

Other skills Sport Design.

Driving licence B, B1, BE

ADDITIONAL INFORMATION

Publications

1. *A new AMS facility based on a Cockcroft–Walton type 1 MV tandemron at IFIN-HH Magurele, Romania*

C. Stan-Sion, M. Enachescu, D.G. Ghița, C.I. Calinescu, A. Petre, D.V. Mosu, M. Klein
Nuclear Instruments and Methods in Physics Research B 319 (2014) 117–122,
<http://dx.doi.org/10.1016/j.nimb.2013.07.073>

2. *Cross sections for inelastic scattering of neutrons on Si-28 and comparison with the Mg-25(alpha, n)Si-28 reaction*

A. Negret, C. Borcea, D. Bucurescu, D. Deleanu, P. Dessagne, D. Filipescu, D. Ghița, T. Glodariu, M. Kerveno, N. Marginean, R. Marginean, C. Mihai, S. Pascu, A.J.M. Plompen, T. Sava, L. Stroe
PHYSICAL REVIEW C Volume: 88 Issue: 3 Article Number: 034604 DOI:
10.1103/PhysRevC.88.034604 Published: SEP 11 2013

3. *Electromagnetic transition rates in the N=80 nucleus Ce-138(58)*

T. Alharbi, P.H. Regan, P.J.R. Mason, N. Marginean, Z. Podolyak, A.M. Bruce, E.C. Simpson, A. Algora, N. Alazemi, R. Britton, M.R. Bunce, D. Bucurescu, N. Cooper, D. Deleanu, D. Filipescu, W. Gelletly, D. Ghița, T. Glodariu, G. Ilie, S. Kisyov, J. Lintott, S. Lalkovski, S. Liddick, C. Mihai, K. Mulholland, R. Marginean, A. Negret, M. Nakhostin, C.R. Nita, O.J. Roberts, S. Rice, J.F. Smith, L. Stroe, T. Sava, C. Townsley, E. Wilson, V. Werner, M. Zhekova, N.V. Zamfir
PHYSICAL REVIEW C Volume: 87 Issue: 1 Article Number: 014323 DOI:
10.1103/PhysRevC.87.014323 Published: JAN 17 2013

+ **Times Cited: 2**

4. *Excited states in I-129*

D. Deleanu, D.L. Balabanski, T. Venkova, D. Bucurescu, N. Marginean, E. Ganioglu, G. Cata-Danil, L. Atanasova, I. Cata-Danil, P. Detistov, D. Filipescu, D. Ghița, T. Glodariu, M. Ivascu, R. Marginean, C. Mihai, A. Negret, S. Pascu, T. Sava, L. Stroe, G. Suliman, N.V. Zamfir
PHYSICAL REVIEW C Volume: 87 Issue: 1 Article Number: 014329 DOI:
10.1103/PhysRevC.87.014329 Published: JAN 22 2013

5. *Half-life of the yrast 2(+) state in W-188: Evolution of deformation and collectivity in neutron-rich tungsten isotopes*

P.J.R. Mason, Z. Podolyak, N. Marginean, P.H. Regan, P.D. Stevenson, V. Werner, T. Alexander, A. Algora, T. Alharbi, M. Bowry, R. Britton, A.M. Bruce, D. Bucurescu, M. Bunce, G. Cata-Danil, I. Cata-Danil, N. Cooper, D. Deleanu, D. Delion, D. Filipescu, W. Gelletly, D. Ghița, I. Gheorghe, T. Glodariu, G. Ilie, D. Ivanova, S. Kisyov, S. Lalkovski, R. Lica, S.N. Liddick, R. Marginean, C. Mihai, K. Mulholland, C.R. Nita, A. Negret, S. Pascu, S. Rice, O.J. Roberts, T. Sava, J.F. Smith, P.A. Soederstroem, L. Stroe, G. Suliman, R. Suvaila, S. Toma, C. Townsley, E. Wilson, R.T. Wood, M. Zhekova, C. Zhou,
PHYSICAL REVIEW C Volume: 88 Issue: 4 Article Number: 044301 DOI:
10.1103/PhysRevC.88.044301 Published: OCT 2 2013

6. *SENSITIVITY OF THE ION BEAM FOCAL POSITION WITH RESPECT TO THE TERMINAL HIGH VOLTAGE RIPPLE IN AN FN-TANDEM PARTICLE ACCELERATOR*

D.V. Mosu, D.G. Ghița, T. Sava, S. Dobrescu, I.O. Mitu, I.C. Calinescu, B. Savu, G. Cata-Danil
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS Volume: 75 Issue: 1 Pages: 207-214 Published: 2013

7. *The generalized centroid difference method for picosecond sensitive determination of lifetimes of nuclear excited states using large fast-timing arrays*

J.M. Regis, H. Mach, G.S. Simpson, J. Jolie, G. Pascovici, N. Saed-Samii, N. Warr, A. Bruce, J. Degenkolb, L.M. Fraile, C. Fransen, D.G. Ghița, S. Kisyov, U. Koester, A. Korgul, S. Lalkovski, N. Marginean, P. Mutti, B. Olaizola, Z. Podolyak, P.H. Regan, O.J. Roberts, M. Rudigier, L. Stroe, W.

