

List of Reports, Preprints, Seminars, International Conferences and Invited Talks

1. Nucleon-nucleon correlations in exotic nuclei
A. Petrovici
SARFEN Meeting, Trento, Italy, March 26-27, 2012
2. High counting rate, differential, strip readout, multi-gap, timing RPC
M. Petrovici, M. Petris, D. Bartos, G. Caragheorgheopol, F. Constantin, L. Radulescu, V. Simion, I. Deppner, K. Doroud, N. Herrmann, P. Loizeau, M.C.S. Williams
XI Workshop on Resistive Plate Chambers and Related Detectors, 5-10 February, 2012, Frascati, Italy
3. ALICE detector upgrades
Thomas Peitzmann for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124128
4. ALICE results from the first Pb–Pb run at the CERN LHC
J Schukraft for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124003
5. Anisotropic flow at the LHC measured with the ALICE detector
Raimond Snellings, for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124013
6. Anisotropic flow of charged particles at $\sqrt{s_{NN}}=2.76$ TeV measured with the ALICE detector
Ante Bilandzic for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124052
7. Bulk properties of Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV measured by ALICE
Alberica Toia for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124007
8. Charge-dependent azimuthal correlations in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
Panos Christakoglou for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124165
9. Charged particle directed flow in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV measured with ALICE at the LHC
Ilya Selyuzhenkov for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, 124167
10. Charged particle production at large transverse momentum in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV measured with ALICE at the LHC
Jacek Otwinowski for the **ALICE Collaboration**

- QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124112
11. Charged-particle multiplicity and transverse energy in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with ALICE
Constantin Loizides for the **ALICE collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011
 12. Cross-section normalization in proton–proton collisions at $\sqrt{s}=2.76$ and 7 TeV, with ALICE at the LHC
Ken Oyama for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124131
 13. D meson nuclear modification factors in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ Te, measured with the ALICE detector
A Rossi for the **ALICE Collaboration**
Qm-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124139
 14. Diffraction dissociation in proton–proton collisions at $\sqrt{s}=0.9, 2.76$ and 7 TeV with ALICE at the LHC
M G Poghosyan for the **ALICE collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124044
 15. Elliptic and triangular flow of identified particles measured with the ALICE detector at the LHC
Mikołaj Krzewicki for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124047
 16. Elliptic flow at high transverse momentum in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ALICE experiment
A.Dobrin for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124170
 17. Event-by-event mean p_T fluctuations in pp and Pb–Pb collisions measured by the ALICE experiment at the LHC
Stefan Heckel for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124095
 18. Hadron correlations in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with ALICE
Jan Fiete Grosse-Oetringhaus for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124028
 19. Heavy flavour production in the semi-muonic channel at forward rapidity in pp collisions at $\sqrt{s}=7$ TeV and Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with ALICE
X Zhang for the **ALICE Collaboration**

- QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124067
20. Heavy-flavour production in Pb–Pb collisions at the LHC, measured with the ALICE detector
Andrea Dainese for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124032
 21. High pT suppression of Λ and K_0 s in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE
Simone Schuchmann for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124080
 22. Identified particles in pp and Pb–Pb collisions at LHC energies with the ALICE detector
M Floris for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124025
 23. Investigation of charm and beauty production via semileptonic decays of heavy-flavour hadrons in pp at 7 TeV and Pb–Pb at 2.76 TeV with ALICE,
S Masciocchi for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124069
 24. J/ψ production at forward rapidity in Pb–Pb collisions at TeV, measured $\sqrt{s_{NN}}=2.76$ TeV with the ALICE detector
P Pillot for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124111
 25. Jet reconstruction and jet background classification with the ALICE experiment in Pb–Pb collisions at the LHC
C Klein-Bösing for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124088
 26. K_0 S and Λ production in Pb–Pb collisions with the ALICE experiment
Yuri Belikov for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124078
 27. K_0 s K_0 s correlations in 7 TeV pp collisions from the ALICE experiment at the LHC
T J Humanic for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124058
 28. Measurement of π , K, p transverse momentum spectra with ALICE in proton–proton collisions at $\sqrt{s} = 0.9$ and 7 TeV
Marek Chojnacki for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011,

124074

29. Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ and 7 TeV with ALICE
Roberta Arnaldi for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, 124106
30. Measurement of the electromagnetic dissociation cross section of Pb nuclei at $\sqrt{s_{NN}} = 2.76$ TeV
C Oppedisano for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, 124174
31. Measurement of the nuclear modification factor of electrons from heavy-flavour decays at mid-rapidity in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE
Yvonne Pachmayer for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124186
32. Multi-strange particle measurements in 7 TeV proton–proton and 2.76 TeV Pb–Pb collisions with the ALICE experiment at the LHC
D D Chinellato for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124079
33. Particle identification in the ALICE experiment
Alexander Kalweit for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124073
34. Particle production at large transverse momentum with ALICE
Harald Appelshäuser for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124014
35. Production of neutral pions and eta-mesons in pp collisions measured with ALICE
Klaus Reygers for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124076
36. Production of nuclei and antinuclei in pp and Pb–Pb collisions with ALICE at the LHC
Natasha Sharma for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124189
37. Quarkonium production measurements with the ALICE detector at the LHC
Ginés Martínez García for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124034
38. Resonance measurements in pp collisions with the ALICE detector and prospects for Pb–Pb
A Pulvirenti for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124077

