mirela Angela Saizu si grup CMS Catania</i> Three yearly report-2005-2007-INFN/Universita di Catania, pag.123-127, 2008
31.	<b>Periodic solutions of generalized NLS type equation in a Madelung fluid description</b> <i>Anca Visinescu, R. Fedele, S. De Nicola, D. Grecu,</i> Buletinul Institutului Politehnic Iasi seria Matematica-Fizica nr.3-4, 2008
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34.	<b>Raman study of decayed wood samples</b> <i>I. Stanculescu, M. Virgolici, M. Manea, C. Ponta</i> Analele Universitatii Bucuresti-Chimie, Anul XVII (serie noua), II, Pages 41-45 (December 2008).
35.	<b>SILICON STRIP TRACKER DETECTOR PERFORMANCE WITH COSMIC RAY DATA AT THE TRACKER INTEGRATION FACILITY</b> <i>Mirela Angela Saizu si grup CMS international</i> CERN document /CMS NOTE 2008/032, 2008
36.	<b>Study of opimal conditions for chemical processing of Agfa personal monitoring photoemulsion with an increased fogging</b> <i>Felicia MIHAI, Ana STOCHIOIU, Teodor VISAN</i> U.P.B Sci. Bull., Series B, Vol.70, Iss.4, 2008
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40.	<b>The Boundary Layer Problem in Bayesian Adaptive Quadrature</b> <i>Gh. Adam and S. Adam</i> <a href="http://arXiv.org/physics/0609223">http://arXiv.org/physics/0609223</a> ; Physics of Particles and Nuclei Letters (PEPAN Letters), vol. 5, No.3, pp.269-273
41.	<b>The conceptual model for the transport of Ra 226, U nat and heavy metals with infiltrating rainfall from the tailing dump into the underlying soil</b> <i>M. Bragea, D. Perju, M. Poiană, C. Cristache, G. Brînzei</i> -Chemical Bulletin of „Polithenica” University of Timișoara, Romania, Series of Chemistry and Environmentatla engineering, Tomul 52(66), Fascicola 1-2, 2007, ISSN 1224-6018, Editura Politehnica, p.177-181.
42.	<b>2+ within a boson expansion approach</b> $\Delta$ <b>The double beta decay 0+</b> <i>A. A. Raduta and M.c. Raduta</i> Physics AUC, vol. 18, 53-76 (2008)
43.	<b>Theoretical Analysis Versus Experimental Results on the Beta-Decay Attenuation</b> <i>I. B. Ciobanu, I. Silisteanu and D. Ionescu,</i> Buletinul Institutului Politehnic din Iasi, in print 2008
44.	<b>Unified 2+ for spherical and deformed</b> $\Delta$ <b>description of double beta decay 0+ nuclei with a projected spherical single particle basis</b> <i>A. A. Raduta and M. C. Raduta</i> Annals of Physics, Academy of Romanian Scientists, in press
45.	<b>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 (Romania) and the NMIJ (Japan)</b> <i>G.Ratel, C.Michotte, M. Sahagia and A.Yonuki</i> Metrologia 45, Technical Supplement, (2008) 06002
46.	<b>Validation of testing protocol for pharmaceutical products with antimicrobial activity</b> <i>Laura TRANDAFIR, Mihaela ENE, Mioara ALEXANDRU, Mihai CONSTANTIN</i> Innovative Romanian Food Biotechnology Volume 2, No.2 Issue of september 25, 2008 Pages 17 - 21
47.	<b>Vegetable leaves as bioindicators of heavy metal enviromental pollution</b> <i>Claudia Stihi, G. Busuioc, I.V.Popescu, T. Badica, S. Apostol, V. Stihi, Antoaneta Ene</i> The annals of the Dunarea de Jos University of Galati, Mathematics, Physics, Chemistry, Informatics, Fascicle II, New series, Yerar I(XXX)2007, p. 100-104
48.	<b>Possible links between anomalies in the photoemission, optical and phonon spectra of high-Tc cuprates</b> <b>S. Cojocar, R. Citro, and M. Marinaro</b> <b>Moldavian Journal of Physical Sciences, Volume 7, Issue 3, pp.350-358, 2008</b>
49.	<b>Quantitative Vulnerability Assessment of Critical Infrastructures: watching for hidden faults</b> <b>Adrian V. Gheorghe and Dan V. Vamanu</b> <b>International Journal of Critical Infrastructures, Vol. 4, Nos. 1/2, 2008, pp.144-152</b>

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1.	<b>A holomorphic representation of Jacobi algebra in several dimensions, in Perspectives in Operator Algebra and Mathematical Physics, F.-P. Boca, R. Purice, S. Stratila eds, Operator Algebras and mathematical Physics 3 Bucharest (Romania), August 10 - 17, 2005, The Theta Foundation, Bucharest 2008, pp 1-25; ISBN 978-973-87899-1-3</b> <i>S. Berceanu</i>
2.	<b>Alpha-halflife Estimates for the Heaviest Elements, in EXOTIC NUCLEI AND NUCLEAR /PARTICLE ASTROPHYSICS (II), AIP CONFERENCE PROCEEDINGS, Vol. 972, 2008, PP. 505-510</b> <i>Silisteanu I, Neacsu A, Silisteanu AO, Rizea M</i>
3.	<b>Analiză Matematică, apoma, MB (2008)</b> <i>M Apostol</i>
4.	<b>Aspecte ale microstructurii lichidelor magnetice, Editura Semne, ISBN 9789736245633, 2008, 130 pag</b> <i>M. Balasoiu</i>
5.	<b>Current state and future trends of the JINR networking, computing and information infrastructure, in Proceedings of the Third International Conference on Distributed computing and Grid technologies in science and education (GRID2008), JINR-Dubna, Russia, June 30 - July 04, 2008, Ed. V.V. Ivanov (JINR, Dubna), 2008, ISBN-978-5-9530-0198-4, pp. 15-21</b> <i>Gh. Adam, V.V. Ivanov, V.V. Korenkov, P.V. Zrelov and T.A. Strizh</i>
6.	<b>Dependence of Scission-Neutron Yield on Light-Fragment Mass for <math>\Omega=1/2</math>, in Dynamical Aspects of Nuclear Fission, Proceedings of the 6th International Conference, Smolenice Castle, Slovak Republic, Oct.2006, WORLD SCIENTIFIC, pp.1-7</b> <i>N. Carjan, M. Rizea</i>
7.	<b>Dependence of scission-neutrons multiplicities and primary-fragments excitation energy on mass asymmetry in low energy fission, in Proceedings of 23rd International Nuclear Physics Conference, Tokyo, Japan, Vol.II, pp.437-439 (2008)</b> <i>N. Carjan, M. Rizea</i>
8.	<b>Dynamical approach to scission-neutron emission in low energy fission, in Proceedings of the International Conference on Nuclear Data for Science and Technology - ND2007, Nice, France, EDPSCIENCES, pp.321-324 (2008)</b> <i>N. Carjan, H. Goutte, M. Rizea, O. Serot, P. Talou</i>
9.	<b>Exotic Nuclei and Nuclear/Particle Astrophysics (II), AIP conference proceedings, Melville, New York, 2008.</b> <i>L. Trache si S. Stoica</i>
10.	<b>Exponential fitting method for the time-dependent Schrodinger equation, Proceedings of the International Conference on Computational and Mathematical Methods in Science and Engineering, CMMSE 2008, La Manga, Murcia, Spain, pp.521-531</b> <i>M. Rizea</i>
11.	<b>Frontiers in Modern Plasma Physics, eds. P.K. Shukla, B. Eliasson, AIP CP1061, pp. 273-281 (2008)</b> <i>Renato Fedele, Sergio de Nicola, Dan Grecu, Padma Shukla and Anca Visinescu</i>
12.	<b>IAEA - TRS – XXXX, Handbook of parameter values for the prediction of radionuclide transfer to humans in terrestrial and freshwater environments, Chapter 10 - Specific activity models and parameter values for Tritium, <math>^{14}\text{C}</math> and <math>^{36}\text{Cl}</math>, International Atomic</b>

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13.	<b>Influence of the interprocessor network on the parallel solution of Yang-Mills -- dilaton problem, in Proceedings of the 12-th Conference of Young Scientists in JINR Dubna, 4-8 February 2008, ISBN 978-5-9751-0045-0, ed. Yu. A. Vaseneva, (JINR Publishing House, Dubna), 2008, pp. 92-95.</b> <i>A. Lutsenko, Gh. Adam, S. Adam, A. Ayriyan, E. Hayryan, O. Streltsova, E. Donets, J. Busa, I. Pokorny</i>
14.	<b>Monographie BIPM-5. Table of Radionuclides (Vol. 4 - A= 133 to 252), ed. Bureau International des Poids et Mesures, Pavillon de Breteuil, F-92310 Sevres, France, 2008, pp. 177-182</b> <i>M.-M. Be, V. Chiste, C. Dulieu, E. Browne, V. Chechev, N. Kuzmenko, F. Kondev, A. Luca, M. Galan, A. Pearce and X. Huang</i>
15.	<b>Non-Standard Symmetries and Quantum Anomalies, in AIP Conference Proceedings vol.1030, proceedings of conf. Scadron70, Lisbon, Portugal, 11-16 Feb. 2008, pag. 232-237</b> <i>Anca Visinescu, M. Visinescu</i>
16.	<b>Numerical modeling of scission neutrons emitted during nuclear fission, in EXOTIC NUCLEI AND NUCLEAR /PARTICLE ASTROPHYSICS (II), AIP CONFERENCE PROCEEDINGS, Vol. 972, 2008, PP. 526-530</b> <i>Rizea M, Carjan N</i>
17.	<b>On the Numerical Solution of the Time-Dependent Schrodinger Equation with Time-Dependent Potentials, in NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, AIP CONFERENCE PROCEEDINGS, Vol. 1048, 2008, pp. 1011-1015</b> <i>M. Rizea</i>
18.	<b>Performance assessment of JINR CICC supercomputer, in Proceedings of the 12-th Conference of Young Scientists in JINR Dubna, 4-8 February 2008, ed. Yu. A. Vaseneva, ISBN 978-5-9751-0045-0, (JINR Publishing House, Dubna), 2008, pp.71-74</b> <i>A. Ayriyan, Gh. Adam, S. Adam, E. Dushanov, V. Korenkov, A. Lutsenko, V. Mitsyn, O. Streltsova</i>
19.	<b>Performance assessment of the 2008 configuration of the CICC JINR cluster, in Proceedings of the Third International Conference on Distributed computing and Grid technologies in science and education (GRID2008), JINR-Dubna, Russia, June 30 - July 04, 2008, Ed. V.V. Ivanov (JINR, Dubna), 2008, ISBN-978-5-9530-0198-4, pp. 283-286</b> <i>Gh. Adam, S. Adam, A. Ayriyan, V.V. Korenkov and V.V. Mitsyn</i>
20.	<b>Proceedings of the MG11 Meeting on General Relativity, ed. H. Kleinert, R. Jantzen, R. Ruffini (World Scientific, New Jersey)2008, pp.1335-1338</b> <i>Anca Visinescu, Mihai Visinescu</i>
21.	<b>Proceedings of the MG11 Meeting on General Relativity, ed. H. Kleinert, R. Jantzen, R. Ruffini (World Scientific, New Jersey)2008, pp.2656-2659</b> <i>Mihai Visinescu and Anca Visinescu</i>
22.	<b>Quasi-free quantum statistical models for tunneling junctions, in Topics in Applied Mathematics &amp; Mathematical Physics, eds. C. P. Grunfeld, S. Ion and G. Marinoschi (Editura Academiei Romane, Bucuresti) 2008, pp. 11--44</b> <i>N. Angelescu, M. Bundaru, R. Bundaru</i>
23.	<b>SCADRON70 Workshop on Scalar Mesons and Related Topics, AIP Conference Proceedings, vol. 1030, eds. G. Rupp, F. Kleefeld, E. van Beveren, B. Hiller, P. Bicudo, (AIP, Melville, New York, 2008), pp.232-237</b> <i>Anca Visinescu and Mihai Visinescu</i>

24.	<b>Spanish Relativity Meeting Encuentros Relativistas Espanoles ERE2007, Volume 30, eds. A. Oscoz, E. Mediavilla, M. Serra-Ricart (EDP Sciences, Les Ulis, France, 2008), pp. 253-256</b> <i>Mihai Visinescu</i>
25.	<b>The Eleventh MARCEL GROSSMANN MEETING, eds. H. Kleinert, R. Jantzen (World Scientific, Singapore, 2008), pp. 1335-1337</b> <i>Anca Visinescu and Mihai Visinescu</i>
26.	<b>The Eleventh MARCEL GROSSMANN MEETING, eds. H. Kleinert, R. Jantzen (World Scientific, Singapore, 2008), pp. 2556-2558</b> <i>Mihai Visinescu and Anca Visinescu</i>

## Anexa 5.2: Lucrări științifice prezentate la conferințe internaționale cu comitet de program

### 2008 Titlu/Autori/Conferința

1.	<p><b>[18F]FDG SYNTHESIS BY AN AUTOMATED COMPUTER CONTROLLED SYSTEM: IMPROVEMENTS AND GENERAL CONSIDERATIONS</b>  <i>Liviu Stefan Craciun, Catalina Cimpeanu, Olimpiu Constantinescu, Cristina Ionescu, Dorin Dudu, Nicolae Negoita, Petru Mihai Racolta</i>          Workshop Radioisotopes &amp; Biomolecules, a Partnership for the Early Diagnosis and Targeted Radiotherapy of Cancer, Bucharest, Romania, November 26-28, 2008</p>
2.	<p><b>[Methyl-3H] S-adenosyl-methionine, [Methyl-14C] choline and [Methyl-3H]-thymidine in evaluation of the association between plasma homocysteine concentration and transmethylation metabolism</b>  <i>Valeria Lungu, Diana Chiper, Leon Danaila, Lidia Matei, Catalina Barna, Catalina Cimpeanu, Cristian Postolache</i>          15th Workshop The Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, 12-13 June 2008, Bad Soden, Germania</p>
3.	<p><b>177LU-DOTA-OCTREOTATE IN TARGETED THERAPY OF NEUROENDOCRINE TUMORS</b>  <i>Valeria Lungu, Dana Niculae, Diana Chiper</i>          Research Days Euroaction, Bucharest, Romania, September 26-October, 2008</p>
4.	<p><b>188Re-anti-VEGF-Mab tumor uptake and therapeutic effect</b>  <i>V. Lungu, D. Nicolae, I Gruia, V. Fugare, R. Anghel, I. Petcu, D. Savu</i>          The Quaterely Journal of Nuclear Medicine and Molecular Imaging, 2008, vol 52 no 2, pg 12 - 19-th Meeting of the International Research Group in Immuno-scintigraphy and Therapy, June 25-28,2008, Krakow, Poland</p>
5.	<p><b>188Re-anti-VEGF-Mab.Synthesis and in vitro studies</b>  <i>Valeria Lungu, Dana Niculae, Lorelai Brasoveanu, Catalina Cimpeanu, Diana Savu</i>          2nd International Nuclear Chemistry Congress (2nd INCC), Cancun, Mexic, 11-20 april 2008</p>
6.	<p><b>188Re-DOTA-TATE. Captare tumorala si efect terapeutic</b>  <i>Valeria Lungu, Dana Niculae, Marina Iliescu, Diana Chiper , P.M. Racolta, Iuliana Gruia, Ileana Petcu, M. Radu, Diana Savu, Valentina Negoita, Rodica Anghel</i>          Simpozion National VIASAN-CEEX , Sinaia, Romania,28-30 Septembrie 2008</p>
7.	<p><b>2\(\nu\)\beta\beta decay to one phonon states</b>  <i>A. A. Raduta and C. M. Raduta</i>          International Conference on Theoretical Physics. Centenar Titeica, Sinaia, May 2008</p>
8.	<p><b>2+ within a boson expansion approach</b>◇<b>The double beta decay 0+</b>  <i>A. A. Raduta</i>          Quantum field theory&amp;Hamiltonian systems, Calimanest-Caciulata, 6-11 May</p>
9.	<p><b>A decade of experiments and recent upgradings at the AMS facility in Bucharest</b>  <i>C.Stan-Sion, M.Enachescu , O.Constantinescu, M.Dogaru</i>          The Eleventh International Conference on Accelerator Mass Spectrometry ,Rome,Italy, September 14-19, 2008</p>
10.	<p><b>A Dedicated Torsion Balance to Detect Neutrinos by Coherent Scattering on High Debye Temperature Monocrystals</b>  <i>I.Cruceru, G.Nicolescu, Octavian Dului</i></p>