Urban, D. Wilmsen

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 726 Pages: 191-202 DOI: 10.1016/j.nima.2013.05.126 Published: OCT 21 2013

8. *A new slit stabilization system for the beam energy at the Bucharest tandem Van de Graaff accelerator*

D.V. Mosu, D.G. Ghita, S. Dobrescu, T. Sava, I.O. Mitu, I.C. Calinescu, G. Naghel, G. Dumitru, Gh. Cata-Danil

Nuclear Instruments and Methods in Physics Research A 693 (2012) 143–147

9. *Development of a GVM-based ion beam energy stabilization system at the Bucharest Van de Graaff FN tandem accelerator*

D.V. Mosu, D.G. Ghita, S. Dobrescu, T. Sava, B. Savu, G. Naghel, D. Moisa, I.C. Calinescu, G. Dumitru, I.O. Mitu, M. Petcu, G. Cata-Danil

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 693 Pages: 143-147 DOI: 10.1016/j.nima.2012.06.042 Published: NOV 21 2012

+ **Times Cited: 2**

10. *Excited states of the Pm-150 odd-odd nucleus*

D. Bucureescu, E. Dragulescu, S. Pascu, H-F. Wirth, D. Filipescu, G. Cata-Danil, I. Cata-Danil, D. Deleanu, K. Eppinger, T. Faestermann, D. G. Ghita, T. Glodariu, R. Hertenberg, M. Ivascu, R. Kruecken; N. Marginean, R. Marginean, C. Mihai, A. Negret, T. Sava, L. Stroe, K. Wimmer, N. V. Zamfir,

PHYSICAL REVIEW C Volume: 85 Issue: 1 Article Number: 017304 DOI: 10.1103/PhysRevC.85.017304, JAN 26 2012

11. *Gamma-ray fast-timing coincidence measurements from the 18O+18O fusion–evaporation reaction using a mixed LaBr3-HPGe array*

T. Alharbi, P.J.R.Mason, P.H.Regan, Zs.Podolyak, N.Marginean, M.Nakhostin, M.Bowry, D. Bucureescu, G.Cata-Danil, I.Cata-Danil, D.Deleanu, D.Filipescu, T.Glodariu, D.Ghita, R. Marginean, C.Mihai, A.Negret, S.Pascu, T.Sava, L.Stroe, G.Suliman, N.V.Zamfir, A.M. Bruce, C.Rodriguez-Triguero, P.C.Bender, U.Garg, M.N.Erduran, A.Kusoglu, M.Bostan, P. Detistov, N.Alkhomashi, A.K.Sinha, R.Chakrabarti, S.S.Ghugre

Applied Radiation and Isotopes, Volume 70, Issue 7, July 2012, Pages 1337-1339

12. *Half-life of the I- $\pi=4(-)$ intruder state in P-34: M2 transition strengths approaching the island of inversion*

Mason, P. J. R.; Alharbi, T.; Regan, PH; Marginean, N; Podolyak, Z; Simpson, EC; Alkhomashi, N; Bender, PC; Bowry, M; Bostan, M; Bucureescu, D; Bruce, AM; Cata-Danil, G; Cata-Danil, I; Chakrabarti, R; Deleanu, D; Detistov, P; Erduran, MN; Filipescu, D; Garg, U; Glodariu, T; Ghita, D; Ghugre, SS; Kusoglu, A; Marginean, R; Mihai, C; Nakhostin, M; Negret, A; Pascu, S; Triguero, CR; Sava, T; Sinha, AK; Stroe, L; Suliman, G; Zamfir, NV

PHYSICAL REVIEW C Volume: 85 Issue: 6, Article Number: 064303, 2012

13. *Low-spin excitations in Sm-146*

C. Kueppersbusch, S. Pascu, P. von Brentano, D. Bucureescu, G. Cata-Danil, D. Deleanu, J. Endres, M. Elvers, D. Filipescu, C. Friessner, D.G. Ghita, T. Glodariu, C. Mihai, N.M. Marginean, R. Marginean, A. Negret, T. Sava, L. Stroe, V. Werner, N.V. Zamfir, K.O. Zell, A. Zilges

EUROPEAN PHYSICAL JOURNAL A Volume: 48 Issue: 1 Article Number: 1 DOI:

10.1140/epja/i2012-12001-2, JAN 2012

14. *Low-spin excitations in Sm-146*

C. Kueppersbusch, S. Pascu, P. von Brentano, D. Bucureescu, G. Cata-Danil, D. Deleanu, J. Endres, M. Elvers, D. Filipescu, C. Friessner, D.G. Ghita, T. Glodariu, C. Mihai, N.M. Marginean, R. Marginean, A. Negret, T. Sava, L. Stroe, V. Werner, N.V. Zamfir, K.O. Zell, A. Zilges

EUROPEAN PHYSICAL JOURNAL A Volume: 48 Issue: 1 Article Number: 1 DOI:

10.1140/epja/i2012-12001-2 Published: JAN 2012

15. *THE ENERGY CALIBRATION OF THE BUCHAREST FN TANDEM ACCELERATOR*

C.R. Nita, D. Pantelica, G. Cata-Danil, H. Petrascu, G. Velisa, P. Ionescu, D.G. Ghita, M. Filipescu UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS Volume: 74 Issue: 4 Pages: 141-152 Published: 2012

16. *Cross sections for alpha-particle induced reactions on (115,116)Sn around the Coulomb barrier*
D. Filipescu, V. Avrigeanu, T. Glodariu, C. Mihai, D. Bucurescu, M. Ivascu, I. Cata-Danil, L. Stroe, O. Sima, G. Cata-Danil, D. Deleanu, D.G. Ghita, N. Marginean, R. Marginean, A. Negret, S. Pascu, T. Sava, G. Suliman, N.V. Zamfir

PHYSICAL REVIEW C Volume: 83 Issue: 6 Article Number: 064609 DOI:
10.1103/PhysRevC.83.064609, JUN 20 2011