39. Suppression of neutral pion production at large transverse momentum measured with the ALICE experiment in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$
G Conesa Balbastre for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 12411
40. Two-pion Bose–Einstein correlations in Pb–Pb collisions at 2.76 TeV with ALICE
J Mercado for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124056
41. Untriggered di-hadron correlations in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$ from ALICE
Anthony R Timmins for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124093
42. Vector meson production in pp collisions at $\sqrt{s}=7\text{ TeV}$, measured with the ALICE detector
A De Falco for the **ALICE Collaboration**
QM-2011, Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124083
43. Beyond mean-field description of exotic structure and decay of proton-rich nuclei in A~70 region
A. Petrovici
invited talk at EURISOL - 2011, Valencia, Spain, Feb., 2011
44. Variational approach to isospin symmetry breaking in medium mass nuclei
A. Petrovici
invited talk at ESNT - 2011, Saclay, April, 2011
45. ALICE: Status and first results
ALICE Collaboration
Cracow Epiphany Conference on The First Year of the LHC, Cracow, Poland, 10-12 Jan 2011, Acta Phys.Polon.B42:1465-1474,2011
46. Central Meson Production in ALICE
ALICE Collaboration
14th International Conference on Hadron Spectroscopy: Hadron 2011, Kunstlerhaus, Munich, Germany, 13-17 Jun 2011, arXiv:1110.3693 [hep-ex]
47. First ALICE results from heavy-ion collisions at the LHC
ALICE Collaboration
46th Rencontres de Moriond on QCD and High Energy Interactions, La Thuile, Aosta Valley, Italy, 20-27 Mar 2011, arXiv:1106.1341 [nucl-ex]
48. First year results from the ALICE experiment
ALICE Collaboration
Kruger 2010: Workshop on Discovery Physics at the LHC, Kruger National Park, Mpumalanga, South Africa, 5-10 Dec 2010, PoS KRUGER2010:007,2011
49. Heavy flavour measurements in the ALICE experiment at the LHC

ALICE Collaboration
PoS BEAUTY2011:007,2011

50. Heavy flavour physics with the ALICE detector at the CERN-LHC
ALICE Collaboration
27th Winter Workshop on Nuclear Dynamics (WWND 2011), Winter Park, Colorado, USA, 6-13 Feb 2011, J.Phys.Conf.Ser.316:012025,2011
51. High- p_T results from ALICE
ALICE Collaboration
Hadron Collider Physics Symposium 2011 (HCP 2011), Paris, France, 14-18 Nov 2011, arXiv:1201.5205 [nucl-ex]
52. Measurement of heavy-favour production in pp and Pb-Pb collisions at the LHC with ALICE
ALICE Collaboration
6th International Workshop on High-pT physics at LHC 2011 (LHC2011), Utrecht, The Netherlands, 4-7 Apr 2011, arXiv:1201.3516 [nucl-ex]
53. Physics with the ALICE Transition Radiation Detector
ALICE Collaboration
TRDs for the third Millennium: 4th Workshop on Advanced Transition Radiation Detectors for Accelerator and Space Applications (TRD2011), Bari, Italy, 14-16 Sep 2011, arXiv:1112.2098
54. Search for collective expansion in p p collisions at the LHC
ALICE Collaboration
Hot Quarks 2010: Workshop For Young Scientists On The Physics Of Ultrarelativistic Nucleus-Nucleus Collisions 21-26 Jun 2010, La Londe les Maures, French Riviera, France, J.Phys.Conf.Ser.270:012046,2011
55. Transverse momentum distributions of pions,kaons and protons versus multiplicity & event shape in p+p collisons at 7 TeV
C. Andrei, I. Berceanu, A. Bercuci, F. Noferini, A. Herghelegiu, M. Petrovici, A. Pop
prezentare la Alice Week, aprilie 2011
56. Transverse sphericity of charged particles in minimum bias p-p collision in ALICE at the LHC
ALICE Collaboration
PHYSICS AT LHC 2011, Perugia, Italy, 6-11 Jun 2011, arXiv:1110.2278 [hep-ex]
57. Two-pion Bose-Einstein correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV measured with the ALICE experiment
ALICE Collaboration
International Workshop on Early Physics with heavy-Ion Collisions at LHC (EPIC@LHC), Bari, Italy, 6-8 Jul 2011, arXiv:1109.5366 [nucl-ex]
58. N/Z effects on $^{40,48}\text{Ca} + ^{40,48}\text{Ca}$ reactions at 25 MeV/c
L. Acosta, C. Agodi, F. Armorini, A. Anzalone, L. Auditore, **I. Berceanu**, L. Calabretta, C. Cali, G. Cardella, S. Cavallaro, M. B. Chatterjee, L. Cosentino, M. D'Andrea, B. Diana, A. Di Stefano, E. De Filippo, N. Giudice, L. Grassi, A. Grimaldi, N. Guarodne, E. La Guidara, F. Ferrera, E. Furia, G. Lanzalone, P. Litrico, I. Lombardo, D. Loria, S. Marino, A. Maugeri,

T. Minniti, A. Pagano, M. Papa, A. Pappalardo, S. Passarello, G. Passaro, S. Pirrone, G. Politi, F. Porto, S. Pulvirenti, C. Rapicavoli, D. Rifuggiato, G. Rizza, F. Rizzo, A. Rovelli, P. Russotto, G. Sacca, S. Salamone, S. Santoro, F. Sarta, A. Seminara, A. Trifiro, M. Trimarchi, G. Verde, M. Vigilante
Int. Workshop on Multifragmentation and Related Topics, IWM2011, 2-5 Nov 2011, GANIL, Caen, France, <http://pro.ganil-spiral2.eu/events/cw/iwm/2011/presentations/lombardo-iwm2011>