	The XXIII International Conference on Neutrino Physics and Astrophysics, 25-31 May 2008, Chrystchurch, New Zealand
11.	<b>A fluorescent study of the interactions between antibiotics and the Outer Membrane Porin F inserted in model membranes</b> <i>Mihaela Bacalum, M. Radu</i> National Conference of Physics, Magurele, Romania, September 12-13, 2008
12.	<b>A General Search for New Phenomena in e-p Scattering at HERA</b> <i>Marina Rotaru</i> CNF 2008
13.	<b>A multifunctional counter for backscattering Moessbauer spectroscopy</b> <i>I. Bibicu; G. Nicolescu; C. Cretu</i> CNF - 2008
14.	<b>A NEW RESEARCH CENTER FOR RADIOPHARMACEUTICALS IN IFIN-HH</b> <i>Liviu Stefan Craciun, Ioan Ursu, Petru Mihai Racolta</i> Workshop Radioisotopes & Biomolecules, a Partnership for the Early Diagnosis and Targeted Radiotherapy of Cancer, Bucharest, Romania, November 26-28, 2008
15.	<b>A retrospective review of JINR – IFIN-HH collaborative projects based on NAA</b> <i>A. PANTELICA, C.R. BADITA, M. FRONTASYEVA and O. CULICOV,</i> 16th INTERNATIONAL SEMINAR ON INTERACTION OF NEUTRONS WITH NUCLEI: «Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics» June 11-14, 2008, Dubna, Russia
16.	<b>A Search for Excited Quarks at H1 for the channel <math>q^* \rightarrow qW</math></b> <i>M. Dobre</i> Conferinta Nationala de Fizica (CNF 2008), Magurele, Romania, 10-13 Septembrie, 2008
17.	<b>A study for detection of irradiated fish and seafoods using gas chromatographic and ESR methods</b> <i>M. Virgolici, M. Cutrubinis, A.V. Medvedovici, M.M. Manea, C.C. Ponta, I.V. Moise, R. Georgescu</i> CONFERINTA NATIONALA DE FIZICA (CNF'08), BUCURESTI-MAGURELE, ROMANIA, SEPTEMBER 10-13 2008
18.	<b>A Study on optimization the sample preparation for gas chromatographic methods used in routine irradiated foodstuffs detection</b> <i>M. Virgolici, A.V. Medvedovici, M.M. Manea, M. Cutrubinis, I.V. Moise, R. Georgescu</i> Recent Developments and Applications of Nuclear Technologies (Nucleartech'08), Bialowieza, Poland, September 15-17, 2008
19.	<b>A two-parameter generalization of the complete elliptic integral of second kind</b> <i>Victor Barsan</i> The 5th Colloquium Mathematics in Engineering and Numerical Physics, October 9-11, Bucharest
20.	<b>AAS and NAA methods applied in environmental studies using mosses as bioindicators</b> <i>A.Gheboianu, I.V.Popescu, C.Stihi,M.Belc, I.Bancuta, Gh.Vlaicu, M.V.Frontasyeva,O.Culicov</i> 9th International Balkan Workshop on applied physics, July,7-9,2008,Constanta,Romania
21.	<b>Accidental release of tritiated water - toward a better radiological assessment</b> <i>D. Galeriu, A. Melintescu, D. Slavnicu, D. Gheorghiu, V. Simionov</i> International Conference on Radioecology & Environmental Radioactivity, 15 – 20 June 2008, Bergen, Norway, ISBN 978-82-90362-25-1, follow to be published in Radioprotection

22.	<p><b>Activity measurements of technically enhanced naturally occurring radionuclides (TENORM) in phosphogypsum</b>  <i>A. Luca, R. Margineanu, M. Sahagia, A.C. Watjen</i>            5th International Conference on Radionuclide Metrology Low-level Radioactivity Measurement Techniques (ICRM-LLRMT'08), Braunschweig, Germany, September 22-26, 2008</p>
23.	<p><b>Actual trends in threshold limits values evaluation: application to halogen containing compounds using multilinear regression method (II)</b>  <i>Roxana Done, Ioana Stanculescu and Cristina Mandravel</i>            RomPhysChem 13, September 3 - 5, 2008, Bucharest - ROMANIA</p>
24.	<p><b>Actual trends in threshold limits values evaluation: application to halogen containing compounds using the multilinear regression method (I)</b>  <i>Ioana Stanculescu, Roxana Done, Cristina Mandravel</i>            Proc. 32rd ARA Congress, Boston, USA, July 22-26, 2008</p>
25.	<p><b>Agenti radiomarcați pentru detectarea și vizualizarea leziunilor hemostatice</b>  <i>Dana Niculae, Valeria Lungu</i>            Workshop Studiul tulburărilor de hemostază în trauma multiplă, cu elaborarea și implementarea unui algoritm de diagnostic și tratament în secțiile de terapie intensivă din România, cu scopul reducerii mortalității și morbidității, Bucuresti, 04 Octombrie, 2008</p>
26.	<p><b>ALICE TRD Status of Chamber Construction and Testing at Departament of Hadronic Physics from IFIN-HH</b>  <i>Mariana Petris</i>            15th National Conference on Physics, Bucharest, 10-13 September 2008</p>
27.	<p><b>Alpha clustering in nuclei</b>  <i>D.S. Delion</i>            The National Conference on Theoretical Physics, Busteni, Romania, 10-13 June 2008</p>
28.	<p><b>alpha decay halflives for ground and excited states of the heaviest nuclei</b>  <i>A. Neacsu, I. Silisteanu, M. Rizea</i>            Nuclear Reactions with Exotic Nuclei for Astrophysics Sinaia 2008</p>
29.	<p><b>Alpha decay of SHE 112-118</b>  <i>B. Ciobanu, I. Silisteanu, A. Neacsu</i>            Conferinta Nationala de Fizica - Bucuresti</p>
30.	<p><b>Alpha decay versus alpha clustering</b>  <i>D.S. Delion</i>            State of the Art in Nuclear Cluster Physics, Strasbourg, France, 13-16 May 2008</p>
31.	<p><b>AMS-high sensitive method of nuclear monitoring and environment protection</b>  <i>C.Stan-Sion, M.Enachescu, O.Constantinescu, M.Dogaru, A.Petre</i>            CEEEX conference 2008, Brasov, July 27-29, 2008</p>
32.	<p><b>An analytical approximation for Bessel and Kelvin functions of integer order and its applications in physics</b>  <i>Victor Barsan</i>            The 5th Colloquium Mathematics in Engineering and Numerical Physics (MENP5), October 9-11, Bucharest</p>
33.	<p><b>Analysis of deuteron elastic scattering and induced activation on light and medium nuclei for IFMIF EVEDA</b>  <i>M. Avrigeanu, W. von Oertzen, R.A.Forrest, A.C. Obreja, F.L. Roman, and V. Avrigeanu</i>            25th Symposium on Fusion Technology – SOFT-2008, 15-19 September 2008, Rostock, Germany</p>

34.	<p><b>Analysis of inclined showers measured with LOPES</b>  <i>A. Saftoiu, W.D. Apel, J.C. Arteaga, T. Asch, J. Auffenberg, F. Badea, L. Bahren, K. Bekk, M. Bertaina, P.L. Biermann, J. Blumer, H. Bozdog, I.M. Brancus, M. Bruggemann, P. Buchholz, S. Buitink, E. Cantoni, A. Chiavassa, F. Cossavella, K. Daumille, V. de Souza, F. Di Pierro, P. Doll, R. Engel, H. Falcke, M. Finger, D. Fuhrmann, H. Gemmeke, P.L. Ghia, R. Glasstetter, C. Grupen, A. Haungs, D. Heck, J.R. H<sup>o</sup>randel, A. Horneffer, T. Huege, P.G. Isar, K.-H. Kampert, D. Kang, D. Kickelbick, Y. Kolotaev, O. Kromer, J. Kuijpers, S. Lafebre, P. Luczak, H.J. Mathes, H.J. Mayer, J. Milke, B. Mitrica, C. Morello, G. Navarra, S. Nehls, A. Nigl, J. Oehlschlager, S. Over, M. Petcu, T. Pierog, J. Rautenberg, H. Rebel, M. Roth, H. Schieler, A. Schmidt, F. Schroder, O. Sima, K. Singh, M. St<sup>u</sup>mpert, G. Toma, G.C. Trinchero, H. Ulrich, W. Walkowiak, A. Weindl, J. Wochele, M. Wommer, J. Zabierowski, J.A. Zensus</i>  3rd International Workshop on the Acoustic and Radio EeV Neutrino detection Activities, 25-27 june 2008, Rome</p>
35.	<p><b>Analysis of the potential disadvantages of chemical countermeasures against the transfer of radiocaesium to plants</b>  <i>J. Guillen, A. Baeza, N. Mocanu</i>  The International Conference on Radioecology &amp; Environmental Radioactivity, Bergen, Norway, June 15-20, 2008</p>
36.	<p><b>Angle-resolved PIXE analysis of natural Hidroxyapatite films</b>  <i>Eugen A. Preoteasa, Daniel D. Marin, Dan Gurban, Adela Scafes</i>  20th International Conference on the Application of Accelerators in Research and Industry, Fort Worth, Texas, SUA, August 10-15, 2008</p>
37.	<p><b>Anisotropic interaction of two-level systems with elastic waves in disordered crystals</b>  <i>D. V. Anghel and D. Churochkin</i>  EXPLORING ROMANIAN RESOURCES IN MATERIALS RESEARCH, Brasov, 7-8.07.2008</p>
38.	<p><b>Applications of High Energy PIXE using 18 MeV protons to the study of archeometrical samples</b>  <i>J. García-López, I. Ortega-Feliu, R. Bugoi, Y. Morilla</i>  20th International Conference on the Application of Accelerators in Research and Industry, Denton, Texas, 10-15 August 2008</p>
39.	<p><b>Applications of the Jacobi group to Quantum Mechanics</b> <b>S. Berceanu, A. Gheorghe</b>  <i>S. Berceanu, A. Gheorghe</i>  the Third National Conference on Theoretical Physics, Busteni, Romania, June 10 -13, 2008</p>
40.	<p><b>Archaeometrical measurements using X-ray fluorescence</b>  <i>Cătălina Pauna, Bogdan Constantinescu, Anca Diana Popescu, A. Vilcu</i>  National Conference on Physics 2008, September 10 - 13, 2008</p>
41.	<p><b>Archaeometrical studies using X-ray fluorescence (XRF) method</b>  <i>Cătălina Păuna, Bogdan Constantinescu and Florin Constantin,</i>  The 3rd Symposium on Archaeometry ,Curtea de Arges, Romania, October 29th-31st 2008</p>
42.	<p><b>Archaeometrical studies using X-ray fluorescence</b>  <i>Catalina Pauna</i>  FIN-HH'08 Magurele, 18 Decembrie 2008</p>
43.	<p><b>ARCHIVES DECONTAMINATION BY GAMMA IRRADIATION</b>  <i>E. Bratu, I.V.Moise</i>  Recent Developments and Applications of Nuclear Technologies (Nucleartech'08), Bialowieza, Poland, September 15-17, 2008</p>



44.	<b>Astrophysical S factor for alpha-capture on <math>^{117}\text{Sn}</math></b> <i>I.Cata-Danil, D.Filipescu, M.Ivascu, D.Bucurescu, N.V.Zamfir, T.Glodariu, L.Stroe, G.Cata-Danil, D.G.Ghita, C.Mihai, G.Suliman, T.Sava</i> Conferinta Nationala de Fizica 2008
45.	<b>Axion emission from neutron stars</b> <i>B. Pastrav, S. Stoica</i> 15th National Conference on Physics, Bucharest-Magurele, September 10-13, 2008
46.	<b>Axion emissivities by nucleon bremsstrahlung from NS cores</b> <i>B. Pastrav, S. Stoica</i> Nuclear Reactions with Exotic Nuclei for Astrophysics, Sinaia, Romania, 23-27 June, 2008
47.	<b>Behavior of fluoropolymers in presence of tritiated water</b> <i>L. Matei, G. bubueanu, C. Postolache, C. Podina</i> International Conference of Physical Chemistry, ROMPHYSCHEM-13, Bucuresti, Romania, September 3-5, 2008
48.	<b>Behavior of Hydrophobic Catalysts and NAFION Membrane in Presence of High Activity Tritiated Water</b> <i>C. Postolache, Mihaela Vladu, S. Brad, Lidia Matei, G. Bubueanu, C. Tuta</i> The 14th International Conference Progress in Cryogenics and Isotopes Separation, Calimanesti-Caciulata Romania, October, 29-31, 2008
49.	<b>BETALAB Laboratory. An overview for Radiocarbon dating</b> <i>Corina Anca Simion</i> "Archaeomet, 03", Curtea de Arges, 29-31 octombrie 2008
50.	<b>Better longitudinal function in endurance-trained athletes by comparison with strength-trained athletes, related to optimized ventriculo-arterial interaction</b> <i>Florescu M, Petcu I, Palombo C, Cinteza M, Vinereanu D</i> American Heart Association Scientific Sessions Congress, New-Orleans, nov 2008
51.	<b>Bianchi type I magnetic string cosmological model</b> <i>Bijan Saha and Mihai Visinescu</i> Workshop on QFT and Hamiltonian Systems, Calimanesti, Romania, May 2008
52.	<b>Bianchi type I string cosmological model in the presence of a magnetic field</b> <i>Bijan Saha, Victor Rikhvitsky and Mihai Visinescu</i> National Conference of Physics, Magurele, Bucharest, September 2008
53.	<b>Binary and ternary emission from superheavy nuclei, Oral Communication</b> <i>R. A. Gherghescu, D. N. Poenaru, W. Greiner</i> First Workshop on State of the Art in Nuclear Cluster Physics, Strasbourg, May 13 -16, 2008
54.	<b>Biocompatibility of Materials – Concepts and Practices</b> <i>Diana Savu, Ileana Petcu, C. Mustaciosu, M. Radu</i> National Conference of Physics, Magurele, Romania, September 12-13, 2008
55.	<b>BioEval facilities for evaluation of radiopharmaceuticals toxicity and materials biocompatibility</b> <i>C. Mustaciosu, D. Savu, I. Petcu, D. Nicolae, V. Lungu, M.Radu</i> International Workshop on Radioisotopes and Biomolecules – A Partnership for the Early Diagnosis and Targeted Radiotherapy of Cancer, November 26-28, Bucharest, 2008
56.	<b>Boron neutron capture therapy setup for a linear accelerator</b> <i>C.F. Chiojdeanu, C. Pavel, F. Constantin</i> National Conference on Physics 2008, September 10 - 13, 2008
57.	<b>Causality in Noncommutative Field Theory</b> <i>C. S. Acatrinei</i>

	3RD NATIONAL CONFERENCE ON THEORETICAL PHYSICS, BUȘTENI, ROMANIA, JUNE 10-13., 2008
58.	<b>CDBS studies on Aluminum at NIPNE-HH</b> <i>C. Chiojdeanu, F. Constantin, L. Craciun, C. Ionescu, P.M. Racolta, M. Straticiu</i> 8th International Conference on Physics of Advanced Materials (ICPAM-8)
59.	<b>Cercetari privind cartarea nationala a Radonului (in interior si in diferiti factori de mediu) pentru protectia populatiei in conformitate cu cerintele normelor internationale si ale UE</b> <i>Lidia Purghel, Constantin Cosma, Rodica Iancu, Beatris Neacsu, Stela Patrascu</i> Sesiunea Stiintifica MENER SINAIA, 4-7 SEPTEMBRIE 2008
60.	<b>Chromosomal Radiosensitivity of Peripheral Blood Lymphocytes in Cancer Patients</b> <i>Diana Savu, Sabin Cincea, Rodica Anghel, Ileana Petcu</i> International Workshop on Radioisotopes and Biomolecules – A Partnership for the Early Diagnosis and Targeted Radiotherapy of Cancer, November 26-28, Bucharest, 2008
61.	<b>CICC JINR Cluster 2008 Performance Improvement</b> <i>A. Ayriyan, Gh. Adam, S. Adam, V. Korenkov, A. Lutsenko, V. Mitsyn</i> The XII Advanced Computing and Analysis Techniques in Physics Research (ACAT08), Erice, Italy, November 3-7 2008
62.	<b>Click chemistry approaches in the synthesis of radiopharmaceuticals</b> <i>Marina Iliescu, Dana Niculae, Valeria Lungu, C. Podina</i> Workshop Radioisotopes& Biomolecules, a Partnership for the Early Diagnosis and Targeted Radiotherapy of Cancer, Bucharest, Romania, November 26-28 , 2008
63.	<b>Cluster radioactivity --- Past, present and future, invited talk,</b> <i>D. N. Poenaru, W. Greiner</i> First Workshop on State of the Art in Nuclear Cluster Physics, Strasbourg, May 13 -16, 2008
64.	<b>Coherence Domains in Matter Interacting with Radiation</b> <i>M Apostol</i> IFIN HH, Seminar General
65.	<b>Colinear three center shellmodel, Oral Communication</b> <i>R. A. Gherghescu, D. N. Poenaru, I. H. Plonski</i> National Conference on Physics 2008, Bucharest 10-12 September.
66.	<b>Collective dynamics of water and biological roles in the living cell. A new model and some new hypotheses</b> <i>Eugen A. Preoteasa and Marian V. Apostol</i> International Froehlich's Symposium Biophysical Aspects of Cancer Electromagnetic Mechanisms BACEM, July 1-3, 2008, Prague, Czech Republic
67.	<b>Collective phenomena in heavy ion central collisions</b> <i>C. Andrei, I. Berceanu , A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua</i> ALICE-Workshop, August 20-24, 2008, Sibiu - Romania, <a href="http://niham.nipne.ro/aliceworkshop08/download/Cristi_Sibiu08.pdf">http://niham.nipne.ro/aliceworkshop08/download/Cristi_Sibiu08.pdf</a>
68.	<b>Collective Phenomena in Heavy Ion Collision</b> <i>M. Petrovici, C. Andrei, I. Berceanu, A. Herghelegiu, A. Pop, C. Schiaua</i> The 3rd Light Ion Nuclear Collision Workshop, Protvino, Russia, 18-21 June, 2008
69.	<b>Collective phenomena in mid-central heavy ion collisions</b> <i>A. Herghelegiu, C. Andrei, I. Berceanu, M. Petrovici, A. Pop, C. Schiaua</i> ALICE-Workshop, August 20-24, Sibiu - Romania, 2008