+ **Times Cited: 5**

17. *IN-BEAM COMMISSIONING OF A RECOIL MASS SPECTROMETER*

T.B. Sava, D. Bucurescu, Gh. Cata-Danil, I. Cata-Danil, D. Deleanu, D. Filipescu, D. Ghita, T. Glodariu, M. Ivascu, N. Marginean, R. Marginean, C. Mihai, V. Mosu, A. Negret, G. Pascovici, S. Pascu, L. Stroe, N.V. Zamfir

ROMANIAN JOURNAL OF PHYSICS Volume: 56 Issue: 9-10 Pages: 1094-1107, 2011

18. *IN-BEAM COMMISSIONING OF A RECOIL MASS SPECTROMETER*

T.B. Sava, D. Bucurescu, G. Cata-Danil, I. Cata-Danil, D. Deleanu, D. Filipescu, D. Ghita, T. Glodariu, M. Ivascu, N. Marginean, R. Marginean, C. Mihai, D. V. Mosu, A. Negret, G. Pascovici, S. Pascu, L. Stroe, N.V. Zamfir

ROMANIAN JOURNAL OF PHYSICS Volume: 56 Issue: 9-10 Pages: 1094-1107 Published: 2011

19. *In-beam fast-timing measurements in (103,105,107)Cd*

S. Kisyov, S. Lalkovski, N. Marginean, D. Bucurescu, L. Atanasova, D.L. Balabanski, G. Cata-Danil, I. Cata-Danil, J.-M. Daugas, D. Deleanu, P. Detistov, D. Filipescu, G. Georgiev, D. Ghita, T. Glodariu, J. Jolie, D.S. Judson, R. Lozeva, R. Marginean, C. Mihai, A. Negret, S. Pascu, D. Radulov, J.M. Regis, M. Rudigier, T. Sava, L. Stroe, G. Suliman, N.V. Zamfir, K.O. Zell, M. Zhekova

PHYSICAL REVIEW C Volume: 84 Issue: 1 Article Number: 014324 DOI:
10.1103/PhysRevC.84.014324, JUL 25 2011

+ **Times Cited: 2**

20. *Lifetime measurements by the Doppler-shift attenuation method in the (115)Sn(alpha,n gamma) (118)Te reaction*

C. Mihai, A.A. Pasternak, S. Pascu, D. Filipescu, M. Ivascu, D. Bucurescu, G. Cata-Danil, I. Cata-Danil, D. Deleanu, D.G. Ghita, T. Glodariu, N. Marginean, R. Marginean, A. Negret, T. Sava, L. Stroe, G. Suliman, N.V. Zamfir

PHYSICAL REVIEW C Volume: 83 Issue: 5 Article Number: 054310 DOI:
10.1103/PhysRevC.83.054310, MAY 16 2011

+ **Times Cited: 1**

21. *Reference sources for the calibration of the autocorrelation single-crystal scintillation time spectrometer*

V.A. Morozov, N.V. Morozov, T. Badica, D. Deleanu, D. Ghita, S. Pascu

Romanian Journal of Physics, Volume: 56 Issue: 1-2 Pages: 113-124, 2011

22. *Astrophysical S Factor for Proton Capture on 147Sm and 149Sm*

M.Ivascu, I.Cata-Danil, D.Filipescu, L.Stroe, T.Glodariu, D.Bucurescu, G.Cata-Danil, D.Deleanu, D.G.Ghita, N.Marginean, R.Marginean, C.Mihai, S.Pascu, T.Sava, G.Suliman, N.V.Zamfir

Romanian Journal of Physics Vol 55, 1006 (2010)

23. *In-beam measurements of sub-nanosecond nuclear lifetimes with a mixed array of HPGe and LaBr3:Ce detectors*

N. Marginean, D.L. Balabanski, D. Bucurescu, S. Lalkovski, L. Atanasova, G. Cata-Danil, I. Cata-Danil, J.M. Daugas, D. Deleanu, P. Detistov, G. Deyanova, D. Filipescu, G. Georgiev, D. Ghita, K.A. Gladnishki, R. Lozeva, T. Glodariu, M. Ivascu, S. Kisyov, C. Mihai, R. Marginean, A. Negret, S. Pascu, D. Radulov, T. Sava, L. Stroe, G. Suliman, and N.V. Zamfir

European Physical Journal A Volume 46 Pages 329-336 (2010)

+ **Times Cited: 17**

24. *Isomerism of low-lying states in Y-86*

C. Rusu, D. Bucurescu, N. Marginean, M. Ionescu-Bujor, A. Iordachescu, G. Cata-Danil, I. Cata-Danil, D. Deleanu, D. Filipescu, D. Ghita, T. Glodariu, M. Ivascu, C. Mihai, R. Marginean, S. Pascu, T. Sava, L. Stroe, G. Suliman, and N.V. Zamfir

THE EUROPEAN PHYSICAL JOURNAL A

25. *Measurement of the Sr-90 absolute activity using the autocorrelation single-crystal scintillation method*

V.A. Morozov, N.V. Morozova, N.A. Lebedev, D.V. Filosofov, T. Badica, Gh. Cata-Danil, D. Deleanu, D. Ghita, S. Pascu, I.V. Popescu
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, Volume: 284, Issue: 1, Pages: 221-224 (2010)

26. *Side feeding patterns and nuclear lifetime determinations by the Doppler shift attenuation method in (α , n γ) reactions*