59. Use of fragmentation beams at LNS with Chimera detector
L. Acosta, C. Agodi, A. Amato, F. Armorini, A. Anzalone, L. Auditore, **I. Berceanu**, M. Buscemi, G. Cardella, S. Cavallaro, M. B. Chatterjee, E. De Filippo, G. Giuliani, E. Geraci, L. Grassi, J. Han, E. La Guidara, G. Lanzalone, I. Lombardo, D. Loria, C. Maiolino, A. Pagano, M. Papa, S. Pirrone, G. Politi, F. Porto, E. Rosato, F. Rizzo, P. Russotto, A. Trifiro, M. Trimarchi, G. Verde, M. Vigilante
Int. Workshop on Multifragmentation and Related Topics, IWM2011, 2-5 Nov 2011, GANIL, Caen, France, <http://pro.ganil-spiral2.eu/events/cw/iwm/2011/presentations/cardella-iwm2011>
60. Beam test 2010 and 2011 related status update from Bucharest
M. Petrovici, V. Aprodu, D. Bartos, I. Berceanu, A. Bercuci, V. Catanescu, F. Constantin, G. Caragheorghopol, M. Petris, L. Prodan, A. Radu, L. Radulescu, V. Simion, M. Tarzila, P. Zaharia, C. Bergmann, D. Emschermann, J. P. Wessels
18th CBM Meeting, Beijing, China, September 26-30, 2011,
<https://indico.gsi.de/getFile.py/access?contribId=1&sessionId=10&resId=0&materialId=slides&confId=1119>
61. CBM-TRD Bucharest-Muenster prototypes - in-beam test results
M. Petris, D. Bartos, I. Berceanu, Gh. Caragheorghopol, V. Catanescu, F. Constantin, M. Petris, V. Simion
17th CBM Collaboration Meeting, April 4 - 8, 2011, Dresden, Germany,
<https://indico.gsi.de/getFile.py/access?contribId=55&sessionId=11&resId=0&materialId=slides&confId=1118>
62. Proposal for Inner wall Layout
M. Petrovici, D. Bartos, F. Constantin, M. Petris, L. Radulescu, V. Simion
17th CBM Collaboration Meeting, April 4 - 8, 2011, Dresden, Germany,
<https://indico.gsi.de/getFile.py/access?contribId=54&sessionId=11&resId=0&materialId=slides&confId=1118>
63. Status of high rate glass MRPC with strip readout
M. Petris, D. Bartos, G. Caragheorghopol, F. Constantin, M. Petrovici, L. Radulescu, V. Simion, V. Aprodu, V. Duta, L. Prodan, A. Radu, P. Zaharia NIPNE – Bucharest I.
Deppner, N. Herrmann, P. Loizeau Heidelberg University K. Doroud, M. C. S. Williams
18th CBM Meeting, Beijing, China, September 26-30, 2011,
<https://indico.gsi.de/getFile.py/access?contribId=50&sessionId=6&resId=0&materialId=slides&confId=1119>
64. A tentative architecture of the most inner region of CBM-TRD
M. Petrovici, D. Bartos, Gh. Caragheorghopol, V. Catanescu, F. Constantin, M. Petris, L. Radulescu, V. Simion,
17th CBM Collaboration Meeting, April 4 - 8, 2011, Dresden, Germany

65. Update on CBM-TRD prototypes tests @ PS-CERN Nov. 2010 and preparation for Oct. 2011
M.Petrovici, V.Aprodu, D. Bartos, I.Berceanu,, A.Bercuci, V. Catanescu, F.Constantin, G.Caragheorghopol, M.Petris, L.Prodan, A.Radu, L.Radulescu, V.Simion, M.Tarzila, P.Zaharia,C.Bergmann, D.Emschermann, J.P.Wessels
 18th CBM Meeting, Beijing 2011
66. TECHNOLOGICAL TRANSFER IN THE NUCLEAR FIELD, A STUDY BASED ON EUROPEAN MODEL
Laura RADULESCU, Margarit PAVELESCU
 Workshop-ul International Balcanic de Fizica Aplicata, Constanta 6-8 Iulie, 2011
67. Collective phenomena in p + p collision @ 7 TeV
C. Andrei, I. Berceanu, A. Bercuci, A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua
 ALICE WEEK, 3 November 2010 - 12 November 2010, PWG2, CERN
<http://indico.cern.ch/getFile.py/access?contribId=7&resId=0&materialId=slides&confId=111211>
68. High counting rate, two-dimension position sensitive TRD prototypes, construction and preliminary tests using new fast analog signal processor
M. Petris et al.
 15th CBM Collaboration Meeting, April 12 - 16 , 2010, GSI, Darmstadt.
<https://www.gsi.de/documents/DOC-2010-Apr-140-1.pdf>
69. High granularity, high counting rate, differential readout timing MRPC status
M. Petris et al.
 16th CBM Collaboration Meeting, September 27 - October 1 , 2010, Mamaia, Romania
<https://indico.gsi.de/contributionDisplay.py?contribId=95&sessionId=32&confId=1049>
70. Highly parallel algorithm for high p(T) physics at FAIR-CBM
 A. Fulop, G. Vesztergombi for the **CBM Collaboration**
 Journal of Physics: Conference Series, vol. 219 (2010) 022032
71. Multiplicity measurements in proton-proton collisions at $\sqrt{s} = 0.9$ and 2.36 TeV with ALICE
 By **ALICE Collaboration** (Jan Fiete Grosse-Oetringhaus for the collaboration)
 To appear in the proceedings of 45th Rencontres de Moriond: QCD and High Energy Interactions, La Thuile, Aosta Valley, Italy, 13-20 Mar 2010. e-Print: arXiv:1006.4274 [hep-ex]
72. Results on charged particle production from the ALICE experiment at LHC
 Silvia Masciocchi for the **ALICE Collaboration**
 XVIII International Workshop on Deep-Inelastic Scattering and Related Subjects April 19 -23, 2010, Convitto della Calza, Firenze, Italy
73. Ring recognition and electron identification in the RICH detector of the CBM experiment at FAIR
 S. Lebedev, C. Höhne, G. Ososkov for the **CBM collaboration**
 Journal of Physics: Conference Series, vol. 219 (2010) 032015
74. Status of the RPC prototypes and In-beam tests preparations at NIPNE – Bucharest
M. Petrovici et al.