70.	<b>Collinear three center shell model</b> <i>R. A. Gherghescu, D. N. Poenaru and I. H. Plonski</i> National Conference on Physics 2008, Bucharest 10-12 Sept., 2008
71.	<b>Colour measurements intercomparison of disinfected by irradiation polychromed wooden objects</b> <i>C. D. Negut, L. Cortella, M. Cutrubinis, K. Tran and C. C. Ponta</i> International Conference on Wood Science for Preservation of Cultural Heritage: Mechanical and Biological Factors, Joint Meeting of COST Action IE0601 “Wood Science for Conservation of Cultural Heritage” and the European Society for Wood Mechanics, Braga, Portugal, November 5-7 2008
72.	<b>Comparative study of physical, chemical and biological methods for detection of irradiated foodstuffs</b> <i>M. CUTRUBINIS, M. VIRGOLICI, D. NEGUT, M. ALEXANDRU, L. TRANDAFIR, M. MANEA, M. CONSTANTIN</i> NATIONAL CONFERENCE ON APPLIED PHYSICS, 4th Edition, Galati, Romania, September 25 – 26, 2008
73.	<b>Complete System for Dosing and Analyzing of the Working Gases for Reactive PVD Methods/ Plants</b> <i>Alice Mateescu; Gheorghe Mateescu</i> International Lasers Applications-INDLASS 2008, 20-23 Mai, Bran
74.	<b>Complete System for Partial Pressure and Leaks Detection Control, in the PVD Reactive Processes, Poster at INDLAS 2008</b> <i>Alice Mateescu &amp; Gheorghe Mateescu</i> International Lasers Applications-INDLAS 2008, Bran 20-23 Mai 2008
75.	<b>Complex EXCITED VAMPIR - beyond Mean-Field Approach with Symmetry Projection before Variation for Nuclear Structure</b> <i>A. Petrovici</i> seminar given at ISOLDE -CERN, 30 September 2008, online at: <a href="http://indico.cern.ch/conferenceDisplay.py?confId=41923">http://indico.cern.ch/conferenceDisplay.py?confId=41923</a>
76.	<b>Complex EXCITED VAMPIR beyond mean-field approach with symmetry projection before variation for nuclear structure and its way to perform chains of symmetry projected calculations</b> <i>A. Petrovici</i> invited talk at the Cross-fertilization between Shell-Model and Energy Density Functional methods workshop, 7-10 April 2008, Paris-Saclay, on line at: <a href="http://irfu.cea.fr/Sphn/Espace_Theorie/Avr2008/talks/index.php">http://irfu.cea.fr/Sphn/Espace_Theorie/Avr2008/talks/index.php</a>
77.	<b>Compositional analyses of pre- and proto-historic precious metal objects from the collection of the National History Museum of Romania: alluvial, primary and refined gold, electrum, auriferous silver</b> <i>Bogdan Constantinescu, Cătălina Păuna, Daniela Stan, Gheorghe Niculescu, Migdonia Georgescu, Ernest Oberländer-Târnoveanu,</i> The 3rd Symposium on Archaeometry, Curtea de Arges, Romania, October 29th-31st 2008
78.	<b>Compositional studies of Transylvanian gold for archaeological objects provenance determination</b> <i>B. Constantinescu, D. Stan, R. Bugoi, V. Cojocaru, E. Oberlaender-Tarnoveanu, M. Radtke</i> National Physics Conference, Bucharest, Romania, 10-13 September 2008.
79.	<b>Concept for a primary Romanian radon standard</b> <i>M. Sahagia, D. Stanga, A. C. Wätjen, A. Luca, L. Toro, C. Varlam, P. Cassette</i> IRPA 12 International Congress of the International Radiation Protection Association, Buenos

	Aires, 19-24 octombrie 2008, Proc ID2398
80.	<b>Concluding remarks on neutrino physics at CSSP07</b> <i>S. Stoica</i> CSSP07: Exotic Nuclei and Nuclear/Particle Astrophysics (II)
81.	<b>Conditioning of Tritiated Liquid Organic Wastes,</b> <i>C. Postolache, S. Brad, Lidia Matei, Diana Chiper, G. Bubueanu</i> 4th ICIT Conference with International participation Progress in Cryogenics and Isotope Separation, Calimanesti-Caciulata, Romania, October 29-31, 2008;
82.	<b>Conformal Killing-Yano tensors on manifolds with mixed 3-structures</b> <i>Stere Ianus, Mihai Visinescu and Gabriel-Eduard Viilcu</i> The XVIIth International Colloquium on Integrable Systems and Quantum Symmetries, Prague, June 2008
83.	<b>Connections between some anomalies of the photoemission, optical and phonon spectra of high-Tc cuprates</b> <i>S. Cojocaru, R. Citro, and M. Marinaro</i> conferinta nationala de fizica, 10-13 septembrie 2008
84.	<b>Consistent Performance Assessment of Multicore Computer Systems</b> <i>Gh. Adam, S. Adam, A. Ayriyan, V. Korenkov, V. Mitsyn, M. Dulea and I. Vasile</i> Third National Conference on Theoretical Physics (3NCTP), Busteni, Romania, June 10-13, 2008
85.	<b>Current- dependent resistance in gamma-irradiated CrO<sub>2</sub>-PMMA-Styrene composites,</b> <i>V. Sandu, S. Popa, I. Ivan, E. Sandu, N. Hurduc, I. Nor</i> 2nd WUN International Conference on Spintronic Materials and Technology WUN- SPIN 08, Nanjing, China, July, 13-19, 2008
86.	<b>Current state and future trends of the JINR networking, computing and information infrastructure</b> <i>Gh. Adam, V.V. Ivanov, V.V. Korenkov, P.V. Zrelov and T.A. Strizh</i> Third International Conference on Distributed computing and Grid technologies in science and education (GRID2008), JINR-Dubna, Russia, June 30 - July 04, 2008
87.	<b>Cytotoxic effects of 2-dodecylcyclobutanone on human lymphocytes</b> <i>C. Mustaciosu, Ileana Petcu, Diana Savu, M. Radu</i> FEBS Journal, vol 275, supl 1, July 2008, p. 366 - 33rd FEBS Congress & 11th IUBMB Conference, June 28-July 3, 2008, Athens, Greece
88.	<b>Decision Support Systems - the evaluation of health and environmental impact in a radioactive release</b> <i>D.S.Slavnicu, D.V.Vamanu, D.Gheorghiu, B.I.Vamanu, V.T.Acasandrei, A.Gheorghiu</i> Conferinta Nationala de Fizica - 2008
89.	<b>Decision support systems and emergency response exercises - lessons and issues</b> <i>Dan S. Slavnicu, Dan.V.Vamanu, Dorina Gheorghiu, Valentin T.Acasandrei, Bogdan V.Vamanu</i> International Conference on Radiology and Environmental Radioactivity, Bergen, Norway, June 15-20, 2008
90.	<b>Decision Support Systems and Health and Environmental Impact in a Radioactive Release</b> <i>Dan V. Vamanu, Dan S. Slavnicu, Dorina Gheorghiu, Valentin T. Acasandrei and Bogdan I. Vamanu</i> Sesiunea stiintifica "Stiinte aplicate in studiul mediului inconjurator si materialelor", Targoviste, 4-6 iunie, 2008

91.	<b>Decision support systems. The evaluation of health and environmental impact in a radioactive release</b> <i>D.S.Slavnicu, D.V.Vamanu, D.Ghoerghiu, A.Gheorghiu, V.T.Acasandrei, B.I.Vamanu</i> 15th National Conference on Physics, Bucharest, September 10-13, 2008
92.	<b>Deep Sub-barrier Fusion of Heavy Ions</b> <i>S.Misicu and H. Esbensen</i> 6th International Conference on DYNAMICAL ASPECTS OF NUCLEAR FISSION, Smolenice Castle, October 2 - 6, 2006 Smolenice Castle, Slovak Republic, Eds. J. Kliman, M. G. Itkis, S. Gmuca, p.82, World Scientific, Singapore, 2008.
93.	<b>Defects induced by proton irradiation in CdTe thin films used as absorber in photovoltaic applications</b> <i>Veta Ghenescu, L.Ion, M. Ghenescu, D. Bazavan, Rosemary Bazavan, V. Covlea, G. Velisa, M. Gugiu, S. Antohe</i> E-MRS 2008 Spring Meeting
94.	<b>Design of an automated system for synthesis of { 18 F} FDG for PET investigation at IFIN - HH Bucharest</b> <i>L.Craciun, Catalina Campeanu, O.Constantinescu, D.Dudu, Cristina Ionescu, N.Negoita, P.M.Racolta, I.Rusen</i> 20-th International Conference of the Applications of Accelerators in Research and Industry CAARI, Fort Worth, Texas, Usa, August 10-15, 2008
95.	<b>Determinarea prin metode nucleare a concentratiilor elementale in legume din zona industriala Targoviste</b> <i>A. Pantelica, C.R. Badita, O. Culicov, M. Frontasyeva, I. Companis, M. Gugiu, I.V. Popescu</i> SESIUNEA STIINTIFICA: "STIINTE APLICATE IN STUDIUL MEDIULUI INCONJURATOR ȘI MATERIALELOR", 5-6 IUNIE 2008, TARGOVISTE
96.	<b>Determination of citotoxicity induced by reactive oxygen species after experimental tumors treatment with radiolabelled anti-VEGF monoclonal antibodies</b> <i>Maria Iuliana Gruia, Valentina Negoita, Monica Vasilescu, Dana Niculae, Valeria Lungu, Rodica Anghel</i> COST BM0607 Action Targeted Radionuclide Therapy Meeting, Krakow, Poland, June 24-25, 2008
97.	<b>Determination of trace anions in water from the spent nuclear fuel wet storage</b> <i>Elena Neacsu, Catalin Tuta, Virginia Borza, Carmen Mustata, Corneliu Podina</i> The 15th Bad Soden IIS Meeting, Bad Soden, Germany, 12-13 June, 2008,
98.	<b>Determination of Tritiated Water Activity Using EPR Spectrometry</b> <i>C. Postolache, Lidia Matei, Rodica Georgescu, Daniela Dogaru</i> 2nd International Nuclear Chemistry Congress, 13-18 aprilie 2008, Cancun, Mexic
99.	<b>Development of New 99mTc Compounds for Sentinel Node Detection and Cancer Diagnosis</b> <i>Dana Niculae, Valeria Lungu, Marina Iliescu</i> 1st CRP Meeting on Development of 99mTc Dextran Mannose Conjugate Derivative for Sentinel Node Detection and Cancer Diagnosis, IAEA Vienna, Austria, November 12-16, 2007
100.	<b>Diamond detectors for heavy, highly charged ions: a feasibility study</b> <i>E. Berdermann, A. Braeuning-Demian, D. Dumitriu, D. Fluerașu, M. Traeger</i> Conferinta Nationala De Fizica (CNF) 2008, 10 – 13 septembrie 2008, Bucuresti
101.	<b>Diamond Detectors For Highly Charged Ions At SPARC</b> <i>Dana Dumitriu</i> 5th SPARC Workshop and Collaboration Meeting, September 23 - 28, Predeal, Romania

102.	<b>Diols<math>\beta</math> And 3<math>\alpha</math>Synthesis of Tritium Labelled 4-Androstendione, 4-Androsten 3</b> <i>Lidia Matei; C. Tanase, C Postolache, G Bubueanu, C Podina</i> 2nd International Nuclear Chemistry Congress, 13-18 aprilie 2008, Cancun, Mexic
103.	<b>Dirac-type operators on curved spaces</b> <i>Mihai Visinescu</i> Selected problems of modern theoretical physics, Dubna, June 2008
104.	<b>Disinfection and consolidation by irradiation of wooden cultural heritage objects</b> <i>M. Cutrubinis</i> IAEA Regional Workshop on Harmonization of Procedures related to Nuclear Analytical Techniques for Characterization and Preservation of Cultural Heritage Artifacts, Athens, Greece, October 13-17 2008
105.	<b>Disinfection and consolidation by irradiation of wooden samples from three Romanian churches</b> <i>M. Cutrubinis, K. Tran, E. Bratu, L. Caillat, D. Negut and G. Niculescu</i> International Conference on Wood Science for Preservation of Cultural Heritage: Mechanical and Biological Factors, Joint Meeting of COST Action IE0601 "Wood Science for Conservation of Cultural Heritage" and the European Society for Wood Mechanics, Braga, Portugal, November 5-7 2008
106.	<b>DNA fragmentation induced by 2-Dodecylcyclobutanone in mammalian cells studied by comet assay</b> <i>C. Mustaciosu, I.Petcu, D. Savu, M. Radu</i> National Conference of Physics, Magurele, Romania, September 12-13, 2008
107.	<b>Dose equivalent rate measurement at ultralow level</b> <i>S. Bercea, Romul Margineanu, O. Dului, B. Neacsu, A. Celarel</i> 8th CELLAR Meeting - june 2008 CELLAR-Collaboration of European Low-level Underground Laboratories
108.	<b>Double beta decay to the first 2+ state</b> <i>A. A. Raduta, C. M. Raduta</i> Intern. Conference Changing facets of Nuclear Structure, Ed. Aldo Covello, ISBN-13 978-981-277-902-1, 2008, World Scientific, p. 209
109.	<b>Dust Acoustic Solitons in a Dusty Plasma with Dust Charge Variation</b> <i>Alexandru Greco, Dan Greco</i> QFT and Hamiltonian Systems, Calimanesti, Romania, May 6-11, 2008
110.	<b>Dust Acoustic Waves in a Local Equilibrium Approximation for a Dusty Plasma with Dust Charge Variation</b> <i>D. Greco, A. T. Greco</i> 9th International Balkan Workshop on Applied Physics (IBWAP 2008), Constanta, Romania, July 7-9, 2008
111.	<b>Dust Acoustic Waves in a Local Equilibrium Approximation for a Dusty Plasma with Dust Charge Variation</b> <i>D. Greco, A. T. Greco</i> 15th National Conference on Physics, Bucuresti, Romania, September 10-13, 2008
112.	<b>Dynamical approach to the emission of scission neutrons during nuclear fission</b> <i>N. Carjan</i> 236th American Chemical Society National Meeting/ Division of Nuclear Chemistry, Philadelphia, USA, 17-21 august 2008

113.	<b>Dynamical defects and heat transport in nanoscopic amorphous membranes</b> <i>D. V. Anghel</i> A 7-a editie a Seminarului National de nanostiinta si nanotehnologie, Bucuresti, 20.03.2008
114.	<b>Dynamics of entanglement in open quantum systems</b> <i>A. Isar</i> Workshop on Quantum Coherence and Decoherence, Benasque, Spain, September 2008
115.	<b>Earthquake simulation algorithm and cycle characteristics in Vrancea (Romania) area</b> <i>O.F. Cărbunar IFIN-HH Romania, M. Radulian INFP Romania</i> 2008 Annual Meeting, Santa Fe, 16-18 April, 2008, Seismological Research Letters Volume 79, No. 2 on page 292
116.	<b>Echipament portabil destinat controlului nedistructiv al imbracamintilor asfaltice folosind metoda propagarii ultrasunetelor</b> <i>Vasile TRIPADUS, Constantin ROMANESCU, Irinela CHILIBON, Velizar SORESCU,</i> Simpozionul Cercetare, Investigare, Administrare rutiera CIAR 2008, 27 iunie 2008
117.	<b>Effect of Gamma Irradiation on plants in interaction with arbuscular mycorrhizae</b> <i>Mihaela ENE, Laura TRANDAFIR, Mioara ALEXANDRU</i> Recent Developments and Applications of Nuclear Technologies, Bialowieza, Polonia, Septembrie 15 - 17, 2008
118.	<b>Effect of Li-Halides on the Morphology of Cuprates Ceramics and Their Properties under Neutron Irradiation</b> <i>V. Sandu, G. Aldica, S. Popa, E. Sandu</i> MRS International Materials Research Conference - IMRC, Chongqing, China, June 9-12, 2008
119.	<b>Electron Dynamics in a Laser Field and Applications for Future Particle Accelerators.</b> <i>A. CALBOREANU</i> Sesiunea Științifică "Științe Aplicate în Studiul Mediului Înconjurător și Materialelor" - Targoviste, 5-6 iunie 2008
120.	<b>Elemental analysis of ancient tetradrahmae coins from Tasos</b> <i>B.Constantinescu, V.Cojocaru, R.bugoi, T. Badica, I.V.Popescu, A.Sasianu, D. Deleanu, D.G. Ghita</i> Fourth National Conf. on Applied Physics, Galati, sept. 2008
121.	<b>Elemental mapping of moon soil and meteorite fragments</b> <i>A. Vasilescu, B. Constantinescu, R. Bugoi and D. Ceccato</i> 15th National Conference on Physics, CNF2008, 10-13 Sept 2008, Bucuresti, Magurele, Romania, accepted for publication in RJP
122.	<b>Elemental mapping of Moon soil and meteorite fragments</b> <i>A. Vasilescu, B. Constantinescu, R. Bugoi, D. Ceccato</i> National Physics Conference, 10-13 September 2008, Bucharest, Romania
123.	<b>Emission of scission neutrons by a time-dependent computational approach</b> <i>M. Rizea, N. Carjan</i> International Conference GENE GOLUB AROUND THE WORLD, 29 Feb - 1 Mar 2008, Tripolis, Greece
124.	<b>Emission of scission neutrons: testing the sudden approximation</b> <i>N. Carjan, M. Rizea</i> 15th Workshop on Nuclear Physics, Kazimierz, Poland, 24-28 september 2008
125.	<b>Entanglement dynamics in open quantum systems</b> <i>A. Isar</i> Third National Conference on Theoretical Physics, Busteni, Romania, June 2008