C. Mihai, A. A. Pasternak, D. Filipescu, M. Ivascu, D. Bucurescu, G. Cata-Danil, I. Cata-Danil, D. Deleanu, D. Ghita, T. Glodariu, Yu. N. Lobach, N. Marginean, R. Marginean, A. Negret, S. Pascu, T. Sava, L. Stroe, G. Suliman, and N. V. Zamfir
PHYSICAL REVIEW C 81, 034314 (2010)

+ **Times Cited: 3**

27. *Evolution of deformation in the neutron-rich krypton isotopes: The ^{96}Kr nucleus*

N. Marginean, D. Bucurescu, C. A. Ur, C. Mihai, L. Corradi, E. Farnea, D. Filipescu, E. Fioretto, D. Ghita, B. Guiot, M. GÅrska, M. Ionescu-Bujor, A. Iordachescu, D. Jelavic-Malenica, S. M. Lenzi, P. Mason, R. Mlu0103rginean, D. Mengoni, G. Montagnoli, D. R. Napoli, S. Pascu, G. Pollarolo, F. Recchia, A. M. Stefanini, R. Silvestri, T. Sava, F. Scarlassara, S. Szilner, and N. V. Zamfir
PHYSICAL REVIEW C Volume: 80 Issue: 2 Article Number: 021301(R)

+ **Times Cited: 7**

28. *^{124}Te AND THE $E(5)$ CRITICAL POINT SYMMETRY*

D. G. GHITA, G. CATA-DANIL, D. BUCURESCU, I. CATA-DANIL, M. IVASCU, C. MIHAI, G. SULIMAN, L. STROE, T. SAVA and N. V. ZAMFIR
International Journal of Modern Physics E

29. *Astrophysical S factor for alpha capture on Sn-117*

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
PHYSICAL REVIEW C Volume: 78 Issue: 3 Article Number: 035803

+ **Times Cited: 16**

30. *ELECTRONIC TECHNIQUES IN TIMING MEASUREMENTS FOR NUCLEAR STRUCTURE*

D. G. Ghita

UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS Volume: 70 Issue: 4 Pages: 111-118

31. *Lifetime measurements of the negative-parity $7(-)$ and $8(-)$ states in Cd-122*

D. L. Smith, H. Mach, H. Penttila, H. Bradley, J. Aysto, V.-V. Elomaa, T. Eronen, D. G. Ghita, J. Hakala, M. Hauth, A. Jokinen, P. Karvonen, T. Kessler, W. Kurcewicz, H. Lehmann, I. D. Moore, J. Nyberg, S. Rahaman, J. Rissanen, J. Ronkainen, P. Ronkanen, A. Saastamoinen, T. Sonoda, O. Steczkiewicz, and C. Weber
PHYSICAL REVIEW C 77, 014309 (2008)

+ **Times Cited: 4**

32. *Measurement of cross sections and thick target yields for (α , γ) process on Cu-63*

I. Cata-Danil, M. Ivascu, T. Glodariu, N. V. Zamfir, D. Bucurescu, D. Filipescu, G. Cata-Danil, L. Stroe, C. Mihai, D. Ghita, G. Suliman, T. Sava
ROMANIAN REPORTS IN PHYSICS Volume: 60 Issue: 3 Pages: 555-561

+ **Times Cited: 4**

33. *α -induced cross sections of Cu-63 for astrophysical P process*

I. Cata-Danil, N. V. Zamfir, M. Ivascu, D. Bucurescu, G. Cata-Danil, T. Glodariu, G. Suliman, L. Stroe, D. Ghita, C. Mihai, T. Sava
Romanian Reports in Physics

+ **Times Cited: 1**

34. *DSAM lifetime measurements in the odd-odd nucleus Cu-62*

M. Ivascu, N. V. Zamfir, L. Stroe, G. Suliman, I. Cata-Danil, D. Bucurescu, Gh. Cata-Danil, C. Mihai, T. Glodariu, D. Filipescu, D. Ghița, T. Sava
 ROMANIAN REPORTS IN PHYSICS Volume: 59, Issue: 4, Pages: 1015-1021 2007
 35. *gamma-band staggering and E(5)-type structure: Zn-64*
 C. Mihai, N.V. Zamfir, D. Bucurescu, G. Cata-Danil, I. Cata-Danil, D.G. Ghița, M. Ivascu, T. Sava, L. Stroe, G. Suliman
 PHYSICAL REVIEW C 75 (4): Art. No. 044302 APR 2007
 + **Times Cited: 8**

36. *Measurement of the half-life for two Fe-57 excited states by a single-crystal scintillation time spectrometer*
 V.A. Morozov, N.V. Morozova, T. Badica, G. Cata-Danil, D. Ghița, I.V. Popescu.
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-
 ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 566 (2):
 448-451 OCT 15 2006
 + **Times Cited: 3**

37. *theoretical and experimental investigation of ^{113}In , produced by a p type nuclear synthesis process*. Cata-Danil, N.V. Zamfir, D. Bucurescu, G. Cata-Danil, D. Ghița, T. Glodariu, M. Ivascu, C. Mihai, T. Sava, L. Stroe, G. Suliman
 Romanian Reports in Physics, vol. 58, number 4