15th CBM Collaboration Meeting, April 12 - 16 , 2010, GSI, Darmstadt.
<https://www.gsi.de/documents/DOC-2010-Apr-132-1.pdf>

75. Status of two-dimensions position sensitive TRD prototypes
M. Petris et al.
16th CBM Collaboration Meeting, September 27 - October 1 , 2010, Mamaia, Romania,
<https://indico.gsi.de/contributionDisplay.py?contribId=33&sessionId=33&confId=1049>
76. Studies for π^\pm , K^\pm , p & p @ 900 GeV p + p collision
C. Andrei, **I. Berceanu**, A. Bercuci, A. Herghelegiu, **M. Petrovici**, **A. Pop**, C. Schiaua
ALICE WEEK, 22 March 2010 - 26 March 2010, PWG2, CERN
<http://indico.cern.ch/getFile.py/access?contribId=9&resId=0&materialId=slides&confId=8830>
77. Toward a high granularity, high counting rate differential readout RPC
D. Bartos, **G. Caragheorghopol**, **M. Petris**, **M. Petrovici**, **V. Simion**, I. Deppner, K. Doroud, N. Herrmann, M. Kiss, P. Loizeau, Y. Zhang, M.C.S. Williams
X Workshop on Resistive Plate Chambers and Related Detectors, GSI Darmstadt, February 9 - 12, 2010. <http://www-aix.gsi.de/conferences/rpc2010/present/701.pdf>
78. Track reconstruction algorithms for the CBM experiment at FAIR
Andrey Lebedev, Claudia Höhne, Ivan Kisel, Gennady Ososkov for the **CBM collaboration**
Journal of Physics: Conference Series, vol. 219 (2010) 032048
79. What did we learn from dissipative processes in light ion collisions?
Mihai Petrovici, **Ionela Berceanu**, **Amila Pop**, **Victor Simion**
Giovanni Raciti - International Memorial Meeting, Catania - Italia, 1 Februarie 2010,
<http://agenda.ct.infn.it/getFile.py/access?resId=0&materialId=poster&confId=258>
80. WP18: FutureGas - Detector and electronics development for large-area low-mass self-triggered gaseous detectors
Mihai Petrovici
Hadron Physics 2 - Collaboration Committee Meeting, Paris, 16-17 Septembrie 2010,
<http://www.hadronphysics2.eu/collaboration-committee-meeting/agenda.html>
81. Studies for π^\pm , K^\pm , p & p @ 900 GeV p + p collision
C. Andrei, **I. Berceanu**, **A. Bercuci**, **A. Herghelegiu**, **M. Petrovici**, **A. Pop**, **C. Schiaua**
ALICE PHYSICS WEEK, 17 May 2010 - 21 May 2010, Paris
<http://indico.cern.ch/getFile.py/access?contribId=9&resId=0&materialId=slides&confId=93788>
82. Azimuthal isotropic expansion in “highly central” collisions
C. Andrei, **A. Herghelegiu**
Berkeley School on Collective Dynamics in High Energy Collisions, June 7-11,
http://tbs2010.lbl.gov/Documents/TBS%20Talks/CAndrei_Berkeley_2010.pdf 2010
83. Studies on mean p_t as a function of mass for pions, kaons and protons in pp collisions at 900 GeV
C. Andrei, **I. Berceanu**, **A. Bercuci**, **A. Herghelegiu**, **M. Petrovici**, **A. Pop**, **C. Schiaua**
ALICE WEEK, 28 June 2010 - 02 July 2010, PWG2, CERN,
<http://indico.cern.ch/getFile.py/access?contribId=7&resId=0&materialId=slides&confId=99112>

84. Tests on TRD Front End Prototype Chip
A.Caragheorghopol, D.Bartos, V.Catanescu.
CBM FEE / DAQ Workshop, Feb.22nd-23rd 2010, GSI
85. Emission of light clusters in nuclear reactions at 25 MeV/nucleon with different N/Z of entrance channel
EXOCHIM Collaboration, **I. Berceanu, A. Pop**
State of Art in Nuclear Cluster Physics – SOTANCP2, Bruxelles, 29/05/2010, Proceedings to be published in Int. Jour. Mod. Phys. E
86. Dependence of Flow Observables in Heavy-Ion Collisions on the Isospin Dependent EoS of Nuclear Matter
M.D. Cozma and M. Petrovici
HiDeSymE ESF Workshop
87. In-medium properties of vector mesons
M.D Cozma, E. Santini, C. Fuchs, B. Martemyanov, and M. Krivoruchenko
31st Mazurian Lakes Conference on Nuclear Physics
88. Studies for π^\pm , K^\pm , p & p @ 900 GeV p + p collision
C. Andrei, I. Berceanu, A. Bercuci, A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua
29 June 2010 – ALICE Week, CERN-Geneva,
<http://indico.cern.ch/getFile.py/access?contribId=7&resId=0&materialId=slides&confId=99112>
89. NIHAM GRID Site
C. Andrei, M. Petrovici, A. Pop, C. Schiaua
2nd Annual Meeting of the Romanian Tier 2 Federation
90. High counting rate, two-dimension position sensitive TRD prototypes, construction and preliminary tests using new fast analog signal processor
M. Petris et al.
16th CBM Collaboration Meeting, September 27 – October 1, 2010, Mamaia, Romania
<https://indico.gsi.de/contributionDisplay.py?contribId=95&sessionId=32&confId=1049>
91. Status of the RPC prototypes & In-beam tests preparations @ NIPNE – Bucharest
M. Petrovici et al.
<https://www.gsi.de/doce/documents/DOC-2010-Apr-132-1.pdf>
92. The FOPI Experiment at GSI-SIS (pdf:transparencies)
O.N. Hartmann (for the **FOPI Collaboration**)
Presented at the 60th Annual Meeting of the Austrian Physical Society; University Salzburg, Austria, september 10th, 2010
93. Collective Phenomena in Heavy Ion Collisions
M. Petrovici and A. Pop
European Nuclear Physics Conference, 16-20 March 2009, Bochum, Germany,
arXiv:0904.3666v1/nucl-ex
94. Development of a transition radiation detector for a high counting rate environment
M.Petris et al.