126.	<b>Entanglement dynamics in open systems</b> <i>A. Isar</i> National Conference on Physics (CNF-08), Bucharest-Magurele, Romania, September 2008
127.	<b>Entanglement generation and evolution in open quantum systems</b> <i>A. Isar</i> 40th Symposium on Mathematical Physics on Geometry and Quanta, Torun, Poland, June, 2008
128.	<b>Entanglement in open quantum dynamics</b> <i>A. Isar</i> 15th Central - European Workshop on Quantum Optics (CEWQO), Belgrade, Serbia, May-June 2008
129.	<b>Epithermal neutrons activation analysis investigation of Clarion-Clipperton abyssal plane clay and polymetallic micronodules</b> <i>C.I. Cristache, O.A. Culicov, M.V. Frontasyeva, S. Szobotka, M. Toma, O.G. Dului</i> 5th International Conference on Radionuclide Metrology Low-Level- Radioactivity Measurement Techniques, ICRM-LLRMT, Germany, Sept 22-26, 2008
130.	<b>Epithermal Neutrons Activation Analysis, Radiochemical and Radiometric Investigations of Evaporitic Deposits of Slanic-Prahova (Romania) Salt Mine</b> <i>Carmen Cristache, Corina Anca Simion, R.M. Margineanu, Mihaela Matei, O.G. Dului</i> European Geosciences Union, General Assembly 2008, Vienna, Austria, 13 – 18 April 2008
131.	<b>Evaluarea biologica in vitro a anticorpilor radiomarcati 188Re-anti-VEGF si 188Re-anti-MUC1 ca potentiali agenti in radioterapia cancerului</b> <i>Dana Niculae, Valeria Lungu, Lorelei Brasoveanu, Diana Savu, Marina Iliescu</i> Simpozion National VIASAN-CEEX, Sinaia, Romania, 28-30 Septembrie 2008
132.	<b>Evaluation and monitoring of environmental radioactivity at National Institute of Physics and Nuclear Engineering Bucharest-Magurele</b> <i>M. Dragusin, D. Galeriu, C. Ivan, A. Stochioiu, N. V. Zamfir</i> ENVIRONMENTAL POLLUTION AND ITS IMPACT ON PUBLIC HEALTH, Brasov, Romania, 16-19 iulie 2008.
133.	<b>Evaluation of 188Re-anti-VEGF-Mab as novel agent in cancer radioimmunotherapy</b> <i>Dana Niculae, Valeria Lungu, Lorelei Brasoveanu, Marina Iliescu and Diana Savu</i> 15th National Conference on Physics
134.	<b>Evaluation of 236U nuclear decay data</b> <i>A. Luca</i> 2nd Workshop for Radioactive Decay Data Evaluators: Training sessions of the Decay Data Evaluation Project (DDEP-2008), Bucharest, Romania, May 12-14, 2008
135.	<b>Evaluation of nuclear decay data: 236U, 234Th and 228Ra</b> <i>A. Luca</i> 3rd Research Coordinated Meeting of the IAEA CRP Updated Decay Data Library for Actinides, IAEA, Vienna, Austria, October 8-10, 2008
136.	<b>Event reconstruction algorithms for the ATLAS trigger</b> <i>T. Fonseca-Martin et al.</i> International Conference on Computing in High Energy and Nuclear Physics (CHEP '07), Victoria, BC, Canada, 2-7 September 2007, Journal of Physics: Conference Series, Volume 119, Pages: 022022 (10 pp.) Published: 2008
137.	<b>Existing experience and new developments in certified reference materials for radionuclides in food measurements</b>



	<i>A.C. Watjen, M. Sahagia, A. Luca and A. Antohe</i> Radionuclides in Food Workshop: Certified Reference, Intercomparison, Performance Evaluation and Emergency Preparedness Exercise Materials, Gaithersburg, USA, August 26-29, 2008
138.	<b>Experience on Safe Wet Storage Spent Nuclear Fuel at VVR-S Reserch Reactor of IFIN “Horia Hulubei”</b> <i>Elena Neacsu, Carmen Mustata, Aurelian Luca, Virginia Borza, Adrian Zorliu, Corneliu Podina</i> International Conference of Physical Chemistry, ROMPHYSICHEM 13, Bucharest – ROMANIA, September 3 - 5, 2008
139.	<b>Experimental study of the variation of alpha elastic scattering cross sections along isotopic and isotonic chains at low energies</b> <i>G.Gy. Kiss ,D. Galaviz , Gy. Gyürky, Z. Elekes, Zs. Fülöp, E. Somorjai, K. Sonnabend, A. Zilges, P. Mohr, J. Görres, M. Wiescher, N. Özkan, R.T. Güray, C. Yalcin, M. Avrigeanu</i> 10th International Symposium on Origin of Matter and Evolutions of Galaxies: From the Dawn of Universe to the Formation of Solar System. Sapporo, Japan, 4-7 Dec., 2007. Proceedings. Eds.: Takuma Suda et al. NY, AIP Conference Proceedings 1016, 221-226 (2008)
140.	<b>Exploring the LHC medium with electromagnetic probes</b> <i>Ana Marin for the ALICE Collaboration</i> Hard Probes 2008 conference proceedings
141.	<b>Exploring the LHC medium with electromagnetic probes</b> <i>Ana Marin for the ALICE Collaboration</i> 3rd International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions (HP2008), Illa da Toxa, Galicia, Spain, 8-14 Jun 2008. e-Print: arXiv:0809.3508 [nucl-ex]
142.	<b>Exponential fitting method for the time-dependent Schrodinger equation</b> <i>M. Rizea</i> 8th International Conference on Computational and Mathematical Methods in Science and Engineering, CMMSE 2008, La Manga, Murcia, Spain, 13-17 June 2008
143.	<b>External dose rate in Unirea salt mine, Slanic Prahova Romania</b> <i>R. M. Margineanu, A. M. Apostu, O. G. Dului, S. Bercea, C. I. Cristache</i> 5th Int. Conf. on Radionuclide Metrology Low-level Radioactivity Measurement Tehniques, ICRM-LLRMT’08, 22-26 Sept. 2008, Braunschweig, Germany
144.	<b>Fast RPCs for FAIR - R&amp;D status</b> <i>Mihai Petrovici</i> Seminar - March 20, 2008, Forschungszentrum Dresden-Rossendorf
145.	<b>Fast TRD- R&amp;D Status</b> <i>Mihai Petrovici</i> CBM Collaboration Meeting, 11th - February 26-29, 2008, GSI, <a href="http://www.gsi.de/documents/DOC-2008-Mar-62-1.pdf">http://www.gsi.de/documents/DOC-2008-Mar-62-1.pdf</a>
146.	<b>Features of High-Tc Superconducting Phase Transitions in Cuprates</b> <i>S. Adam and Gh. Adam</i> Third National Conference on Theoretical Physics (3NCTP), Busteni, Romania, June 10-13, 2008
147.	<b>First results with lambda calibration</b> <i>B. Popovici</i> 48th LHCb week, Cern, Geneva, aprilie 2008

148.	<p><b>Free Radical Mediated Cytotoxicity Induced by Radiolabelled Biomolecules in Targeted Oncological Therapy</b>  <i>Maria Gruia, Valentina Negoita, Monica Vasilescu, Marieta Panait, Dana Niculae, Valeria Lungu, Ion Gruia</i>  Workshop Radioisotopes&amp; Biomolecules, a Partnership for the Early Diagnosis and Targeted Radiotherapy of Cancer, Bucharest, Romania, November 26-28 , 2008</p>
149.	<p><b>Front-end electronics (FEE) for nuclear detectors based on the first ASIC developed by DFH-NIPNE</b>  <i>V. Catanescu, D. Bartos, G. Caragheorghopol</i>  15-th National Conference on Physics Bucharest, 10-13 Sept 2008</p>
150.	<p><b>Gamma-ray spectroscopy at the Bucharest Tandem accelerator</b>  <i>Dan Gabriel Ghita</i>  European Gammapool Workshop, Paris</p>
151.	<p><b>General analytical insights on interface behaviour of solute particles</b>  <i>R.A. Ionescu,</i>  International Workshop on Nonequilibrium Nanostructures, December 01-06, 2008, Max Planck Institute for the Physics of Complex Systems, Dresden, Germany</p>
152.	<p><b>Generalized squeezed states for the Jacobi group</b>  <i>S. Berceanu</i>  27th Workshop on Geometric Methods in Physics Bialowieza, POLAND, JUNE 29- JULY 5, 2008, <a href="http://wgmp.uwb.edu.pl/abs/Berceanu.html">http://wgmp.uwb.edu.pl/abs/Berceanu.html</a>; AIP Conference Proceedings Volume 1079, GEOMETRIC METHODS IN PHYSICS, pp. 67-75 (2009) Bialowieza (Poland), 29 June–5 July 2008, Editor(s): P. Kielanowski, A. Odziejewicz, M. Schlichenmaier, Th. Voronov,</p>
153.	<p><b>Generation and evolution of entanglement in open quantum dynamics</b>  <i>A. Isar</i>  XII International Conference on Quantum Optics and Quantum Information (ICQOQI) , Vilnius, Lithuania, September 2008)</p>
154.	<p><b>Geometric phase in particle motion</b>  <i>M. Dima</i>  CNF-2008</p>
155.	<p><b>Ground state and shape isomer deformations of alkali metal atomic clusters</b>  <i>R. A. Gherghescu, D. N. Poenaru, A. Solovyov and W. Greiner</i>  3rd Int. Symposium on Atomic Cluster Collisions, St. Petersburg, June 3-7, 2008.</p>
156.	<p><b>HCR-TRD requirements and their associated FEE, <a href="http://cbm-wiki.gsi.de/pub/CBMXYTER/Workshop-2008-12/CBM_FEE_Workshop_Dec_05_2008.pdf">http://cbm-wiki.gsi.de/pub/CBMXYTER/Workshop-2008-12/CBM_FEE_Workshop_Dec_05_2008.pdf</a></b>  <i>Mihai Petrovici</i>  CBM-FEE Workshop, December 5, 2008, GSI-Darmstadt,</p>
157.	<p><b>Heavy flavour in ALICE</b>  <i>Andrea Dainese for the ALICE Collaboration</i>  Proceedings of the XVI International Workshop on Deep-Inelastic Scattering and Related Topics April 7-11, 2008 London, England Editors: Robin Devenish and James Ferrando, <a href="http://www.sciwipub.com/index.php?doit=dis2008">http://www.sciwipub.com/index.php?doit=dis2008</a></p>
158.	<p><b>Hemispheroidal atomic clusters on planar surfaces. Oral communication</b>  <i>D. N. Poenaru, R. A. Gherghescu, I. H. Plonski, A. V. Solovyov, W. Greiner</i>  National Conference on Physics 2008, Bucharest 10-12 September.</p>

159.	<b>Hidden symmetries and Dirac-type operators</b> <i>Mihai Visinescu</i> Third National Conference of Theoretical Physics, Busteni, Romania, June 2008
160.	<b>Hidden symmetries and Killing tensors on curved spaces</b> <i>Mihai Visinescu</i> XXVII International Colloquium on Group Theoretical Methods in Physics, Yerevan, August 2008
161.	<b>Hiperhomocisteinemia, factor de risc in hipotiroidismul moderat si sever</b> <i>Mariana Purice, I.H.Ursu, Andrei Goldstein, F.Alexiu, Mihaela Giurcaneanu, Valeria Lungu, Diana Chiper</i> Simpozion National VIASAN-CEEX, Sinaia, 28-30 Septembrie 2008
162.	<b>Homeland Security Related Issues with ‘Minor League’ Nuclear Infrastructures: Critical Topics on the Decommissioning of Research Reactors</b> <i>Adrian V. Gheorghe and Dan V. Vamanu</i> 2nd Annual Homeland Defense and Security Education Summit, University of Maryland University College, USA, Summit sponsored and organized by The Naval Postgraduate School Center for Homeland Defense and Security, The Homeland Security/Defense Education Consortium, The U. S. Department of Homeland Security, and The University of Maryland University College, Mar 18-19, 2008
163.	<b>Homocisteina asociata metabolismului de transmetilare in procesele de imbatranire.</b> <i>Valeria Lungu, Diana Chiper, Lidia Matei, C. Postolache, L Danaila, Catalina Barna, Mariana Purice, Ileana Turcu, G. Bubueanu</i> Simpozion National VIASAN-CEEX , Sinaia, Romania,28-30 Septembrie 2008
164.	<b>HOMOCISTEINA ASOCIATA METABOLISMULUI DE TRANSMETILARE IN PROCESELE DE IMBATRANIRE. STUDII PE MODELE ANIMALE</b> <i>Diana Chiper, Valeria Lungu, Lidia Matei, C. Postolache, L. Danaila, Catalina Barna, Mariana Purice, Elena Lupeanu, Elena Turcu, G. Bubueanu</i> Simpozion National VIASAN-CEEX, 28-30 Septembrie 2008, Sinaia
165.	<b>Homocisteina plasmatica si farmacocinetica metabolismului de transmetilare in diabet.</b> <i>Valeria Lungu, Diana Chiper , D. L. Radu , Lidia Matei, C. Postolache, L Danaila, Catalina Barna,</i> Simpozion National VIASAN-CEEX , Sinaia, Romania,28-30 Septembrie 2008
166.	<b>HOMOCISTEINA PLASMATICA SI FARMACOCINETICA METABOLISMULUI DE TRANSMETILARE IN DIABET. STUDII PE MODELE ANIMALE</b> <i>Valeria Lungu, Diana Chiper, Dorel L. Radu, Lidia Matei, C. Postolache, L. Danaila, Catalina Barna, Mariana Purice, G. Bubueanu</i> Simpozion National VIASAN-CEEX, 28-30 Septembrie 2008, Sinaia
167.	<b>Homocisteina si farmacocinetica metabolismului de transmetilare in cancer.</b> <i>Diana Chiper, Valeria Lungu Lidia Matei, C. Postolache, L Danaila, Catalina Barna,</i> Simpozion National VIASAN-CEEX , Sinaia, Romania,28-30 Septembrie 2008
168.	<b>HOMOCISTEINA SI FARMACOCINETICA METABOLISMULUI DE TRANSMETILARE IN CANCER. STUDII PE MODELE ANIMALE</b> <i>Diana Chiper, Valeria Lungu, Lidia Matei, C. Postolache, L Danaila, Catalina Barna, Mariana Purice ,G. Bubueanu</i> SIMPOZION NATIONAL VIASAN-CEEX (MODUL 1), 28-30 sept 2008, Hotel sinaia, Sinaia
169.	<b>Human albumin nanospheres labeled with <math>^{99m}\text{Tc}</math></b> <i>Virginia N.Borza, Elena Neacsu, Cristina L.Nistor, Raluca Ianchis, Nicoleta Popescu-Pogriion, Ionel Mercioniu</i> - The 15th Bad Soden IIS Meeting, Bad Soden, Germany,12-13 June, 2008