Conferences

1. *^7Li -Induced Reactions for Fast-Timing With LaBr₃:Ce Detectors*
 P. J. R. Mason, Zs. Podolyák, N. Marginean, P. H. Regan, T. Alexander, A. Algora, T. Alharbi, M. Bowry, R. Britton, D. Bucurescu, A. M. Bruce, M. Bunce, G. Cata-Danil, I. Cata-Danil, N. Cooper, D. Deleanu, D. Delion, D. Filipescu, W. Gelletly, T. Glodariu, D. Ghița, G. Ilie, D. Ivanova, S. Kisyov, S. Lalkovski, S. N. Liddick, R. Marginean, C. Mihai, K. Mulholland, A. Negret, S. Pascu, S. Rice, O. J. Roberts, T. Sava, J. F. Smith, P. -A. Söderström, P. D. Stevenson, L. Stroe, G. Suliman, C. Townsley, V. Werner, E. Wilson, R. T. Wood, N. V. Zamfir and M. Zhekova
 Nuclear Structure and Dynamics II 2012, Opatija, Croatia, DOI: 10.1063/1.4764210
2. *Elemental concentrations in tree leaves as trace element bioaccumulators in air pollution preventing determined by PIXE technique*
 Ana Pantelica, Marina V. Frontasyeva, Antoaneta Ene, Constantin Ciortea, Marin Marius Gugiu, Dan Gabriel Ghița
 The 1st International Conference on Analytical Chemistry (RO-ICAC'2012), Analytical Chemistry for a Better Life, September 18th –21st, 2012, Targoviste, Romania
3. *Experience in using 3 MeV protons for PIXE application on environmental and biological samples*
 Ana Pantelica, Constantin Ciortea, Marin Marius Gugiu, Daniela Fluerașu, Dana Elena Dumitriu, Dan Gabriel Ghița, and Catalin-Ionut Calinescu
 International Workshop Opportunities for Applied Research at the New Tandem Accelerators of IFIN-HH, November 1-2, 2012, Bucharest-Magurele, Romania
4. *Experimental cross sections for alpha particle induced reactions on tin isotopes*
 T. Glodariu, D. Filipescu, V. Avrigeanu, C. Mihai, L. Stroe, M. Ivascu, I. Cata-Danil, O. Sima, D. Bucurescu, G. Cata-Danil, D. Deleanu, I. Gheorghe, D.G. Ghița, N. Marginean, R. Marginean, A. Negret, S. Pascu, T. Sava, G. Suliman, N.V. Zamfir
 2nd European Nuclear Physics Conference, 16-21 Sept. 2012, Bucharest, Romania
5. *Experimental Cross Sections for proton induced reactions on ^{147}Sm and ^{149}Sm*
 I. Gheorghe, D. Filipescu, M. Sin, T. Glodariu, C. Mihai, D. Bucurescu, M. Ivascu, I. Cata-Danil, L. Stroe, O. Sima, G. Cata-Danil, D. Deleanu, D. G. Ghița, N. Marginean, R. Marginean, A. Negret, S. Pascu, T. Sava, G. Suliman, and N. V. Zamfir
 2nd European Nuclear Physics Conference, 16-21 Sept. 2012, Bucharest, Romania
6. *Fast-Timing Measurements in ^{103}Pd , ^{105}Pd*
 D. Ivanov, S. Lalkovski, S. Kisyov, N. Marginean, D. Balabanski, D. Bucurescu, R.B. Cakirli, M.P. Carpenter, R. Casten, Gh.Cata-Danil, I. Cata-Danil, D. Deleanu, D. Filipescu, I. Gheorghe, D. Ghița, T. Glodariu, F.G. Kondev, R. Marginean, C. Mihai, A. Negret, S. Pascu, T. Sava, E. Stefanova, L. Stroe, G. Suliman, R. Suvaila, N.V. Zamfir
 31st International Workshop on Nuclear Theory, Rila Mountains, 24-30 Iunie, Bulgaria, 2012

7. *Fast-timing measurements in Mo-95, Mo-96*

S. Kisyov, S. Lalkovski, N. Mărginean, D. Bucurescu, L. Atanasova, D. Balabanski, Gh. Căta-Danil, I. Căta-Danil, D. Deleanu, P. Detistov, D. Filipescu, D. Ghiță, T. Glodariu, R. Mărginean, C. Mihai, A. Negret, S. Pascu, T. Sava, L. Stroe, G. Suliman, N. V. Zamfir and M. Zhekova
 XIX International School on Nuclear Physics, Neutron Physics and Applications Volume: 366
 Published: 2012, DOI: 10.1088/1742-6596/366/1/012027

8. *Half-life Measurements of Excited States in ^{132}Te , ^{134}Xe*

O.J. Roberts, A.M. Bruce, F. Browne, N. Marginean, T. Alexander, T. Alharbi, D. Bucurescu, D. Deleanu, D. Delion, D. Filipescu, L. Fraile, I. Gheorghe, D. Ghita, T. Glodariu, D. Ivanova, S. Kisyov, R. Marginean, P.J.R. Mason, C. Mihai, K. Mulholland, A. Negret, C. Nita, B. Olaizola, S. Pascu, P.-A. Soderstrom, P.H. Regan, T. Sava, L. Stroe, S. Toma, C. Townsley
 4th Zakopane Conference on Nuclear Physics – Extremes of the Nuclear Landscape, 27 aug-2 sept 2012, Poland

9. *Half-life of the yrast $2+$ state in ^{188}W studied with LaBr3 fast timing: Measurement of collectivity in the prolate-oblate transitional region*

P. Mason, Zs. Podolyak, N. Marginean, P. Regan, M. Bunce, Gh. Cata-Danil, I. Cata-Danil, N. Cooper, D. Deleanu, D. Filipescu, W. Gelletly, T. Glodariu, D. Ghita, G. Ilie, D. Ivanova, S. Kisyov, S. Lalkovski, S. Liddick, R. Marginean, C. Mihai, K. Mulholland, A. Negret, S. Pascu, S. Rice, O. Roberts, T. Sava, J. Smith, P.A. Soderstrom, L. Stroe, G. Suliman, Ch. Townsley, V. Werner, E. Wilson, T. Alexander, R. Wood, N.V. Zamfir, M. Zhekova, D. Delion, A. Algora, T. Alharbi, M. Bowry, R. Britton, D. Bucurescu
 2nd European Nuclear Physics Conference, 16-21 Sept. 2012, Bucharest, Romania