EuNPC + DPG Spring meeting, Bochum, March 16-20, 2009,
<https://www.gsi.de/documents/DOC-2009-Mar-196-1.pdf>

95. Dynamical properties of incomplete fusion events at 25 MeV/A in $^{40}\text{Ca}+^{40,48}\text{Ca},^{46}\text{Ti}$ at $E/A=25\text{MeV}$
M. Papa for Exochim Collaboration, (members of EXOCHIM collab. from DFH: **I. Berceanu, A. Pop, M. Petrovici**), Catania, Italy,
<http://agenda.ct.infn.it/contributionDisplay.py?contribId=30&sessionId=18&confId=128>
96. Reaction dynamics and "hierarchy" effects from light particles
E. De Filippo for Exochim Collaboration, (members of EXOCHIM collab. from DFH: **I. Berceanu, A. Pop, M. Petrovici**)
International Workshop on Multifragmentation and Related Topics, 4 – 7 Novembre, 2009,
<http://agenda.ct.infn.it/getFile.py/access?contribId=22&sessionId=24&resId=0&materialId=slides&confId=128> Catania, Italy
97. Beyond mean-field approach to shape coexistence phenomena in the $A=60-90$ region
A. Petrovici
talk at the ISOLDE Workshop and Users meeting 2009, CERN-Geneva, Switzerland, 18-20 November 2009,
online at: <http://indico.cern.ch/contributionDisplay.py?contribId=3&sessionId=6&confId=67060>
98. Beyond mean-field approach to exotic nuclear structure and decays
A. Petrovici
seminar given at INFN-LNL, Legnaro, Italy, 03 September 2009.
99. Exotic structure and decay relevant for nuclear astrophysics
A. Petrovici
invited talk at the 3rd International Conference on Collective Motion in Nuclei under EXtreme Conditions (COMEX 3), Mission Point Resort on Mackinac Island in Michigan, United States, June 2-5, 2009
100. Variational approach to exotic nuclear decays
A. Petrovici
invited talk at the International Workshop FIDIPRO-EFES, Future Prospects of Nuclear Physics, Saariselka, Finland, April 20-24, 2009
101. Azimuthal isotropic expansion in highly central collisions
C. Andrei, I. Berceanu, A. Hergheliegiu, M. Petrovici, A. Pop, C. Schiaua
ALICE, Physics Working Group 2: Soft Physics, CERN, Geneva, Tuesday 20 October 2009
102. Studiul detaliat al expansiunii colective in ciocnirile ultracentrale Pb+Pb folosind aranjamentul experimental ALICE
C. Andrei
Scoala Doctorala de Fizica, Facultatea de Fizica, Bucuresti, September, 2009
103. Analog FEE for High Counting Rate Transition Radiation Detector
V.Catanescu, D.Bartos, G.Caragheorgheopol
Deutsche Physikalische Gesellschaft, Bochum, March 18, 2009
104. Layout and first test results of new TRD prototype

- NIPNE-Bucharest: **D.Bartos, I.Berceanu, V.Catanescu, A.Herghelegiu, M.Petris, M.Petrovici, V.Simion, A.Radu** University of Munster:C.Bergman,M.Klein-Bosing,A.Wilk.J.P.Wessels.
13th CBM Collaboration Meeting, March 09 - 13, 2009, GSI Darmstadt, Germany,
<https://www.gsi.de/documents/DOC-2009-Mar-93-1.pdf>
105. Layout and radioactive source test results of the first double sided, split pad TRD prototype
NIPNE-Bucharest:
V.Aprodu, D.Bartos, G.Caragheorgheopol, V.Catanescu, A.Herghelegiu, M. Petris, M.Petrovici, L.Prodan, A.Radu, V.Simion.
University of Munster:C.Bergmann,M.Klein-Bosing,J.P.Wessels,A.Wilk.
14th CBM Collaboration Meeting, October 6 - 9 , 2009, Split, Croatia,
<https://www.gsi.de/documents/DOC-2009-Oct-207-1.pdf>
106. Preliminary Results of TRD Front-end Prototype Chip
G.Caragheorgheopol, D.Bartos, V.Catanescu
14-th Collaboration Meeting, Split, Croatia, Oct. 6-9, 2009,
<https://www.gsi.de/documents/FOLDER-9871255142704.html>
107. Status differential strip RPC's
NIPNE-Bucharest:
D.Bartos, G.Caragheorgheopol, M. Petris, M.Petrovici, V.Simion. FZD-Dresden
Rosendorf: D.Stach, F.Dohrmann, R.Kotte, L.Naumann, J.Wunstfeld. GSI-
Darmstadt:K.Hildenbrand. CERN-Geneva:C.J.Williams.
13th CBM Collaboration Meeting, March 09 - 13, 2009, GSI Darmstadt, Germany,
<https://www.gsi.de/documents/DOC-2009-Mar-72-1.pdf>
108. Status of Multigap, Symmetric, Strip readout, Differential architecture RPC prototypes
M. Petris, D.Bartos....
CBM-Hadron Meeting, July 13 2009, GSI-Darmstadt
109. Toward a high granularity, high counting rate differential read-out RPC
NIPNE-Bucharest: **D.Bartos, G.Caragheorgheopol, M.Petris, V.Simion.**
Uni Heidelberg:I.Deppner,N.Hermann,M.Kiss,P.Loizeau,Y.Zhang. CERN-
Geneva:C.J.Williams
14th CBM Collaboration Meeting, October 6 - 9 , 2009, Split, Croatia,
<https://www.gsi.de/documents/DOC-2009-Oct-182-1.pdf>
110. Azimuthal isotropic expansion in highly central collisions
C. Andrei, I. Berceanu, A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua
ALICE WEEK, 19 October 2009 - 23 October 2009, PWG2,
<http://indico.cern.ch/materialDisplay.py?contribId=12&materialId=slides&confId=70834>
111. Isospin dependence of physical observables in Incomplete Fusion reactions at 25 MeV/A
I.Lombardo, C.Agodi, R.Alba, F.Amorini, A.Anzalone, **I.Berceanu**, G.Cardella,
S.Cavallaro, M.B.Chatterjee, R.Coniglione, E.DeFilippo, A.DiPietro, P.Figuera, E.Geraci,
G.Giuliani, L.Grassi, A.Grzeszczuk , E.LaGuidara, .Lanzalone, N.LeNeindre, C.Maiolino,
A.Pagano, M.Papa, S.Pirrone, G.Politi, **A.Pop**, F.Porto, F.Rizzo, P.Russotto, D.Santonocito,
P.Sapienza, G.Verde.
The 10th International Conference on Nucleus-Nucleus collisions, AUGUST 16-21, 2009,
BEIJING, CHINA