170.	<p><b>Improved formalism for superallowed Fermi beta decay between analogs and half-lives of rp-process waiting point A~70 nuclei</b>  <i>A. Petrovici</i>  talk given at ISOLDE Workshop and Users meeting 2008/2009, CERN, 17-19 november 2008</p>
171.	<p><b>In Vitro and in Vivo Radiometrical Studies For Evaluation Of New Nucleoside Analogue Behavior</b>  <i>Lidia Matei, Gina Manda, C. Postolache, V Tanase, G. Bubueanu</i>  2nd International Nuclear Chemistry Congress, 13-18 aprilie 2008, Cancun, Mexic</p>
172.	<p><b>In vitro Biological Evaluation of 188Re-anti-VEGF-Mab and 188Re-anti-MUC1</b>  <i>Dana Niculae, Valeria Lungu, Lorelei Brasoveanu, Diana Savu, Marina Iliescu</i>  15th Workshop -the Synthesis and Application of Isotopes and Isotopically Labelled Compounds, Bad Soden, Germany, june 12-13, 2008</p>
173.	<p><b>IN VITRO RADIOSENSITIVITY OF PERIPHERAL BLOOD LYMPHOCYTES IN MULTIPLE SCLEROSIS PATIENTS (INVITED TALK)</b>  <i>I.Petcu, D. Savu, H. Thierens, G. Nagels, A. Vral</i>  11th World Congress on Advances in Oncology, 9-th International Symposium on Molecular Medicine, 12-14 oct.,Hersonissos, Crete, Greece</p>
174.	<p><b>In vitro Testing of the 177Lu-DOTAM-EGF Bioaffinity to Tumor Cell Lines and Mesenchymal Stem Cells</b>  <i>Valeria Lungu, Rodica Anghel, Dana Niculae, Iuliana Maria Gruia, Patricia Sarbu-Boeti, Coralina Bleotu</i>  Celulele Stem si Medicina Regenerativa. Stadiul Actual si Perspective, Bucuresti, romania, 6-8 noiembrie, 2008</p>
175.	<p><b>In vivo studies with [methyl-3H]-Thymidine regarding the effect of methyl donors cocktail</b>  <i>Valeria Lungu, Diana Chipper, Rodica Anghel, Cristian Postolache, Lidia Matei Catalina Barna and George Bubueanu</i>  2nd International Nuclear Chemistry Congress, 13-18 aprilie 2008, Cancun, Mexic</p>
176.	<p><b>IN VIVO STUDIES WITH [METHYL-3H]-THYMIDINE REGARDING THE EFFECT OF METHYL DONORS COCKTAIL IN CANCER THERAPY</b>  <i>Valeria Lungu, Diana Chipper, Rodica Anghel, Cristian Postolache, Lidia Matei, Catalina Barna and George Bubueanu</i>  2nd International Nuclear Chemistry Congress, 13-18 April 2008, Cancun, Mexic</p>
177.	<p><b>INAA investigation of major and trace elements distribution in unconsolidated sediments collected from Black Sea anoxic zone</b>  <i>C.I. Cristache, O.A. Culicov, M.V. Frontasyeva, M. Toma, O.G. Dului G. Oaie</i>  Seventh International Conference of Nuclear and Radiochemistry-24-29 August,2008 Budapest-Hungary</p>
178.	<p><b>INAA, radiometric and r-mode factor analysis applied to the distribution of major and trace elements in some volcanic and metamorphic rocks from Romania</b>  <i>C.I. Cristache, O.A. Culicov, M.V. Frontasyeva, C. Ricman, M. Toma, O.G. Dului</i>  5th International Conference on Radionuclide Metrology Low-Level- Radioactivity Measurement Techniques, ICRM-LLRMT, Germany, Sept 22-26, 2008</p>
179.	<p><b>In-Beam Tests Results of the Pestov Glass Resistive Plate Counter Prototypes</b>  <i>Mariana Petris</i>  CBM Collaboration Meeting, October 13 - 18, 2008, Dubna, Russia</p>

180.	<p><b>Independent assesment of performances of the Central Computing Center of JINR and of SIMFAP paralel cluster in IFIN-HH Bucharest</b>  <i>Gh. Adam</i>          Birthday Centenary of the Outstanding Romanian Scientist, Professor Serban Titeica, JINR-Dubna, April 14, 2008</p>
181.	<p><b>INERTIA FOR TWO-CENTER NUCLEAR</b>  <i>M. MIREA1, R. C. BOBULESCU2, M. PETRE1</i>          CNF-2008</p>
182.	<p><b>Influence of Distribution Coefficients on the Transfer of Radionuclides from Water To Geological Formation</b>  <i>Mihaela Bragea, Delia Perju, Raul Moldovan, Carmen Cristache, Harieta Pîrlea, T. Laszlo</i>          INTERNATIONAL CONFERENCE ON CHEMISTRY AND CHEMICAL ENGINEERING,28-30May-2008, Timisoara</p>
183.	<p><b>Influence of the interprocessor network on the parallel solution of Yang-Mills -- dilaton problem</b>  <i>A. Lutsenko, Gh. Adam, S. Adam, A. Ayriyan, E. Hayryan, O. Streltsova, E. Donets, J. Busa, I. Pokorny</i>          The 12-th Conference of Young Scientists in JINR Dubna, 4-8 February 2008</p>
184.	<p><b>In-medium properties of vector mesons and dilepton emission in heavy-ion collisions at SIS energies</b>  <i>M.D. Cozma, E. Santini, C. Fuchs, B. Martemyanov and M.I. Krivoruchenko</i>          Hadronic collisions at the LHC and QCD at high density, Les Houches, Franta, Martie 25-Aprilie 4, 2008</p>
185.	<p><b>Inner-Shell Ionization In Ion-Atom Collisions At MeV/u Energies</b>  <i>M.M. Guguu, C. Ciortea, A. Enulescu, I. Piticu, D.E. Dumitriu, D. Fluerasu, A.C. Scafes, M.C. Pentia, C. Ciocarlan and M.D. Pena</i>          4th Conference on Elementary Processes in Atomic Sysytems, Cluj-Napoca, Romania, June 18-20, 2008</p>
186.	<p><b>Instabilități electroconvective în cristalul lichid nematic I52</b>  <i>L. Georgescu, Cristina Miron, Beatris Neacșu</i>          SESIUNEA STIINTIFICA ANUALA A FACULTATII DE FIZICA sesiune omagiala dedicata centenarului nasterii lui Șerban Țițeica</p>
187.	<p><b>Instrumental neutron activation analysis applications to environmental and geological studies</b>  <i>Duliu O.G., Culicov O, Olteanu C., Ricman C., Mihailescu N. , Frontasyeva M.V, Dinescu L, Oaie G</i>          16th International Seminar on Interaction of Neutrons with Nuclei,ISINN-16, Dubna, Russia, June 11-14, 2008 -invited lecture</p>
188.	<p><b>INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS OF SOME DANUBE RIVER FISH SPECIES</b>  <i>ANA PANTELICA, IULIA I. GEORGESCU and VIOREL COJOCARU</i>          National Conference on Applied Physics, 4th Edition, September 25 – 26, 2008, Galati, Romania</p>
189.	<p><b>INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS: INTERLABORATORY COMPARISON BASED ON SHORT-LIVED ISOTOPES</b>  <i>Culicov O.A., Frontasyeva M.V., Pantelica A.I. , Badita C.R., Szoke R., Sziklai László I. and Baranyai R.</i>          16th INTERNATIONAL SEMINAR ON INTERACTION OF NEUTRONS WITH NUCLEI:</p>

	«Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics» June 11-14, 2008, Dubna, Russia
190.	<b>INTEGRATED LABORATORY FOR THE SPECTROMETRIC MONITORSHIP OF THE ENVIRONMENT AND OF RADIOACTIVE MATERIALS/SALMROM</b> <i>M R Calin</i> Conf. Nat. de Fizica, Bucuresti, Magurele, 10-13 sept. 2008
191.	<b>Integration of the trigger and data acquisition systems in ATLAS</b> <i>M. Abolins et al.</i> International Conference on Computing in High Energy and Nuclear Physics (CHEP '07), Victoria, BC Canada, 2-7 September 2007, Journal of Physics: Conference Series, Volume 119, Pages: 022022 (10 pp.) Published: 2008
192.	<b>Interaction energy at the end cup of a deposited atomic cluster, Invited talk</b> <i>D. N. Poenaru, R. A. Gherghescu, A. V. Solovyov, W. Greiner</i> 3rd International Symposium on Atomic Cluster Collisions: structure and dynamics from the nuclear to the MesoBioNano scales St. Petersburg, June 3-7, 2008
193.	<b>INTERACTION OF POSITRONIUM ATOMS, WITH PARAMAGNETIC MOLECULES, MEASURED BY PERTURBED ANGULAR DISTRIBUTION IN</b> <i>E. Ivanov, I.Vata, S.toderian, D.Dudu, I.Rusen, S.Nitisor</i> 4-th Conference on Elementary Processes in Atomic Systems
194.	<b>International Cooperation in the Field of Waste Management Activities at IFIN-HH</b> <i>Felicia Dragolici, Corneliu Turcanu, Gheorghe Rotarescu, Iosif Paunica, Laura Ionascu, Mihaela Nicu, Gheorghe Dogaru, Carmen Cristache, Magdalena Toma, Laurentiu Done, Gigel Matei, Rodica Rotaru, Dana Matei</i> Annual International Conference on Sustainable Development through Nuclear Research and Education (NUCLEAR 2008), Pitesti, Romania, May 28-30, 2008
195.	<b>International underground accelerator based lab for Nuclear Astrophysics</b> <i>C. Bordeanu</i> The DUSEL Experiment Development Coordinators (DEDC), April workshop in Lead, South Dakota, April 21-26, 2008
196.	<b>Interrelations between superconducting properties and defect evolution in neutron irradiated YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub></b> <i>V. Sandu, G. Aldica, E. Sandu, P. Nita</i> March Meeting, New Orleans, SUA, March 9-16, 2008
197.	<b>INVESTIGATION BY INAA OF PEAT AS DANUBE POLLUTION BIOMONITOR</b> <i>ANA PANTELICA, RODICA GEORGESCU, IULIA I. GEORGESCU and VIRGIL IORDACHE</i> National Conference on Applied Physics, 4th Edition, September 25 – 26, 2008, Galati, Romania
198.	<b>Investigation of laser diode systems degradation under ionizing radiation</b> <i>Dan Sporea, Adelina Sporea, C.Oproiu, I.Vata and Rodica Georgescu</i> Second International Conference on Optical Complex Systems, Cannes, France, 17 – 19 March, 2008
199.	<b>Investigation of magnetic elastomers by means of SANS and SAXS</b> <i>M.Balasoiiu, M.L.Craus, V.Garamus, J.Plestil, A.Kh.Islamov, A.I.Kuklin, R.Erhan, E.M.Anitas, V.A.Osipov, I.Bica, V.L.Aksenov</i> XX-th Workshop on using of neutron scattering in condensed matter investigations RNIKS 2008 Book of Abstracts ISBN 978-5-86763-212-0, PNPI (2008) pag.38

200.	<p><b>Investigation of Neolithic ceramics pigments using Synchrotron Radiation X-Ray Diffraction</b>  <i>R. Bugoi, E. Pantos, B. Constantinescu, D. Popovici</i>  International Symposium “Archaeomet 3” Ancient and Medieval Gold, Silver and Bronze - Technologies in Minting and Toreutics used during Antiquity and Middle Age - the Contribution of the atomic and nuclear analyses, 29th-31st October 2008, Curtea de Argeș, Romania</p>
201.	<p><b>Investigation of solid state sugar as a potential dosimetric material – physical and chemical characterization</b>  <i>S. Fabisiak, M. Virgolici, M. M. Manea, C. D. Negut, M. Cutrubinis, R. Georgescu</i>  Recent Developments and Applications of Nuclear Technologies (Nucleartech'08), Bialowieza, Poland, September 15-17 2008</p>
202.	<p><b>Investigation of solid state sugar as a potential dosimetric material – physical and chemical characterization</b>  <i>S. Fabisiak, M. Virgolici, M. M. Manea, C. D. Negut, M. Cutrubinis, R. Georgescu</i>  Recent Developments and Applications of Nuclear Technologies (Nucleartech'08), Bialowieza, Poland, September 15-17, 2008</p>
203.	<p><b>INVESTIGATION OF THE OCCUPATIONAL EXPOSURE IN A ROMANIAN FERTILIZER PLANT BY INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS OF HAIR AND NAIL SAMPLES</b>  <i>A. Pantelică, O.A. Culicov, M.V. Frontasyeva, C. Oprea, R. Georgescu, I.I. Georgescu, E. Pincovschi</i>  SEVENTH INTERNATIONAL CONFERENCE ON RADIOCHEMISTRY (NRC-7), 24-29 August 2008, Budapest, Hungary</p>
204.	<p><b>Investigationonn of magnetite ferrofluid by means of positive polarized muons</b>  <i>M.Balasoïu, V.L.Aksenov, D.Bica, L.Vekas, S.G.Barsov, S.I.Vorobev, K.I.Gritsaj, V.N.Duginov, V.A.Zhukov, E.N.Komarov, V.P.Koptev, S.A.Kotov, T.N.Mamedov</i>  IBWAP2008, Constanta 7-9 July 2008.  M.Balasoïu, V.L.Aksenov, D.Bica, L.Vekas, S.G.Barsov, S.I.Vorobev, K.I.Gritsaj, V.N.Duginov, V.A.Zhukov, E.N.Komarov, V.P.Koptev, S.A.Kotov, T.N.Mamedov, G.V. Shcherbakov, C.Petrescu, Investigationonn of magnetite ferrofluid by means of positive polarized muons, IBWAP2008, Constanta 7-9 July 2008.</p>
205.	<p><b>Investigations of the S(500) distribution for extensive air showers detected with the KASCADE-Grande array</b>  <i>G. Toma for the KASCADE-Grande collaboration</i>  DPG Frühjahrstagung, Freiburg, Germany, 2008</p>
206.	<p><b>Invited talks: Aspects of Flow Phenomena in Heavy Ion Collisions</b>  <i>M.Petrovici &amp; A.Pop</i>  AIP Conf. Proc. 972, pg.98</p>
207.	<p><b>Invited talks: Collective Phenomena in Heavy Ion Collisions</b>  <i>M. Petrovici, C. Andrei, I. Berceanu, A. Herghelegiu, A. Pop, C. Schiaua</i>  3rd LINC Workshop, June 18-21, 2008, IHEP Protvino</p>
208.	<p><b>Ion beam spectroscopic studies of the 69As nucleus</b>  <i>T. Badica1, I. V. Popescu1,2,V. Cojocarul, A. Olariul, M. Petrel,A.Gheboianu2</i>  CNF-2008</p>
209.	<p><b>Ionizing radiation metrology laboratory from IFIN-HH, Romania, presentation</b>  <i>Bercea S., Sahagia M., Celarel A. Razdolescu C</i>  Simposio de Metrologia 2008, Mexico City, Mexic, Octombrie 2008, Proc ID: 1141</p>

210.	<b>IR spectral study on nature of 2-pyridine aldoxime methyl chloride interaction with some sterols. III. Ergosterol, lanosterol and 7-dehydrocholesterol</b> <i>M. Manea, V. Chiosa, C. Mandravel</i> Conferinta Internationala de Chimie Fizica ROMPHYSICHEM13, 3-5 septembrie 2008, Bucuresti, 172
211.	<b>Kaonic atoms measurements at the DAFNE accelerator</b> <i>C. Curceanu (Petrascu), M. Bazzi, G. Beer, L. Bombelli, A.M. Bragadireanu, M. Cargnelli, C. Fiorini, T. Frizzi, F. Ghio, B. Girolami, C. Guaraldo, R. Hayano, M. Iliescu, T. Ishiwatari, M. Iwasaki, P. Kienle, P. Lechner, P. Levi Sandri, A. Longoni, V. Lucherini, J. Marton, S. Okada, D. Pietreanu, T. Ponta, A. Romero Vidal, A. Scordo, He-Xi Shi, D.L. Sirghi, F. Sirghi, H. Soltau, L. Struder, H. Tatsuno, O. Vazquez Doce, E. Widman and J. Zmeskal</i> Proceedings of the International Conference on Exotic Atoms and Related Topics, 15-18 September 2008, Vienna, to appear in Hyperfine Interactions
212.	<b>Kaonic atoms/nuclei measurements at DAFNE: SIDDHARTA and AMADEUS</b> <i>C. Curceanu (Petrascu),..., et al. (SIDDHARTA&amp;AMADEUS Collab.)</i> Int. Workshop on Chiral Symmetry in Hadron and Nuclear Physics (CHIRAL07), Osaka, 3-16 Nov. 2007, Published in Modern Physics Letters A23, Nos.27-30,2008, pages 2524-2527
213.	<b>Kinetic of HSA Conformers Modification Determined by Polarimetric Measurements</b> <i>I. Stanculescu, V. Chiosa and V.Em. Sahini</i> RomPhysChem 13, September 3 - 5, 2008, Bucharest - ROMANIA
214.	<b>Kinetics of antitrenbolone antibody-trenbolone system in ELISA technique</b> <i>Livia Harangus, Ioan Dorobantu</i> CONFERINTA NATIONALA DE FIZICA (CNF2008), Bucuresti-Magurele, 10-13 septembrie 2008
215.	<b>Labeling of albumin microspheres with 188Re; a possible agent for radiotherapy</b> <i>Virginia N. Borza, Elena Neacsu, Nicoleta Popescu-Pogrion, Ionel Mercioniu, Cristina L. Nistor, Catalina Barna</i> The 2nd International Conference on Advanced Nano Materials (ANM 2008), Aveiro, Portugalia, 20-27 June 2008
216.	<b>LABORATOR SUBTERAN DE MĂSURĂRI IN FOND ULTRASCAZUT DE RADIAȚII</b> <i>R. M. Mărgineanu, A. M. Apostu, C. A. Simion, C. M. Gomoiu</i> Simpozionul National VIASAN-CEEX (Modulul I) 2008, 28-30 Septembrie, Sinai
217.	<b>Landau-Zener effect generalized for superfluid systems</b> <i>M. Mirea</i> Conferinta Nationala de Fizica, Bucuresti 2008
218.	<b>Large scale access tests and online interfaces to ATLAS conditions databases</b> <i>A. Amorim, L. Lopes, P. Pereira, J. Simoes, I. Soloviev, D. Burckhart, J. Von Der Schmitt, M. Caprini, S. Kolos</i> International Conference on Computing in High Energy and Nuclear Physics (CHEP '07), Victoria, BC Canada, 2-7 September 2007, Journal of Physics: Conference Series, Volume: 119, Pages: 022005 (10 pp.) Published: 2008
219.	<b>Large underground cavities in a salt mine from Slanic-Prahova, Romania</b> <i>R. M. Margineanu, B. Mitrica, A. Saftoiu, O. G. Dului</i> NNN08 Paris, France Sept. 11-13, 2008
220.	<b>Long term behaviour evaluation of cement conditioning matrices used for management of radioactive wastes at IFIN-HH</b>