10. *Improved level scheme for ^{80}Ga from the beta decay of ^{80}Zn*

R. Lica, N. Marginean, D. Ghita, H. Mach, L. Fraile, C. Bernards, J. Briz, B. Bucher, C. Chiara, Z. Dlouhy, I. Gheorghe, P. Hoff, J. Jolie, U. Koster, W. Kurcevic, R. Marginean, B. Olaizola, V. Pazyi, J. Regis, M. Rudigier, T. Sava, G. Simpson, M. Stanoiu, L. Stroe, W. Walters
 2nd European Nuclear Physics Conference, 16-21 Sept. 2012, Bucharest, Romania

11. *Improvements of the research infrastructure at the tandem laboratory in IFIN-HH*

D. G. Ghiță, D. V. Moșu, M. Dogaru, M. M. Guțiu, I. V. Popescu, C. I. Călinescu, Gh. Căta-Danil, M. Enăchescu, N. Mărginean, A. Pantelică, D. Pantelică, A. Petre, T. B. Sava, C. A. Simion, C. Stan-Sion, M. Stătescu, P. Ionescu, N. V. Zamfir
 CAARI 2012, Fort Worth Texas, USA

12. *Lifetime measurements by Doppler methods at the Bucharest TANDEM accelerator*

C. Mihai, A. Pasternak, D. Bucurescu, D. Filipescu, S. Pascu, G. Cata-Danil, I. Cata-Danil, D. Deleanu, D. Ghita, T. Glodariu, N. Marginean, R. Marginean, A. Negret, T. Sava, L. Stroe, G. Suliman, I. Gheorghe, R. Lica, S. Toma, N. Zamfir, M. Ivascu
 2nd European Nuclear Physics Conference, 16-21 Sept. 2012, Bucharest, Romania

13. *Lifetime Measurements of the first excited $6+$ states in $N=80$ isotones, ^{138}Ce and ^{140}Nd*

T. Alharbi, P. H. Regan, P. J. R. Mason, Zs. Podolyak, M. R. Bunce, M. Nakhostin, S. Rice, J. Lintott, R. Britton, N. Alazemi, C. Townsley, E. Willson, W. Gelletly, N. Marginean, D. Filipescu, T. Glodariu, C. Mihai, A. Negret, T. Sava, R. Marginean, D. Ghita, D. Deleanu, D. Bucurescu, L. Stroe, A. M. Bruce, O. J. Roberts, V. Werner, G. Ilie, N. Cooper, M. Zherova, S. Kisyov, S. Lalkovski, S. Liddick, J. F. Smith, K. Mulholland
 4th Zakopane Conference on Nuclear Physics – Extremes of the Nuclear Landscape, 27 aug-2 sept 2012, Poland

14. *Low-lying isomeric state in ^{80}Ga from the beta decay of ^{80}Zn*

R. Lica, N. Marginean, D.G. Ghita, H. Mach, L.M. Fraile, A. Aprahamian, C. Bernards, J.A. Briz, B. Bucher, C. Chiara, Z. Dlouhy, I. Gheorghe, P. Ho, U. Koster, W. Kurcevic, R. Marginean, B. Olaizola, V. Pazyi, J.M. Regis, M. Rudigier, T. Sava, G. Simpson, M. Stanoiu, L. Stroe, W. Walters
 Nuclear Structure and Dynamics II 2012, Opatija, Croatia, DOI: 10.1063/1.4764211

15. *Measurements of sub-nanosecond level lifetimes in ^{67}Cu*

C.R. Nita, S. Bottoni, D. Bucurescu, N. Marginean, D. Pantelica, M. Avrigeanu, G. Bocchi, A. Bracco, Gh. Cata-Danil, G. Colo, D. Deleanu, D. Filipescu, D. Ghita, S. Leoni, T. Glodariu, C. Mihai, R. Marginean, A. Negret, T. Sava, L. Stroe, C.A. Ur, N.V. Zamfir, A. Bruce, P. Regan, Zs. Podolyak, P.

Mason, E. Wilson

2nd European Nuclear Physics Conference, 16-21 Sept. 2012, Bucharest, Romania

16. *Modernizations and developments of the tandem accelerators in IFIN-HH*

D.G. Ghiță , M.S. Dogaru, M.M. Gugiu, S. Dobrescu, C.I. Călinescu, Gh. Căta-Danil, M. Enăchescu, P. Ionescu, N. Mărginean, I. O. Mitu, D.V. Moșu, A. Olariu, S. Olariu, A. Pantelică, D. Pantelică, A. Petre, I.V. Popescu, B. Savu, T.B. Sava, C. A. Simion, C. Stan-Sion, M. Stătescu, N.V. Zamfir
2nd European Nuclear Physics Conference, 16-21 Sept. 2012, Bucharest, Romania

17. *NEW ACCELERATOR SYSTEMS FOR ADVANCED RESEARCH IN IFIN-HH*

D.G. Ghiță , M.S. Dogaru, M.M. Gugiu, S. Dobrescu, C.I. Călinescu, Gh. Căta-Danil, M. Enăchescu, P. Ionescu, N. Mărginean, I. O. Mitu, D.V. Moșu, A. Olariu, S. Olariu, A. Pantelică, D. Pantelică, A. Petre, I.V. Popescu, B. Savu, T.B. Sava, C. A. Simion, C. Stan-Sion, M. Stătescu, N.V. Zamfir
Balkan Physics Union Conference, Constanta, Romania