112. Isospin Effects in Heavy-Ion Collisions: Some Results From CHIMERA Experiments At LNS And Perspectives With Radioactive Beams
G.Cardella, F.Amorini, A.Anzalone, N.Arena, L.Auditore, R.Barnà, A.Benisz, **I.Berceanu**, M.B.Chatterjee, S.Cavallaro, E.De Filippo,U.Emanuele, W.Gawlikowicz, E. Geraci, L.Grassi, G.Giuliani, A.Grzeszczuk, P.Guazzoni, S.Kowalski, E.La Guidara, G.Lanzalone, I.Lombardo, S.Lo Nigro, D.Loria, C.Maiolino, N.G.Nicolis, A.Pagano, M.Papa, I.Pawelczak, **M.Petrovici**, S.Pirrone, R.Planeta, G.Politi, **A.Pop**, F.Porto, F.Previdi, M.Quinl, F.Rizzo, E.Rosato, P.Russotto, W. U.Schröder, I.Skwira-Chalot, K.Siwiek-Wilczynska, K.Schmidt, A.Sochocka, L.Swidorski, A.Trifirò, M.Trimarchi, J.Töke, G.Verde, M.Vigilante, J.Wilczynski, L.Zetta and W.Zipper
6th Japan-Italy Symposium on Heavy-Ion Physics, Tokai in Ibaraki, Japan, November 11-15, 2008, AIP Conf. Proc. Issue May 4, 2009 Volume 1120, pp. 38-43 ed. S. C. Jeong, H.Miyatake, Y. Utsumo, T. Motobayashi, and A. Bracco, 978-0-7354-0655-1
113. Isospin Effects In Projectile-like Dynamical Fission For Sn-112,Sn-124+Ni-58,Ni-64 Reactions At 35 AmeV
Russotto P., De Filippo E, Pagano A., Piasecki E., Amorini F., Anzalone A., Auditore L., Baran V., **Berceanu I.**, Blicharska J., Borderie B., Bougault R., Bruno M., Brzychczyk J., Cardella G., Cavallaro S., Chatterjee M. B., Chbihi A., Colonna M., D'Agostino M., Dayras R., Di Toro M., Frankland J., Galichet E., Gawlikowicz W., Geraci E., Giustolisi F., Grzeszczuk A., Guazzoni P., Guinet D., Kowalski S., La Guidara E., Lanzalone G., Lanzano G., Le Neindre N., Maiolino C., Majka Z., **Petrovici M.**, Pirrone S., Planeta R., Politi G., **Pop A.**, Porto F., Rivet M. F., Rosato E., Rizzo F., Schmidt K., Siwiek-Wilczynska K., Skwira-Chalot I., Sochocka A., Swiderski L., Trifiro A., Trimarchi M., Vigilante M., Wieleczko J.P., Wilczynski J., Zetta L., Zipper W
Conference Information: 4th International Workshop on Nuclear Fission and Fission-Product Spectroscopy, MAY 13-16, 2009 Cadarache, FRANCE Source: 4TH INTERNATIONAL WORKSHOP ON NUCLEAR FISSION AND FISSION-PRODUCT SPECTROSCOPY Book Series: AIP Conference Proceedings Volume: 1175 Pages: 389-392 Published: 2009
114. Improved formalism for superallowed Fermi beta decay between analogs and half-lives of rp-process waiting point $A \approx 70$ nuclei,
A. Petrovici, talk
ISOLDE Workshop and Users meeting 2008/2009, CERN, 17-19 november 2008
115. Analog Chip for High Counting Rate Transition Radiation Detector
V.Catanescu
14-th Collaboration Meeting, Split, Croatia, Oct. 6-9, 2009,
<https://www.gsi.de/documents/FOLDER-9871255142704.html>
116. Development of a transition radiation detector for a high counting rate environment
M. Petris, D.Bartos, I.Berceanu, V.Catanescu, A.Herghelegiu, C.Magureanu, D.Moisa, **M.Petrovici, V.Simion**, P.Dima, **A.Radu**, D.Moisa, M.Klein-Bosing, A.Wilk, J.P.Wessels, A.Andronic, C.Garabatos, R.Simon, J.Hehner, F.Uhlig
DPG Spring Meeting + European Nuclear Physics Conference (EuNPC), March 16 - 20, 2009, Bochum, Germany
;<https://www.gsi.de/documents/DOC-2009-Mar-196-1.pdf>
117. Event-by-event Particle Yield Ratio Fluctuations in the CBM and NA49 Experiments
CBM Collaboration and **Na49 Collaboration** (D. Kresan for the collaboration)
Proceedings of 5th International Workshop on Critical Point and Onset of Deconfinement

(CPOD), Brookhaven, Upton, New York, 8-12 Jun 2009. e-Print: arXiv:0908.2875 [nucl-ex], CBM Collaboration:
http://www.gsi.de/fair/experiments/CBM/Collaboration/CollaborationN_e.html