	<i>Felicia Dragolici, Laura Ionascu, Mihaela Nicu, , Corneliu Turcanu, Gheorghe Rotarescu</i> IAEA Workshop , 2nd RCM, Cheile Gradistei, Romania, November 24-28th, 2008
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232.	<b>Magnetism and transport properties of gamma-irradiated polymer-CrO<sub>2</sub> composites</b> <i>V. Sandu, S. Popa, I. Ivan, E. Sandu, N. Hurduc, I. Nor</i> Joint European Magnetic Symposia, Dublin,Ireland, September 14- 19, 2008
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235.	<b>MANAGEMENTUL CALITATII INSTRUMENT UTIL LA CONTRLUL PROCESELOR IN CADRUL PRACTICII DE CONTROL NEDISTRUCTIV</b> <i>Gh. Dogaru</i> Simpozionul National al AROEND, Mamaia, iunie 2008
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296.	<b>On the role of activation and particle-emission data for reaction model</b> <i>M. Avrigeanu, R. A. Forrest, F.L. Roman and V. Avrigeanu</i> Int. Conf. on Nuclear Data for Science and Technology (ND-2007), Nice, France, 22-27 Apr. 2007, O. Bersillon et al. (Eds.), EDP Sciences, Paris, 2008, p.223.
297.	<b>On the two body problem in quantum mechanics</b> <i>L. Micu</i> CNF 2008
298.	<b>On the Yang-Baxter equations and applications</b> <i>F.F. Nichita, B.P. Popovici</i> Conferinta Nationala de Fizica, Magurele, septembrie 2008
299.	<b>One method of construction of inverse orthogonal matrices</b> <i>Petre Dita</i> CNF 2008
300.	<b>Open heavy flavour reconstruction in the ALICE central barrel</b> <i>Francesco Prino for the ALICE Collaboration</i> 34th International Conference on High Energy Physics (ICHEP08), July 29th - August 5th, Philadelphia, PA
301.	<b>Optical-potential for alpha-particle elastic scattering and induced reactions at low energies</b> <i>M. Avrigeanu, W. von Oertzen, A.C. Obreja, F.L. Roman, V. Avrigeanu</i> Third Research Coordination Meeting on Parameters for Calculation of Nuclear Reactions of Relevance to Non-Energy Nuclear Applications, Vienna, Austria, Dec. 10-14, 2007, INDC(NDS)-0524, 40-43 (2008)
302.	<b>OXYGEN METABOLISM AND AEROTAXIS IN MAGNETOSPIRILLUM GRYPHISWALDENSE</b> <i>Moisescu C., Ignat M., Constantin M., Virgolici M., Ardelean I.</i> SRBBM'08
303.	<b>PERFORMANCE ASSESSMENT FOR SALIGNY L/IL WASTE DISPOSAL FACILITY</b> <i>C. Bucur1*, M. Olteanu1, C. Cristache2, O. Nicolae3, M. Pavelescu4</i> 5th International Conference on Radionuclide Metrology Low-Level- Radioactivity Measurement Techniques, ICRM-LLRMT, Germany, Sept 22-26, 2008
304.	<b>Performance assessment of JINR CICC supercomputer</b> <i>A. Ayriyan, Gh. Adam, S. Adam, E. Dushanov, V. Korenkov, A. Lutsenko, V. Mitsyn, O. Streltsova</i> The 12-th Conference of Young Scientists in JINR Dubna, 4-8 February 2008
305.	<b>Performance assessment of the 2008 configuration of the CICC JINR cluster</b> <i>Gh. Adam, S. Adam, A. Ayriyan, V.V. Korenkov and V.V. Mitsyn</i> Third International Conference on Distributed computing and Grid technologies in science and education (GRID'08), JINR-Dubna, Russia, June 30 - July 04, 2008
306.	<b>Personal Doses Recorded by Service of Personal Dosimetry</b> <i>F. Mihai, A. Gheorghiu, A. Stochioiu and E. Udup</i> IX Radiation Physics and Protection Conference, Cairo – Egypt, November 15 – 19, 2008
307.	<b>Phase transitions in low-dimensional systems of coupled anharmonic oscillators</b> <i>Victor Barsan</i> A 15-a Conferinta Nationala de Fizica, Bucuresti, 10-13 septembrie 2008



308.	<b>Photon-Induced Physics with Heavy-Ion Beams in ALICE</b> <i>Joakim Nystrand for the ALICE Collaboration</i> Workshop on High Energy Photon Collisions at the LHC, CERN, Geneva, 22-25 April 2008
309.	<b>Photon-Induced Physics with Heavy-Ion Beams in ALICE</b> <i>Joakim Nystrand for the ALICE Collaboration</i> Nuclear Physics B - Proceedings Supplements, Volumes 179-180, August 2008, Pages 156-161, Proceedings of the International Workshop on High-Energy Photon Collisions at the LHC
310.	<b>Photon-Induced Physics with Heavy-Ion Beams in ALICE</b> <i>Joakim Nystrand for the ALICE Collaboration</i> Workshop on High Energy Photon Collisions at the LHC, CERN, Geneva, 22-25 April 2008
311.	<b>Physical modifications induced in elastomers by Fe particles doping</b> <i>Balasoiu M, Craus M.L., Anitas E.M, Erhan R., Kuklin A.I., Islamov A.Kh, Kovalev Yu.S., Ivankov A.I., Lozovan M., Muresan C., Tripadus, Savu D., Savu S., Bica I.</i> Moscow International Symposium on Magnetism, June 20-25 2008, Book of Abstracts, pag.454, 23 PO-3-9
312.	<b>Physical modifications induced in elastomers by magnetic particles doping</b> <i>M.Balasoiu, M.L.Craus, A.I.Kuklin, J.Plestil, V.Haramus, A.H.Islamov, R.Erhan, E.M.Anitas, M.Lozovan, V.Tripadus, C.Petrescu, D.Savu, S.Savu, I.Bica</i> IBWAP2008, Constanta 7-9 July 2008.
313.	<b>Physics aspects studied with PRISMA/CLARA</b> <i>N. Marginean</i> 6th Balkan school on Nuclear Physics , 17-24 Septembrie, Troyan, Bulgaria
314.	<b>Physics with photons in ALICE</b> <i>Y. Kharlov, L. Benhabib, R. Wan (for the ALICE Collaboration)</i> Proceedings of Science, Physics at LHC-2008, 29 September-4 October, Split-CROATIA
315.	<b>PIGE-NAA analysis of minor and trace elements in steels</b> <i>A.Ene, I.V.Popescu, T.Badica, C.Stihi, A. Gheboianu</i> 4th National Conf. on Applied Physics-Galati, sept.2008; Sesiunea stiintifica STTINTE APLICATE IN STUDIUL MEDIULUI INCONJURATOR SI MATERIALELOR, Targoviste, iun,2008
316.	<b>PIXE AND INAA ANALYTICAL SENSITIVITY ON EDIBLE VEGETAL SAMPLES</b> <i>A. PANTELICA, C.R. BADITA, O. CULICOV, M. FRONTASYEVA, I. COMPANIS and C. CIORTEA</i> National Conference on Applied Physics, 4th Edition, September 25 – 26, 2008, Galati, Romania
317.	<b>PIXE and PIGE assessment of in vivo elemental and physical changes of a composite from a dental filling</b> <i>E.A. PREOTEASA, ELENA PREOTEASA, C. CIORTEA, D.D. MARIN, D. GURBAN, M. GUGIU</i> European Conference on X-Ray Spectrometry (EXRS-2008), Cavtat, Dubrovnik, Croatia, 16 – 20 June 2008
318.	<b>Pocket pulse height multichannel system model SSA 4k</b> <i>Al.Rusu, F.Constantin, Gh. Caragheorgheopol</i> 15th National Conference on Physics Bucharest, 10-13 Sept 2008
319.	<b>Possible links between anomalies in the photoemission, optical and phonon spectra of high-Tc cuprates</b> <i>S. Cojocar, R. Citro, and M. Marinaro</i> 4th international conference on materials science and condensed matter physics, september 23-

	26, Chisinau
320.	<b>Potential energy surfaces of semi-spheroidal atomic clusters</b> <i>D.N. Poenaru, R. A. Gherghescu, I. H. Plonski, A. Solovoyov and W. Greiner</i> Nuclear Cluster Conference Clusters2007, Stratford-upon-Avon, UK, 3-7 Sept. 2007, J. Phys. : Conferences Series 111, 012047 (2008)
321.	<b>Precise determination of the sigma pole from pion-pion elastic scattering</b> <i>I. Caprini</i> International Symposium Approaches to Quantum Chromodynamics, 419. WE-Heraeus-Seminar, Oberwoelz, Austria, September 7th - 13th, 2008
322.	<b>Precise determination of the sigma resonance</b> <i>Irinel Caprini</i> Third National Conference on Theoretical Physics, Busteni, Romania, June 10-13, 2008
323.	<b>Preliminary experiments for a slow positron beam facility at HH-NIPNE Bucharest</b> <i>M. Straticiuc, C. Chiojdeanu, F. Constantin, L. Craciun, I. Ghita, C. Ionescu, P.M. Racolta, A. Vasilescu</i> 15th National Conference on Physics, CNF2008, 10-13 Sept 2008, Bucuresti, Magurele, Romania
324.	<b>Preliminary Results for Inner-Shell Ionization in Ion-Atom Collisions at MeV/u Energies</b> <i>M.M. Gugiu, C. Ciortea, A. Enulescu, I. Piticu, I.V. Popescu, D.E. Dumitriu, D. Fluerasu, A.C. Scafes, M.C. Pentia, C. Ciocarlan, M.D. Pena</i> Conferinta Nationala De Fizica (CNF) 2008, 10 – 13 septembrie 2008, Bucuresti
325.	<b>Preliminary results on micro-elemental analysis of some Transylvanian meteorites, lunar and native gold samples</b> <i>B. Constantinescu, A. Vasilescu, D. Ceccato, C. Ionescu, D. Pop</i> 2nd International Nuclear Chemistry Congress, 13-18 April 2008, Cancun, Mexico
326.	<b>Preparation of high activity HTO using recovered tritium from expired beta light sources</b> <i>C. Postolache, S. Brad, Lidia Matei, G. Bubueanu</i> The 14th ICIT Conference Progress in Cryogenics and Isotopes Separation, Calimanesti-Caciulata, Romania, 7-9 Nov 2007
327.	<b>Preparation of human serum albumin nanospheres labeled with 188Re</b> <i>Virginia N. Borza, Elena Neacsu, Nicoleta Popescu-Pogrion, Ionel Mercioniu, Cristina L. Nistor, Catalina Barna</i> The 2nd International Conference on Advanced Nano Materials (ANM 2008), Aveiro, Portugalia, 20-27 June 2008
328.	<b>Present status of the first version of NIHAM TRD-FEE analogic CHIP</b> <i>Mihai Petrovici and Vasile Catanescu</i> CBM Collaboration Meeting, 12th - October 13-18, 2008, JINR, Dubna, <a href="http://www.gsi.de/documents/DOC-2008-Oct-84-1.pdf">http://www.gsi.de/documents/DOC-2008-Oct-84-1.pdf</a>
329.	<b>Present status of the first version of NIHAM TRD-FEE analogic chip</b> <i>V. Catanescu</i> CMB_XYTER Meeting, GSI, April 17, 2008, GSI-Darmstadt, Germany
330.	<b>Preshower Detector for Pionium Lifetime Determination</b> <i>M. Pentia, C. Ciocarlan, S. Constantinescu, D.E. Dumitriu, M. Gugiu, Gh. Caragheorgheopol</i> Conferinta Nationala De Fizica (CNF) 2008, 10 – 13 septembrie 2008, Bucuresti
331.	<b>Preshower Detector Implementation In <math>\pi^+\pi^-</math> Hadronic Atom Breakup Studies</b> <i>M. Pentia, D.E. Dumitriu, M. Gugiu, C. Ciocarlan, S. Constantinescu, and C.</i>

	<p><i>Caragheorgheopol</i> 4th Conference on Elementary Processes in Atomic Systems, Cluj-Napoca, Romania, June 18-20, 2008</p>
332.	<p><b>Prevenirea Terorismului Nuclear in Transportul Materialelor Nucleare</b> <i>Cristian A. Dragolici, Corneliu Petram</i> Securitate si Aparare in Uniunea Europeana, Universitatea Nationala de Aparare "Carol I", Bucuresti, 17-18 Aprilie, 2008</p>
333.	<p><b>Progress in organizing national and international comparisons for nuclear medicine measurements</b> <i>M.Sahagia, A.C.Wätjen, C.Ivan</i> IRPA 12 International Congress of the International Radiation Protection Association, Buenos Aires, 19-24 octombrie 2008, Proc TS III 3.3 ID2377</p>
334.	<p><b>Proposed meteorological pre-processor for IFIN-HH</b> <i>Dan Galeriu, Anca Melintescu, Dan Slavnicu</i> National Conference of Physics, CNF 2008, 10 – 13 September 2008, Bucharest-Magurele, Romania (<a href="http://www.nipne.ro/cnf2008/Lucrari_CNF2008.doc">http://www.nipne.ro/cnf2008/Lucrari_CNF2008.doc</a>)</p>
335.	<p><b>Pulse Height Distribution Measurements On Polycrystalline CVD-Diamond With Heavy Ions At Energies of 11 MeV/u and 50 MeV/u</b> <i>A. Braeuning – Demian, D. Fluerasu, D. Dumitriu</i> 4th Conference on Elementary Processes in Atomic Systems, Cluj-Napoca, Romania, June 18-20, 2008</p>
336.	<p><b>Quality control for irradiated culture media used in a Microbiological Laboratory</b> <i>Laura TRANDAFIR, Mihai CONSTANTIN, Mioara ALEXANDRU, Daniel NEGUT</i> Recent Developments and Applications of Nuclear Technologies (Nucleartech'08), Bialowieza, Poland, September 15-17, 2008</p>
337.	<p><b>Quantum fields on noncommutative spaces</b> <i>C.S. Acatrinei</i> 6th International Spring School and Workshop " Quantum Field Theory &amp; Hamiltonian Systems" International Spring School and Workshop " Quantum Field Theory &amp; Hamiltonian Systems" 06-11 May 2008, Calimanesti-Caciulata, ROMANIA</p>
338.	<p><b>R&amp;D Activities for Detector Development for High Counting Rate Environment</b> <i>Mariana Petris</i> 15th National Conference on Physics, Bucharest, 10-13 September 2008</p>
339.	<p><b>RADIOANALITICAL AND BIOLOGICAL MONITORING METHODS OF DONOR METHYL RADICALS COMPETITIVE REACTIONS INVOLVED IN TRANSMETHYLATION METABOLISM</b> <i>Valeria Lungu, Diana Chiper, Lidia Matei, Cristian Postolache, Catalina Barna, Mariana Purice and George Bubueanu</i> 2nd International Nuclear Chemistry Congress, 13-18 aprilie 2008, Cancun, Mexic</p>
340.	<p><b>RADIOLABELING OF NEUROTENSIN ANALOGUE WITH 177LU IN VITRO ANALYSIS</b> <i>Valeria Lungu, Diana Chiper, Iuliana Gruia, Mariana Purice</i> 15th Workshop -the Synthesis and Application of Isotopes and Isotopically Labelled Compounds, Bad Soden, Germany, june 12-13, 2008</p>
341.	<p><b>Radiolabelled Molecules for Targeted Radiotherapy of Cancer and Inhibition of Angiogenesis</b> <i>Dana Niculae, Valeria Lungu, Lorelei Brasoveanu, Maria Iuliana Gruia, Rodica Anghel, Marina Iliescu, Diana Savu</i> Workshop Radioisotopes&amp; Biomolecules, a Partnership for the Early Diagnosis and Targeted</p>