18. *NEW DEVELOPMENTS AT THE TANDEM ACCELERATORS LABORATORY AT IFIN-HH*

D.G. Ghiță, M.S. Dogaru, M.M. Gugiu, S. Dobrescu, C.I. Călinescu, Gh. Căta-Danil, M. Enăchescu, P. Ionescu, N. Mărginean, I. O. Mitu, D.V. Moșu, A. Pantelică, D. Pantelică, A. Petre, I.V. Popescu, B. Savu, T.B. Sava, C. A. Simion, C. Stan-Sion, M. Stătescu, N.V. Zamfir
Proceedings of HIAT 2012, Chicago, IL USA

19. *NEW EXPERIMENTAL OPPORTUNITIES FOR ADVANCED RESEARCH AT "HORIA HULUBEI" NATIONAL INSTITUTE FOR PHYSICS AND NUCLEAR ENGINEERING (IFIN-HH)*

D.G. Ghiță , M.S. Dogaru, M.M. Gugiu, S. Dobrescu, C.I. Călinescu, Gh. Căta-Danil, M. Enăchescu, P. Ionescu, N. Mărginean, I. O. Mitu, D.V. Moșu, A. Olariu, S. Olariu, A. Pantelică, D. Pantelică, A. Petre, I.V. Popescu, B. Savu, T.B. Sava, C. A. Simion, C. Stan-Sion, M. Stătescu, N.V. Zamfir
1st International Conference on Analytical Chemistry, UVT, Romania

20. *Present and future opportunities for gamma ray spectroscopy at the Bucharest Tandem Accelerator*

D. Filipescu, C. Mihai, N. Marginean, D. Bucurescu, D. Ghiță, N. Zamfir, M. Ivascu, G. Căta-Danil, D. Balabanski, P. Regan, T. Glodariu, R. Marginean, D. Deleanu, S. Pascu, A. Negret, G. Suliman, T. Sava, I. Căta-Danil, L. Stroe, Z. Podolyak, A. Bruce, P. Mason, S. Lalkovski, S. Kisyov, T. Alharbi, I. Gheorghe, R. Lica, S. Toma, C. Nita, C. A. Ur
2nd European Nuclear Physics Conference, 16-21 Sept. 2012, Bucharest, Romania

21. *structure of ^{81}Ga populated from the β - Decay of ^{81}Zn*

V. Pazyi, H. Mach, L. M. Fraile, A. Aprahamian, C. Bernards, J.A. Briz, B. Bucher, C. J. Chiara, Z. Dlouhy, D. Ghiță, I. Gheorghe, P. Hoff, U. Köster, W. Kurcewicz, R. Lica, N. Marginean, R. Marginean, B. Olaizola, J.M. Régis, M. Rudigier, J.M. Udías, T. Sava, G. Simpson, M. Stanoiu, L. Stroe, W. Walters
International Summer School in Nuclear Physics, 9-13 Sept 2012, La Rábida, Huelva, Spain

22. *Electromagnetic Transition Rate Measurements in the $N=80$ Isotone, ^{138}Ce*

T Alharbi, T Alharbi, P H Regan, N Marginean, Zs Podolyak, N Alkhomashi, A Algora, N Alazemi, A M Bruce, R Britton, M R Bunce, D Bucurescu, N Cooper, D Deleanu, D Filipescu, W Gelletly, D Ghiță, T Glodariu, G Ilie, S Kisyov, J Lintott, S Lalkovski, S Liddick, C Mihai, K Mulholland, R Marginean, A Negret, M Nakhostin, O J Roberts, S Rice, J F Smith, L Stroe, T Sava, C Townsley, E Wilson, V Werner, M Zhekova and N V Zamfir
Rutherford Centennial Conference on Nuclear Physics, University of Manchester, UK, 8-12 August 2011

23. *Fast-timing measurements in $^{95,96}\text{Mo}$*

S Kisyov, S Lalkovski, N Marginean, D Bucurescu, L Atanasova, D Balabanski, Gh Căta-Danil, I Căta-Danil, D Deleanu, P Detistov, D Filipescu, D Ghiță, T Glodariu, R Marginean, C Mihai, A Negret, S Pascu, T Sava, L Stroe, G Suliman, N V Zamfir and M Zhekova
IX International School on Nuclear Physics, Neutron Physics and Applications, Varna, Bulgaria, 19th - 25th of September 2011

24. *Half-life of the $I = 4$ Intruder State in ^{34}P Using $\text{LaBr}_3:\text{Ce}$ Fast Timing*

P J R Mason, T Alharbi, P H Regan, N Marginean, Zs Podolyak, N Alkhomashi, P C Bender, M Bowry, M Bostan, D Bucurescu, A M Bruce, G Căta-Danil, I Căta-Danil, R Chakrabarti, D Deleanu, P Detistov,

M N Erduran, D Filipescu, U Garg, T Glodariu, D Ghita, S S Ghugre, A Kusoglu, R Marginean, C Mihai, M Nakhostin, A Negret, S Pascu, C Rodriguez Triguero, T Sava, E C Simpson, A K Sinha, L Stroe, G Suliman and N V Zamfir
Rutherford Centennial Conference on Nuclear Physics, University of Manchester on 8-12 August 2011, UK

25. *Lifetime measurement in the $N = Z$ nucleus (44)Ti*

Michelagnoli C.; Ur C. A.; Farnes E.; Lenzi, S; Lunardi, S; Recchia, F; Marginean, N; Bucurescu, D; Cata-Danil, G; Deleanu, D; Filipescu, D; Ghita, D; Glodariu, T; Marginean, R; Mihai, C; Negret, A; Pascu, S; Sava, T; Stroe, L; Suliman, G.