118. Facility and Technology for Vacuum Draying and Thermal Polimerization of the Turbo Generators Stator Bars Insulation (INTEPOL)
Alice Mateescu, Gheorghe Mateescu, Cornel Samoila, Doru Ursutiu
International Conference of Advanced Materials and Technologies (UgalMat) Galati, Romania, 22-23 October 2009
119. Preliminary Experiments of the New Facility and Technology for Vacuum Drying and Thermal Polymerization
G. Mateescu , A. Mateescu, C. Samoila, D. Ursutiu
The International Conference on Materials Science and Engineering, BRAMAT 2009, 26-28 February Brasov, Romania
120. Surface Processing Experiments on a New Multifunctional Thin Film Deposition Plant for Achievement of the Reflective and Anticorrosive Thin Films by Thermal Evaporation and by DC Magnetron Sputtering
G. Mateescu , A. Mateescu, C. Samoila, D. Ursutiu
International Conference of Advanced Materials and Tehnologies (UgalMat) , Galati, Romania 22-23 October 2009
121. Technological Experiments of the Vacuum Draying and Thermal Polimerization for the Turbo Generators Stator Bars Insulation on the INTEPOL Facility
G. Mateescu , A. Mateescu, C. Samoila, D. Ursutiu
International Conference of Advanced Materials and Technologies (UgalMat) Galati, Romania, 22-23 October 2009
122. ALICE pp physics programme
Ingrid Kraus, for the **ALICE Collaboration**
XLVII International Winter Meeting on Nuclear Physics, Bormio (Italy), Jan. 26-30, 2009, arXiv:0907.1509
123. Heavy Ion Physics with ALICE
Mercedes López Noriega, for the **ALICE Collaboration**
XLVII International Winter Meeting on Nuclear Physics, Bormio (Italy), Jan. 26-30, 2009, arXiv:0907.0577
124. Transition Radiation Detector of ALICE at LHC
Ken Oyama for the ALICE TRD Collaboration
Technology and instrumentation in Particle Physics 2009 (TIPP09), 11-17 March 2009, Tsukuba, Japan
125. DYNAMICAL AND THERMODYNAMICAL PROPERTIES OF INCOMPLETE FUSION EVENTS AT 25 MeV/NUCLEON
I.Lombardo, C.Agodi, R.Alba, F.Amorini, A.Anzalone, **I.Berceanu**, G.Cardella S.Cavallaro, M.B.Chatterjee, R.Coniglione, E.De Filippo,A.Di Pietro, G.Giuliani L.Grassi, A.Grzeszczuk, P.Figuera, E.La Guidara, G.Lanzalone, N.Le Neindre, C.Maiolino, A.Pagano, M.Papa, S.Pirrone, **A.Pop**, G.Politi, F.Porto, F.Rizzo, P.Russotto, D.Santonocito, G.Verde
International Conference on Nuclear Reactions on Nucleons and Nuclei , Messina (Italy), October 5-9, 2009, <http://nucleo/unime.it/conf2009/> , in curs de publicare in proceedings

126. Mirror nuclei emission and isospin equilibration at intermediate energies
Ivano Lombardo, C. Agodi, R. Alba, F. Amorini, A. Anzalone, **I. Berceanu**, G. Cardella, M.B. Chatterjee, S. Cavallaro, E. De Filippo, A. Di Pietro, E. Geraci, G. Giuliani L. Grassi, A. Grzeszczuk, P. Figuera, E. La Guidara, G. Lanzalone, N. Le Neindre, C. Maiolino, A. Pagano, M. Papa, S. Pirrone, **A. Pop**, G. Politi, F. Porto, F. Rizzo, P. Russotto, D. Santonocito, G. Verde
12th INTERNATIONAL CONFERENCE ON NUCLEAR REACTION MECHANISMS, Varenna (Italy), Villa Monastero, June 15 - 19, 2009, <http://www.fluka.org/Varenna2009/>, in curs de publicare in proceedings
127. Reaction dynamics and hierarchy effects from light particles
E. De Filippo for Exochim Collaboration (C. Agodi, F. Amorini, A. Anzalone, N. Arena, L. Auditore, R. Barna, A. Benisz, **I. Berceanu**, G. Cardella, S. Cavallaro, E. De Filippo, U. Emanuele, W. Gawlikowicz, G. Giuliani, F. Giustolisi, L. Grassi, A. Grzeszczuk, P. Guazzoni, S. Kowalski, E. La Guidara, G. Lanzalone, I. Lombardo, S. Lo Nigro, D. Loria, C. Maiolino, N. G. Nicolis, A. Pagano, M. Papa, I. Pawelczak, **M. Petrovici**, E. Piasecki, S. Pirrone, R. Płaneta, G. Politi, **A. Pop**, F. Porto, F. Previdi, M. Quinlan, F. Rizzo, E. Rosato, P. Russotto, K. Schmidt, U. Schröder, V. Sipala, K. Siwek-Wilczyńska, I. Skwira-Chalot, A. Sochocka, M.L. Sperduto, M. Stiro, L. Swiderski, J. Töke, A. Trifirò, M. Trimarchi, G. Verde, M. Vigilante, J. Wilczyński, L. Zetta and W. Zipper)
International Workshop on Multifragmentation and Related Topics, 4 – 7 November, 2009, Catania, Italy, <http://agenda.ct.infn.it/getFile.py/access?contribId=22&sessionId=24&resId=0&materialId=slides&confId=128>
128. Collective Phenomena in Heavy Ion Collisions
M. Petrovici, C. Andrei, I. Berceanu, A. Herghelegiu, A. Pop, C. Schiaua
3rd LINC Workshop, June 18-21, 2008, IHEP Protvino, <http://hyperon.ihep.su/LINC-2008/>
129. Collective phenomena in heavy-ion central collisions
C. Andrei, **I. Berceanu**, A. Herghelegiu, **M. Petrovici, A. Pop, C. Schiaua**
ALICE Workshop, Sibiu, 19-24 August, 2008,
https://niham.nipne.ro/aliceworkshop08/download/Cristi_Sibiu08.pdf
130. Collective Phenomena in mid-central heavy ion collisions
A. Herghelegiu, C. Andrei, I. Berceanu, M. Petrovici, A. Pop, C. Schiaua
ALICE Workshop, Sibiu, 19-24 August, 2008,
https://niham.nipne.ro/aliceworkshop08/download/AHerghelegiu_sibiu08.ppt
131. Exploring the LHC medium with electromagnetic probes
Ana Marin for the **ALICE Collaboration**
3rd International Conference on Hard Electromagnetic Probes of High-Energy Nuclear Collisions (Hard Probes 2008 conference proceedings), Isla de la Toja, Spain, 8-14 June, 2008
132. Fast RPCs for FAIR - R&D status
Mihai Petrovici
Seminar - March 20, 2008, Forschungszentrum Dresden-Rossendorf
133. Fast TRD- R&D Status
Mihai Petrovici
CBM Collaboration Meeting, 11th - February 26-29, 2008, GSI,
<http://www.gsi.de/documents/DOC-2008-Mar-62-1.pdf>