	Radiotherapy of Cancer, Bucharest, Romania, November 26-28 , 2008
342.	<b>Radiolabelling of neurotensin with <math>^{177}\text{Lu}</math> for peptide receptors targeted radiotherapy</b> <i>Valeria Lungu , Diana Chiper, Lidia Matei, Iuliana Gruia,</i> Workshop Radioisotopes& Biomolecules, a Partnership for the Early Diagnosis and Targeted Radiotherapi of Cancer, Bucharest, Romania, 26-28 November, 2008
343.	<b>Radionuclide distribution coefficients and transfer factors from soil to vegetation</b> <i>M. Bragea, C.I. Cristache, O.G. Dului , M. Toma ,I. Paunica, L. Done, F. Dragolici</i> 6th International Student Conference of Balkan Physical Union 21 -24 August 2008, Bodrum TURKEY
344.	<b>Radiosensitivity of Peripheral Blood Lymphocytes in Patients with Genital Cancer</b> <i>D. Savu, S. Cincea, R. Anghel, I.Petcu</i> Radioprotection, Vol 43, nr 5 , p 242 , 2008, 36-th Annual Meeting of the European Radiation Research Society, Touraine Val de Loire , Sept 2008
345.	<b>RADIOSENSITIVITY OF PERIPHERAL BLOOD LYMPHOCYTES IN PATIENTS WITH GENITAL CANCER</b> <i>D. Savu, S. Cincea, R. Anghel, I.Petcu</i> NucInfo'Day 2008, Universitatea Pitesti, 7-9 mai 2008
346.	<b>Radon measurements in Romanian salt mines</b> <i>C. Cosma, T. Dicu, K. Szacsvai, R. Begy, V. Cosma, C. Bordeanu</i> NRC7 - SEVENTH INTERNATIONAL CONFERENCE ON NUCLEAR AND RADIOCHEMISTRY , Budapest, Hungary 24-29 August 2008
347.	<b>RBS CHARACTERISATION OF NANOMETRIC ZRN/TIN AND ZRCN/TICN MULTILAYER USED AS REFLECTORS FOR X-RAY WATER WINDOW</b> <i>M. Balaceanu, V. Braic, D. Catana, D. Dudu, O. Muresan, D. Plostinaru</i> 8th International Conference on Physics of Advanced Materials (ICPAM-8) 4-7 June, 2008, Iasi
348.	<b>Reducing RF-Power and X-ray load in ECRIS by metal-dielectric (MD) structures</b> <i>L. Schachter, K. E. Stiebing and S. Dobrescu</i> International Workshop on ECR Ion Sources (ECRIS'08), Chicago, USA, Sept. 2008
349.	<b>Re-evaluation of IFIN-HH data and uncertainties for I-125</b> <i>Maria Sahagia, Cristina Wätjen</i> Uncertainties and Comparisons Workshop -CCRI(II), BIPM, Paris, 17-18 septembrie 2008
350.	<b>Regulatory review of the decommissioning plan of WWR-S research reactor</b> <i>Daniela Dogaru, Cornelia Virtopeanu, Mitica Dragusin, Gheorghe Dogaru</i> CEE Decommissioning and Waste Cooperation, Berlin, Germany, June 18-19th, 2008
351.	<b>Research over the extraction process in order to simulate <math>^{226}\text{Ra}</math> and Unat radionuclides migration in uranium waste dumps</b> <i>Mihaela Bragea, Laszlo Toro, Carmen Cristache, Alina Brusturean</i> The 12th International IRPA Congress in Buenos Aires Argentina, October 19 to 24, 2008.
352.	<b>RICH Calibration with Lambdas</b> <i>B. Popovici</i> 49th LHCB week, Cern, Geneva , septembrie 2008
353.	<b>Role of effective N-N density-dependent forces in sub-barrier fusion</b> <i>H. Esbensen, S. Misicu and F. Carstoiu</i> Fusion 08, International Conference on New Aspects of Heavy Ion Collisions Near the Coulomb Barrier September 22-26, 2008, at the Chicago History Museum, Chicago, USA.

354.	<b>Romanian Underground Laboratory</b> <i>R. M. Margineanu, C. Simion, A. Apostu, C. Gomoiu, S. Bercea, A. Stochioiu</i> CELLAR Meeting, 23-25 June 2008, Bucharest and Slanic Prahova
355.	<b>S500 distribution with KASCADE-Grande</b> <i>G. Toma for the KASCADE-Grande collaboration</i> International Symposium for Very High Energy Cosmic Ray Interactions 2008, Paris, France
356.	<b>SANS of interacting magnetic micro-sized Fe particles in a stomaflex creme polymer matrix</b> <i>Balasoiu M., Anitas E., Bica I., Erhan R., Orelovich O.L., Osipov V., Kuklin. A.I.,</i> ERMR08 Dresden, 25-29 August 2008
357.	<b>SANS of interacting magnetic micro-sized Fe particles in a stomaflex creme polymer matrix</b> <i>M.Balasoiu, I.Bica, E.M.anitas, A.Kh.Islamov, R.Erhan, V.A.Osipov, A.I.Kuklin</i> CNF 2008 Bucuresti, September M.Balasoiu, I.Bica, E.M.anitas, A.Kh.Islamov, R.Erhan, V.A.Osipov, A.I.Kuklin, SANS of interacting magnetic micro-sized Fe particles in a stomaflex creme polymer matrix, CNF 2008 Bucuresti, September
358.	<b>SANS of interacting microsized particles in a polymer matrix</b> <i>Anitas E, Islamov A.Kh, Erhan R. Balasoiu, Bica I, Osipov V.A., Kuklin A.I.</i> Moscow International Symposium on Magnetism, June 20-25 2008, Book of Abstracts, pag. 462, 23 PO-3-17
359.	<b>Scalar and gauge translation-invariant noncommutative models</b> <i>A. Tanasa</i> 3rd National Conference on Theoretical Physics, Busteni, iunie 2008 *1. T. Krajewski, V. Rivasseau, A. Tanasa and Z. Wang, Topological Graph Polynomials and Quantum Field Theory, Part I: Heat Kernel Theories, arXiv:0811.0186 [math-ph]. *2. J. Ben Geloun and A. Tanasa, One-loop beta functions of a translation-invariant renormalizable noncommutative scalar model, Lett. Math. Phys. 86, 19 (2008) [arXiv:0806.3886 [math-ph]].
360.	<b>Search for Excited Quarks in ep Collisions at HERA</b> <i>Gabriel Stoicea</i> National Conference of Physics (CNF2008), Magurele-Bucharest, Romania, September 10-13, 2008
361.	<b>Seeing at the nanoscale: Atomic Force Microscopy ( AFM )</b> <i>L. Craciun, I.A. Ghita, C. Ionescu, P.M. Racolta, M. Straticiu, A. Vasilescu</i> 8th International Conference on Physics of Advanced Materials (ICPAM-8), Iasi, Romania, Iunie 4 – 7, 2008
362.	<b>Selected aspects of flow phenomena in heavy ion collisions - invited lecture</b> <i>Mihai Petrovici si Amalia Pop</i> AIP Conf. Proc. -- January 24, 2008 -- Volume 972, pp. 98-106, EXOTIC NUCLEI AND NUCLEAR/PARTICLE ASTROPHYSICS (II): Proceedings of the Carpathian Summer School of Physics, Sinaia, Romania, August 20-31, 2007; DOI:10.1063/1.2870482, ISBN: 978-0-7354-0490-8
363.	<b>Selenium status in patients with skin squamous cell carcinoma</b> <i>I. Nicolae, S. Schipor, M. Ciortea, C. Ciortea</i> 17th EADV Congress, Paris, September 15-20, 2008
364.	<b>Self consistent optical potential for <math>\alpha</math>-particles at low energies</b> <i>M. Avrigeanu, W. Von Oertzen, A. Obreja, F.L. Roman and V. Avrigeanu</i> Int. Conf. on Nuclear Data for Science and Technology (ND-2007), Nice, France, 22-27 Apr. 2007, O. Bersillon et al. (Eds.), EDP Sciences, Paris, 2008, p.183.

365.	<b>Self-Consistent Approach to the Beta Decay of Exotic Nuclei</b> <i>A. Petrovici</i> invited talk at the Annual NuSTAR Meeting, January 30 - February 01, 2008, GSI, Darmstadt, Germany, online at <a href="http://www-win.gsi.de/nustar08/">http://www-win.gsi.de/nustar08/</a>
366.	<b>Self-Consistent Description of Exotic Structure and Decay near the N=Z Line</b> <i>A. Petrovici</i> invited talk at the International Workshop on Nuclear Structure Physics, Shanghai, China, June 1-7, 2008, online at: <a href="http://www.physics.sjtu.edu.cn/nucl/">http://www.physics.sjtu.edu.cn/nucl/</a>
367.	<b>Self-Consistent Description of Exotic Structure and Decay near the N=Z Line in the A~70 Mass Region</b> <i>A. Petrovici</i> seminar given at ISOLDE -CERN, 29 September 2008, online at: <a href="http://indico.cern.ch/conferenceDisplay.py?confId=41839">http://indico.cern.ch/conferenceDisplay.py?confId=41839</a>
368.	<b>Self-radiolytical Processes in Ethyl-Phenyl Siloxanes Labelled with Tritium</b> <i>C. Postolache, Lidia Matei, Rodica Georgescu</i> 2nd International Nuclear Chemistry Congress, 13-18 aprilie 2008, Cancun, Mexic
369.	<b>Serban Titeica -- Professor and Leader of the scientific research in Romania</b> <i>Gh. Adam</i> Birthday Centenary of the Outstanding Romanian Scientist, Professor Serban Titeica, JINR-Dubna, April 14, 2008
370.	<b>Shape coexistence in 44S: New information from gamma-e spectroscopy</b> <i>C.Force, F.Rotaru, S.Grévy, F.Negoita, O.Sorlin, J.C.Angélique, F.Azaiez, B.Bastin, R.Borcea, A.Buta, F.De Oliveira, Z.Dlouhy, Zs.Dombradi, B.Laurent, J.Mrazek, F.Nowacki, D.Pantelica, S.Péru, Y.Penionzhkevich, S.Piétri, M-G.St.Laurent, M.Stanoiu, D.Sohler, I.Stefan, C.Stodel</i> EURORIB'08, Giens, France, June 9th – 13th
371.	<b>Single detector PIGE and PIXE analysis of dental composites</b> <i>E.A. Preoteasa, D.D. Marin, D. Gurban, A. Scafes, M Gugiu, E. Preoteasa</i> European Conference on X-Ray Spectrometry, 16-20 Iunie 2008
372.	<b>SISTEM OF MONITORING THE ATMOSPHERICAL RADON WITH AN IONIZATION CHAMBER DETECTOR TYPE IN PULSE MODE</b> <i>M R Calin</i> Simpozionul NucInfo'Day 7-9 mai, 2008, Pitesti, Tema "Servicii Nucleare in Romania";
373.	<b>Slanic Project - Romanian Underground Laboratory</b> <i>R. Margineanu, B. Mitrica,</i> LAGUNA Face to face Meeting, CERN Geneva Jan. 16-18 , 2008, Elvetia
374.	<b>Small angle scattering as resolution harming factor for isotopic peaks in mass spectra</b> <i>D. Ioanoviciu, I. Albert, C. Ciortea, C. Cuna, D. Dumitriu, N. Lupsa, V. Mirel</i> 6th Conference on Isotopic Processes, Cluj-Napoca, 22-24 September 2008
375.	<b>Soliton stability of generalized NLS equations</b> <i>D. Grecu</i> 6-th Spring School and Workshop on Quantum Field Theory and Hamiltonian Systems, May 6-11, Calimanesti, 2008
376.	<b>Some considerations on the XRF use in museum measurements – the case of medieval silver coins</b> <i>B. Constantinescu, Roxana Bugoi, E.Oberlaender-Tarnoveanu</i> National Physics Conference, Bucharest, Romania, 10-13 September 2008.

377.	<p><b>Some metallurgical aspects of ancient silver coins discovered in Romania (original and imitations) – provenance, destination and commercial networks</b>  <i>B. Constantinescu, R. Bugoi</i>          Turkish Physical Society 25th International Physics Conference, Bodrum, Turkey, 25 – 29 August 2008.</p>
378.	<p><b>Some Metallurgical Aspects of Ancient Silver Coins Discovered in Romania (Original and Imitations) – Provenance, Destination and Commercial Networks</b>  <i>B. Constantinescu, R. Bugoi</i>          International Symposium “Archaeomet 3” Ancient and Medieval Gold, Silver and Bronze - Technologies in Minting and Trefining used during Antiquity and Middle Age - the Contribution of the atomic and nuclear analyses, Curtea de Argeș, Romania, 29th-31st October 2008.</p>
379.	<p><b>Some metallurgical aspects of ancient silver coins discovered in Romania (original and imitations) – provenance, destination and commercial networks</b>  <i>D. Stan, B. Constantinescu, R. Bugoi, T. Isvoranu</i>          International Balkan Workshop on Applied Physics, Constanta, Romania, 7-9 July 2008.</p>
380.	<p><b>Space-Time Seismicity Patterns Identification in Vrancea (Romania) Seismic Region Using High-Resolution Revised Catalog Data</b>  <i>O.F. Cărbunar IFIN-HH Romania, Mircea Radulian INFP Romania, David Van Seggern Seismological Laboratory Reno SUA, Marian Ivan Fac. of Geophysics Bucharest University</i>          AGU Fall Meeting, San Francisco, 15-19 December, 2008</p>
381.	<p><b>Spectral and modeling study on nature of 2 pyridine aldoxime methyl chloride interaction with some sterols. IV. Ergosterol, lanosterol and 7-dehydrocholesterol</b>  <i>M. Manea, V. Chiosa, C. Mandravel and I. Stanculescu</i>          ICOSECS 6, 10-14 september 2008 Sofia, Bulgaria</p>
382.	<p><b>Standardization of the therapeutical radionuclides</b>  <i>M. Sahagia, A.C. Watjen, E.L. Grigorescu, A. Luca, C. Ivan and A. Antohe</i>          Radioizotopi si Biomolecule - Un Parteneriat pentru Diagnosticul Precoce si Radioterapia Tintita a Cancerului, Bucuresti, 26-28 noiembrie 2008</p>
383.	<p><b>Statistical multifragmentation: isoscaling, isospin fluctuations and the symmetry term of the nuclear equation of state</b>  <i>Ad. R. Raduta, F. Gulminelli</i>          Gordon Research Conference - Nuclear Chemistry, Colby-Sawyer College, New London, NH, USA, 15-20 June 2008</p>
384.	<p><b>STATUS AND PERSPECTIVES AT THE CYCLOTRON IFIN-HH BUCHAREST FOR MATERIALS ANALYSIS AND CHARACTERISATION</b>  <i>L. Craciun, D. Dudu, E. A. Ivanov, P. M. Racolta, I. Rusen, I. Vata</i>          8th International Conference on Physics of Advanced Materials (ICPAM-8) 4-7 June, 2008, Iasi</p>
385.	<p><b>Status and perspectives for a slow positron beam facility at the HH-NIPNE Bucharest</b>  <i>L. S. Craciun, O. Constantinescu, I. A. Ghita, C. Ionescu, P. M. Racolta, M. Straticiu, A. Vasilescu, V. Braic, C. Zoita, A. Kiss, D. Bojin</i>          20th International Conference on the Application of Accelerators in Research and Industry, CAARI2008, Fort Worth, Texas, USA, August 10-15, 2008</p>
386.	<p><b>Strategy analysis for identification of toxic PCB's congeners in different matrices by hyphenated methods (II). Applications to GC-MS determination of PCB's content in transformers oil</b>  <i>V. Chiosa, R. Done, C. Mandravel, G. Mindrila, C. Toader and I. Stanculescu</i>          ICOSECS 6, 10-14 september 2008 Sofia, Bulgaria</p>

387.	<p><b>Studies on gold provenance for archaeological objects from Romanian History Museum treasure using Micro-XRF and micro-PIXE</b>  <i>B. Constantinescu, R. Bugoi, E. Oberlaender-Tarnoveanu, M. Radtke, T. Calligaro, S. Roehrs, J. Salomon, E. Oberlaender - Tarnoveanu, D. Ceccato</i>          Symposium "ARCHAEOMET-2", May 2008, Bucharest, Romania</p>
388.	<p><b>Studies on gold provenance for archaeological objects from Romanian museums using Micro-XRF and micro-PIXE</b>  <i>B. Constantinescu, R. Bugoi, V. Cojocaru, M. Radtke, T. Calligaro, S. Roehrs, J. Salomon, E. Oberlaender - Tarnoveanu, D. Ceccato</i>          37th International Symposium of Archaeometry, Siena, Italy, 12-16 May 2008</p>
389.	<p><b>Studies with exotic nuclei: Two proton radioactivity</b>  <i>Borcea, C; Blank, B; Canchel, G, et al.</i>          22nd Carpathian Summer School of Physics 2007, AUG 20-31, 2007 Sinaia ROMANIA</p>
390.	<p><b>Studii de cinetica a sistemului anticorp antigen pentru sistemul binar anticorp anticamba-dicamba</b>  <i>Livia Harangus, Ioan Dorobantu</i>          Ziua IFIN-HH'08, Sesiunea de comunicari a tinerilor cercetatori din IFIN-HH, Magurele-Bucuresti, 18 decembrie 2008</p>
391.	<p><b>Study of collective phenomena in heavy ion central collisions at ALICE</b>  <i>C. Andrei, I. Berceanu, A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua</i>          CONFERINTA NATIONALA DE FIZICA (CNF) 2008, 10 – 13 septembrie 2008, Bucuresti</p>
392.	<p><b>Study on radiation resistance of microorganisms in the irradiation room of an industrial irradiator</b>  <i>Mihai Constantin, Laura Trandafir</i>          International Conference on Industrial Microbiology and Applied Biotechnology, Galati, Romania, October 9 - 11, 2008</p>
393.	<p><b>Symmetry of eference, base to general Lorentz transformations</b>  <i>M. Dima, M. Petre</i>          CNF-2008</p>
394.	<p><b>SYNTHESIS AND BIODISTRIBUTION OF <sup>177</sup>Lu-DOTAM-EGF</b>  <i>Valeria Lungu, Dana Niculae, Rodica Anghel, Iuliana Gruia and Marina Iliescu</i>          2nd International Nuclear Chemistry Congress (2nd INCC), 11-20 april 2008, Mexic, Cancun</p>
395.	<p><b>SYNTHESIS AND BIODISTRIBUTION OF A NOVEL AGENT FOR RADIOIMMUNOTHERAPY: <sup>177</sup>LU-DOTAM-EGF</b>  <i>Valeria Lungu, Dana Niculae, Marina Iliescu</i>          6th International Conference Isotopes, Seoul, Korea, May 12-16, 2008</p>
396.	<p><b>Synthesis of [1,2-<sup>3</sup>H] Nandrolon for RIA Kits</b>  <i>Lidia Matei, C. Tanase, C Postolache, G Bubueanu, C Podina,</i>          2nd International Nuclear Chemistry Congress, 13-18 aprilie 2008, Cancun, Mexic</p>
397.	<p><b>Synthesis of Labeled Compounds using recovered tritium from expired beta light sources</b>  <i>L. Matei, C. Postolache, G. Bubueanu, C. Podina</i>          International Conference of Physical Chemistry, ROMPHYSICHEM-13, Bucuresti, Romania, September 3-5, 2008</p>
398.	<p><b>Synthesis of steroid compounds labeled with tritium. Application in life sciences</b>  <i>L. Matei. C. Postolache, C. Podina, G. Bubueanu</i>          International Conference of Physical Chemistry, ROMPHYSICHEM-13, Bucuresti, Romania,</p>