ACTA PHYSICA POLONICA B Volume: 42 Issue: 3-4 Pages: 825-828 Published: 2011

26. *In-beam experiments for measuring sub-nanosecond lifetimes using fast LaBr₃: Ce detectors at the Bucharest FN Tandem accelerator*

D.G. Ghita, N. Marginean, D. Bucurescu, G. Cata-Danil, I. Cata-Danil, D. Deleanu, D. Filipescu, T. Glodariu, M. Ivascu, C. Mihai, R. Marginean, A. Negret, S. Pascu, T. Sava, L. Stroe, G. Suliman, N. V. Zamfir, D. Balabanski, L. Atanasova, P. Detistov, S. Lalkovski, G. Deyanova, K. A. Gladnishi, S. Kisyov, D. Radulov, J.M. Daugas, G. Georgiev

Zakopane Conference on Nuclear Physics, Zakopane, Poland, 30 August-7 September 2010

27. *Investigating the structure of 128I*

D. Deleanu, D. Bucurescu, Gh. Cata-Danil, I. Cata-Danil, D. Filipescu, D. Ghita, T. Glodariu, M. Ivascu, N. Marginean, R. Marginean, C. Mihai, A. Negret, S. Pascu, L. Stroe, R. Marginean, C. Mihai, A. Negret, S. Pascu, L. Stroe, T. Sava, N.V. Zamfir, Ts. Venkova, D. L. Balabanski

29-th INTERNATIONAL WORKSHOP ON NUCLEAR THEORY, IWNT29-2010, 20-26 JUNE 2010, RILA MOUNTAINS, BULGARIA

28. *Astrophysical S factor for alpha-capture on 115Sn*

D. Filipescu, I. Cata-Danil, M. Ivascu, D. Bucurescu, N.V. Zamfir, T. Glodariu, L. Stroe, C. Mihai, N. Marginean, G. Cata-Danil, D.G. Ghita, R. Marginean, G. Suliman, T. Sava, and S. Pascu

EPS European Nuclear Physics Conference 2009, Bochum, Germany

29. *Lifetime of the 42.8 keV isomeric state in the 64Ga nucleus*

V.M. Morozov, N.V. Morozova, T. Badica, D. Ghita, Gh. Cata-Danil, I.V. Popescu, D. Deleanu, S. Pascu, M. Petre

10th Intern. Balkan Workshop on Applied Physics, Constanta, Romania, July 6-8, 2009

30. *Measurement of the radioactivity 90Sr sample by using a single-crystal scintillation time spectrometer*

V.A. Morozov, N.V. Morozova, N.A. Lebedev, D.V. Filosofov, T. Badica, D. Ghita, I.V. Popescu, Gh. Cata-Danil, D. Deleanu

STIINTE APLICATE IN STUDIUL MEDIULUI INCONJURATOR SI MATERIALELOR, ICSTM, Universitatea Valahia Targoviste

31. *UPGRADE OF THE BUCHAREST FN TANDEM ACCELERATOR*

S. Dobrescu, I. Branzan, C. V. Craciun, G. Dumitru, C. Florea, D. Ghita, G. Ion, G. Mihon, D. Moisa, D. V. Mosu, G. Naghel, C. Paun, S. Papureanu and T. Sava

11th International Conference on HEAVY ION ACCELERATOR TECHNOLOGY

32. *Astrophysical S factor for alpha-capture on Sn-117*

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

Conferinta Nationala de Fizica 2008

33. *Elemental analysis of ancient tetradrahmae coins from Tasos*

B. Constantinescu, V. Cojocaru, R. Bugoi, T. Badica, I.V. Popescu, A. Sasianu, D. Deleanu, D.G. Ghita
Fourth National Conf. on Applied Physics, Galati, sept. 2008

34. *Gamma-ray spectroscopy at the Bucharest Tandem accelerator*

Dan Gabriel Ghiță

European Gammapool Workshop, Paris

35. *Selected properties of nuclei at the magic shell closures from the studies of E1, M1 and E2 transition rates*

H. Mach, A.M. Baluyut, D. Smith, E. Ruchowska, U. Koster, L.M. Fraile, H. Penttilä, J. Aysto, R. Boutami, H. Bradley, N. Braun, V.V. Elomaa, T. Eronen, C. Fransen, D. G. Ghiță, J. Hakala, M. Hauth, A. Jokinen, J. Jolie, P. Karvonen, T. Kessler, W. Kurcewicz, H. Lehmann, I.D. Moore, J. Nyberg, S. Rahaman, J. Rissanen, J. Ronkainen, P. Ronkanen, A. Saastamoinen, T. Sonoda, O. Steczkiewicz, V. Ugryumov, C. Weber
13th International Symposium on Capture Gamma-Ray Spectroscopy and Related Topics Univ Cologne, Inst Nucl Phys, Cologne, GERMANY, AUG 25-29, 2008

Projects Participations in the following research projects:

PN1/CEEX 05-D11-50
PN1/CEEX 05-D11-30
PN1/CEEX 06-11-3
PN1/CORINT 79
PN1/CORINT 9
PN2/PARTENERIAT 71-053
PN2/PARTENERIAT 71-042
PN2/IDEI 180
PN2/IDEI 181PN2/IDEI 48PN2/CAPACITATI 67/CPI