	September 3-5, 2008
399.	<b>Synthesis of Thymidine Methyl-T and Uridine -5-T</b> <i>C. Postolache, G. Bubueanu, Lidia Matei, Diana Chiper, C. Podina</i> 15 th International Isotope Society Workshop The Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, 12-13 iunie 2008, Bad Soden am Taunus, Germania
400.	<b>Synthesis of Tritiated Biotin by Isotope Exchange Catalist Method</b> <i>C Postolache, Lidia Matei, G Bubueanu</i> 15 th International Isotope Society Workshop The Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, 12-13 iunie 2008, Bad Soden am Taunus, Germania
401.	<b>Synthesis of Tritiated methadone and naloxone by isotope exchange catalist method</b> <i>Lidia Matei, C Postolache, C. Tuta, G Bubueanu</i> 15 th International Isotope Society Workshop The Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, 12-13 iunie 2008, Bad Soden am Taunus, Germania
402.	<b>Synthesis of Tritium Labelled 4-Androstendione, 4-Androsten 3 Diols<math>\alpha</math> And 3<math>\beta</math></b> <i>Lidia Matei; C. Tanase, C Postolache, G Bubueanu, C Podina</i> 2nd International Nuclear Chemistry Congress, 13-18 aprilie 2008, Cancun, Mexic
403.	<b>SYSTEM OF MONITORING THE ATMOSPHERICAL RADON WITH AN IONIZATION CHAMBER DETECTOR TYPE IN PULSE MODE</b> <i>M R Calin</i> Simpozionul Impactul ACQUIS-ului comunitar de mediu asupra tehnologiilor si echipamentelor, editia a 5 a ICPE, Agigea, 3-5 sept. 2008
404.	<b>Targeted Radionuclide Therapy</b> <i>Valeria Lungu, Dana Niculae, Diana Chiper, M. Radu,</i> Workshop Radioisotopes& Biomolecules, a Partnership for the Early Diagnosis and Targeted Radiotherapi of Cancer, Bucharest, Romania, 26-28 November, 2008
405.	<b>Terapia Radionuclidica Tintita in Tratamentul Cancerului</b> <i>Valeria Lungu, Dana Niculae, Marieta Panait</i> Simpozion National VIASAN-CEEX, Sinaia, Romania, 28-30 Septembrie 2008
406.	<b>Terorismul Nuclear si Implicatiile Sale Asupra Securitatii Exploatarii Reactorilor Nucleari in Romania</b> <i>Corneliu Petran, Cristian A. Dragolici</i> Securitate si Aparare in Uniunea Europeana, Universitatea Nationala de Aparare "Carol I", Bucuresti, 17-18 Aprilie, 2008
407.	<b>The anisotropic glass-like properties of disordered crystals</b> <i>D. V. Anghel and D. Churochkin</i> 25th Low Temperature Physics Conference, Amsterdam, 6-13.08.2008
408.	<b>The Best performance of a laboratory taking part in International Proficiency Testing exercises</b> <i>Emanuela Cincu, Ioana Manea Grigore, Mihaela Marica, Ioan Lucian Cazan, Valentin Manu</i> 6th EURACHEM Workshop on Proficiency Testing, Roma, Italia, 5-7 octombrie
409.	<b>The Bucharest FN Tandem Accelerator: modernization and development</b> <i>S. Dobrescu, D. V. Mosu, D. Moisa and S. Papureanu</i> Conference on Application of Accelerators in Research and Industry (CAARI 2008), Fort Worth, Texas, USA, 10-15 August, 2008
410.	<b>The contribution of archaeometrical investigation to the study of fragmentary preserved Roman bronze statues from Dacia inferior</b> <i>Cristina-Georgeta Alexandrescu, GheorgeNiculescu, Bogdan Constantinescu, Migdonia Georgescu Catalina Pauna, Daniela Stan</i>

	he 3rd Symposium on Archaeometry, Curtea de Arges, Romania, October 29th-31st 2008
411.	<b>THE DARESBURY LABORATORY MASTER CLASS ON CULTURAL HERITAGE SCIENCE: AN UPDATE</b> <i>R. Bugoi, E. Bidaud, D. Benedetti, B. Comendador, P. Manti, W. Kockelmann, A. D. Smith, M. A. MacDonald, A. M. T. Bell, P. Rizkallah, R. L. Jones, L. Bertrand and E. Pantos</i> Synchrotron Radiation in Art and Archaeology (SR2A), Barcelona, Spain, 22-25 October, 2008
412.	<b>The DL Master Class on Cultural Heritage Science: An update</b> <i>R. Bugoi, E. Bidaud, D. Benedetti, B. Comendador, P. Manti, W. Kockelmann, A. D. Smith, M. A. MacDonald, A. M. T. Bell, P. Rizkallah, R. L. Jones, L. Bertrand, E. Pantos</i> UK Synchrotron Radiation User Meeting, Daresbury Laboratory, UK, 11-12 September 2008
413.	<b>The Effect of Ceftazidime on the Electrophysiological Properties of Ompf</b> <i>Marin A, Macri BM, Radu M, Winterhalter M</i> The Annual International Conference of RSBMB, BucharestT, May 29 – 31, 2008.
414.	<b>The effect of depleted deuterium water diet on DNA synthesis in rat bone marrow cells following cytostatic chemotherapy</b> <i>Viorel Fugaru, Ioan Encut, Nicolae Manolescu</i> 7th Congress of the Balkan Union of Oncology, Kusadasi, Turey, October, 2008
415.	<b>The HESR RF-system and tests in COSY</b> <i>R. Stassen, K. Bongardt, F.J. Etzkorn, H. Stockhorst, S. Papureanu, A. Schnase</i> European Particle Accelerator Conference (EPAC 2008), Genoa, Italy, 23-27 Iunie, 2008
416.	<b>The in vitro biological evaluation of the radiolabelled monoclonal antibodies 188Re-anti-VEGF-Mab and 188Re-anti-MUC1</b> <i>Dana niculae, Valeria Lungu, Iuliana Maria Gruia, Marina Iliescu</i> 6th International Conference of Isotopes, Seoul, Korea, May 12-16, 2008
417.	<b>The influence of chemical composition of radioactive waste on the mechanical performance of the embedding matrix</b> <i>Laura Ionascu, Mihaela Nicu, Felicia Dragolici, Corneliu Turcanu, Gheorghe Rotarescu, Gheorghe Dogaru</i> International Conference Plutonium Futures “The Science 2008”, Dijon, France, July 07-11th 2008, Dijon-France
418.	<b>The JEFF evaluated nuclear data project</b> <i>A.J. Koning, M. Avrigeanu, V. Avrigeanu et al.</i> Int. Conf. on Nuclear Data for Science and Technology (ND-2007), Nice, France, 22-27 Apr. 2007, O. Bersillon et al. (Eds.), EDP Sciences, Paris, 2008, p.721.
419.	<b>The measurement of atmospherical Radon in seismic monitoring applications</b> <i>M R Calin, C Ionescu, A Grigore</i> Conf. Nat. de Fizica, Bucuresti, Magurele, 10-13 sept. 2008
420.	<b>The measurement of the electric parameters of some polymeric materials in the execution of ionizing chambers</b> <i>S. Bercea, C. Miron, B. Neacsu, C. Cenusu, A. Celarel</i> SESIUNEA STIINTIFICA ANUALA A FACULTATII DE FIZICA sesiune omagiala dedicata centenarului nasterii lui Șerban Țițeica
421.	<b>The Minimum Detectable Activity - A false friend of the low level gamma-ray spectrometrists ?</b> <i>A. Luca</i> 5th International Conference on Radionuclide Metrology Low-level Radioactivity Measurement

	Techniques (ICRM-LLRMT'08), Braunschweig, Germany, September 22-26, 2008
422.	<b>The Modifications of Viscoelastic Properties of Polysaccharides by Gamma Irradiation</b> <i>F. Mihai, V. Tripadus</i> IX Radiation Physics and Protection Conference, Atomic Energy Authority Headquarter Nasr City, Cairo – Egypt, 15-19 November 2008
423.	<b>The QUANTGRID Project (RO) - Quantum Security in GRID Computing Applications</b> <i>M. Dima, M. Dulea, E. Pauna, P. Marian, B. Mitrica, M. Stoica, M. Udrea, A. Sterian, P. Sterian</i> CNF-2008
424.	<b>THE REALIZATION AND THE STANDARDIZATION OF VOLUMIC STANDARD SOURCES USED FOR MONITORING THE ENVIRONMENT AND THE FOOD CHAIN RADIOACTIVITIES</b> <i>Antohe Andrei</i> 6th INTERNATIONAL STUDENT CONFERENCE OF THE BALKAN PHYSICAL UNION, 21-24 August 2008, Bodrum - TURKEY
425.	<b>The sorbtion and mechanical properties of the modified concrete matrix used for conditioning of radioactive waste</b> <i>Daniela Dogaru, Ortensia Niculae, Gheorghita Jinescu, Octavian Dului, Gheorghe Dogaru</i> The 14th National Conference "PROGRESS IN CRYOGENICS AND ISOTOPES SEPARATION", Calimanesti-Caciulata, Valcea, Romania, October 29-31, 2008
426.	<b>The toxic effects of AMPs tested on mammalian cell cultures</b> <i>Radu Mihai, Bacalum Mihaela, Savu Diana, Petcu Ileana</i> Journal of Peptide Science, 2008, vol 14, Issue 8, Suppl. S, pg 148-149, - 30th European Peptide Symposium (30EPS), 31 August - 5 September 2008, Helsinki, Finland
427.	<b>The Unirea salt mine Romanian underground laboratory</b> <i>R. Margineanu, B. Mitrica,</i> Laguna kick-off meeting, Zurich, Elvetia, 3-4 iulie 2008
428.	<b>The use of Piecewise Perturbation Method in complex energy nuclear structure calculations</b> <i>T. Vertse, L.Gr. Ixaru, M. Rizea</i> Workshop on Numerical Approach of Oscillatory Functions, 16-18 Jan. 2008, Gent, Belgium
429.	<b>THE WEAR AND/OR CORROSION MONITORING ION BEAM BASED TECHNIQUE</b> <i>Liviu CRACIUN, Cristina IONESCU, Petru Mihai RACOLTA</i> CEEX 2008 CONFERENCE
430.	<b>The XRD phase identification of radioactive precipitates cemented matrix</b> <i>Mihaela Nicu, Laura Ionascu Felicia Dragolici, Corneliu Turcanu, Gheorghe Rotarescu, Gheorghe Dogaru</i> International Conference Plutonium Futures “The Science 2008”, Dijon, France, July 07-11th, 2008
431.	<b>Theoretical Study of the Potential Antiperioxidant Activity of the Bisbenzylisoquinoline Alkaloids</b> <i>I. Stanculescu and C. Bendic</i> ROMPHYSHEM 13, September 3 - 5, 2008, Bucharest - ROMANIA
432.	<b>Time Resolution of Radiation Hard Resistive Plate Chambers for Experiment at Fair</b> <i>D.Bartos, G.Caragheorgheopol, F.Dohrmann, K.D.Hildenbrand, B.Kampfer, R.Kotte, L.Naumann, M.Petris, M.Petrovici, V.Simion, M.C.S.Williams, J.Wustenfelf</i> 2008 Nuclear Science Symp., Medical Image Conference and 16th Room Temperature Semiconductor Detector Workshop, 19-25 Oct., 2008, Dresden, Germany

433.	<b>TLD System for the monitoring of the Environmental Radioactivity</b> <i>A. Stochioiu, M. Sahagia, I. Tudor</i> IRPA12 Congress, Buenos Aires, Argentina, 19-24 October, 2008, Proc TS I 1.1.ID:3138
434.	<b>Tools for Data Analysis</b> <i>Gabriel Stoicea</i> School on High Energy Physics, IFIN-HH, Magurele-Bucharest, October 27, 2008
435.	<b>TRD chamber production @ NIPNE-Bucharest</b> <i>Mihai Petrovici</i> ALICE-TRD Collaboration Meeting, June 6-7, 2008, Hounstein, Germany, <a href="http://indico.cern.ch/getFile.py/access?contribId=1&amp;resId=0&amp;materialId=slides&amp;confId=35522">http://indico.cern.ch/getFile.py/access?contribId=1&amp;resId=0&amp;materialId=slides&amp;confId=35522</a>
436.	<b>TRD Chamber Production Status @ NIHAM</b> <i>Mariana Petris</i> ALICE Workshop , 20 - 24 August, 2008, Sibiu, Romania
437.	<b>Triglycin sulfate unit. A complete vibrational analysis</b> <i>C.A. Simion, V. Tripadus</i> 15-th National Conference on Physics, Bucharest, 10-13 September 2008
438.	<b>Two-body correlations induced by pairing</b> <i>N. Sandulescu</i> Probing pair-correlations: experimental tools and associated models, CEA/SphN Saclay, 13-15 oct. 2008
439.	<b>Uncertainties associated with the activity measurements of Fe-55 by LSC-TDCR</b> <i>Cristina Wätjen, Philippe Cassette, Maria Sahagia</i> Activity Uncertainties and Comparisons Workshop -CCRI(II), Paris, BIPM, 17-18 septembrie 2008,
440.	<b>Uncertainties versus Stellar Models</b> <i>C. Bordeanu</i> Carpathian Workshop of Physics, Nuclear Reaction with Exotic Nuclei and Astrophysics, 23-27 June 2008, Sinaia, Romania
441.	<b>Universality of Mallmann correlations for nuclear band structures</b> <i>D. Bucurescu, N.V. Zamfir, G. Cata-Danil, M. Ivascu, N. Marginean</i> AIP Conference Proceedings vol. 1072(2008)27-31: Nuclear Physics and Astrophysics: from Stable Beams to Exotic Nuclei, Cappadocia, 25-30 June 2008
442.	<b>Using of complex phenomena modelling in biodosimetry. Post-irradiation analysis of some amino acids samples. Validation of theoretical methods</b> <i>Corina Anca Simion</i> Fizica computatională și modelarea fenomenelor complexe, First Edition, Timisoara, 29-30 mai 2008
443.	<b>Validation of testing protocol for pharmaceutical products with antimicrobial activity</b> <i>Laura TRANDAFIR, Mihaela ENE, Mioara ALEXANDRU, Mihai CONSTANTIN</i> International Conference on Industrial Microbiology and Applied Biotechnology, Galati, Romania, October 9 - 11, 2008
444.	<b><math>\alpha</math>-Decay Half-Lives of the Superheavy Elements</b> <i>I. Silisteanu, M. Rizea, B. Ciobanu, A. Neacsu,</i> 3NCTP - Third National Conference of Theoretical Physics

**Anexa 5.3: Modele fizice, modele experimentale, modele funcționale, prototipuri, normative, proceduri, metodologii, reglementări și planuri tehnice noi sau perfecționate, realizate în cadrul programelor naționale sau comandate de beneficiar**

2008

<b>0.</b>	<b>Nume</b>	<b>Procedura/Metodologie</b>	<b>Titlu lucrare</b>
<b>1.</b>	<b>Mateescu Gheorghe</b>	Metodologie	Metodologia de realizare a straturilor subtiri optice, anticorozive, antiuzura pe Instalatia Multifunctionala Thin Films de la Universitatea Transilvania din Brasov finalizata in cadrul contractului CEEX 101/2006, Faza nr. 5/RIA 5/28.10.2008
<b>2.</b>	<b>Eugeniu Ivanov</b>	Proceduri	Realizarea unei linii de fascicol pentru iradieri intense dotata cu system de diagnoza si control al fascicolului
3.		Proceduri	Adaptari si setari ale ciclotronului U-120 pentru noi regimuri de accelerare in subarmonica (H, HE, AR, E.T.C)
<b>4.</b>	<b>Cenusa Constantin</b>	Proceduri	Etalonarea contaminometrelor alfa, beta, gamma
<b>5.</b>	<b>Ioan Valentin Moise</b>	Proceduri	Instructiuni pentru teste si revizii periodice la iradiatorul SVST Co-60/B Rev.1
<b>6.</b>		Proceduri	Procedura pentru mentenanta iradiatorului SVST Co-60/B Rev.1