134. HCR-TRD requirements & their associated FEE
M.Petrovici, D.Bartos, I.Berceanu, V.Catanescu, G.Caragheorgheopol, M.Petris, V.Simion, A.Radu
CBM-FEE Workshop, December 5, 2008, GSI-Darmstadt, http://cbm-wiki.gsi.de/pub/Main/MihaiPetrovici/CBM_FEE_Workshop_Dec_05_2008.pdf
135. Heavy flavour in ALICE
Andrea Dainese for the **ALICE Collaboration**
proceedings of the DIS2008 conference, London, April 2008
136. Invited talks: Aspects of Flow Phenomena in. Heavy Ion Collisions
M. Petrovici & A. Pop
AIP Conf. Proc. 972, pg.98
137. On the isospin dependence of nuclear matter
M.D. Cozma and M. Petrovici
Heavy-Ion Collisions from the Coulomb Barrier to the Quark-Gluon Plasma, Erice, Italia, Septembrie 16-24, 2008
138. Open heavy flavour reconstruction in the ALICE central barrel
Francesco Prino for the **ALICE Collaboration**
ICHEP08
139. Present status of the first version of NIHAM TRD-FEE analogic CHIP
Mihai Petrovici and Vasile Catanescu
CBM Collaboration Meeting, 12th - October 13-18, 2008, JINR, Dubna,
<http://www.gsi.de/documents/DOC-2008-Oct-84-1.pdf>
140. Time Resolution of Radiation Hard Resistive Plate Chambers for the CBM Experiment at FAIR
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.Wustefeld
IEEE Dresden 19-25 October 2008
141. TRD chamber production @ NIPNE-Bucharest
Mihai Petrovici
ALICE-TRD Collaboration Meeting, June 6-7, 2008, Hohenstein, Germany,
<http://indico.cern.ch/getFile.py/access?contribId=1&resId=0&materialId=slides&confId=35522>
142. Complex EXCITED VAMPIR - beyond Mean-Field Approach with Symmetry Projection before Variation for Nuclear Structure,
A. Petrovici, invited seminar
ISOLDE -CERN, 30 September 2008.
143. Self-Consistent Description of Exotic Structure and Decay near the N=Z Line in the A~70 Mass Region,
A. Petrovici, invited seminar
ISOLDE -CERN, 29 September 2008.
144. 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,
A. Petrovici, invited talk
Cross-fertilization between Shell-Model and Energy Density Functional methods workshop, 7-10 April 2008, Paris-Saclay.
145. Collective phenomena in mid-central heavy ion collisions
A. Herghelegiu, C. Andrei, I. Berceanu, M. Petrovici, A. Pop, C. Schiaua
ALICE-Workshop, August 20-24, Sibiu - Romania, 2008
 146. Collective phenomena in heavy ion central collisions
C. Andrei, I. Berceanu, A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua
ALICE-Workshop, August 20-24, Sibiu - Romania, 2008
http://niham.nipne.ro/aliceworkshop08/download/Cristi_Sibiu08.pdf
 147. Self-Consistent Description of Exotic Structure and Decay near the N=Z Line,
A. Petrovici, invited talk
International Workshop on Nuclear Structure Physics, June 1-7, 2008, Shanghai, China.
 148. Self-Consistent Approach to the Beta Decay of Exotic Nuclei,
A. Petrovici, invited talk
Annual NuSTAR Meeting, January 30 - February 01, 2008, GSI, Darmstadt, Germany.
 149. Collective Phenomena in Heavy Ion Collisions
M. Petrovici, C. Andrei, I. Berceanu, A. Herghelegiu, A. Pop, C. Schiaua
3rd LINC Workshop, IHEP Protvino, June 18-21, 2008
 150. Collective phenomena in mid-central heavy ion collisions
A. Herghelegiu, C. Andrei, I. Berceanu, M. Petrovici, A. Pop, C. Schiaua
Conferinta Nationala de Fizica 2008, Bucuresti - Magurele, 2008
 151. Study of collective phenomena in heavy ion central collisions at ALICE
C. Andrei, I. Berceanu, A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua
Conferinta Nationala de Fizica 2008, Bucuresti - Magurele, 2008
 152. NIHAM within ALICE Grid
Claudiu Schiaua, Mihai Petrovici, Cristian Andrei
First Annual Meeting of the Romanian Tier-2 Federation
 153. ALICE TRD Status of Chamber Construction and Testing at Department of Hadronic Physics from IFIN-HH
Mariana Petris, D. Bartos....
15th National Conference on Physics, Bucharest, 10-13 September 2008
 154. Front-end electronics (FEE) for nuclear detectors based on the first ASIC developed by DFH-NIPNE
V. Catanescu, D. Bartos, G. Caragheorghopol
15-th National Conference on Physics Bucharest, 10-13 Sept 2008
 155. Time Resolution of Radiation Hard Resistive Plate Chambers for the CBM Experiment at FAIR
D. Bartos, G. Caragheorghopol, F. Dohrmann, B. Kampfer, R. Kotte, L. Naumann, M.

- Petris, M. Petrovici, V. Simion, D. Stach, C. Williams, J. Wuestenfeld**
2008 Nuclear Science Symposium, Medical Imaging Conference and 16th Room
Temperature Semiconductor Detector Workshop, 19-25 October, Dresden, Germany,
Conference Record, 978-1-4244-2715-4, 2008 IEEE NUCLEAR SCIENCE SYMPOSIUM
AND MEDICAL IMAGING CONFERENCE (2008 NSS/MIC), VOLS 1-9 Book Series:
IEEE NUCLEAR SCIENCE SYMPOSIUM - CONFERENCE RECORD Pages: 1933-1935
Published: 2009
156. Collective Phenomena in Heavy Ion Collision
M. Petrovici, C. Andrei, I. Berceanu, A. Herghelegiu, A. Pop, C. Schiaua
The 3rd Light Ion Nuclear Collision Workshop, Protvino, Russia, 18-21 June, 2008
157. Collective phenomena in heavy ion in central collisions
C. Andrei, I. Berceanu, A. Herghelegiu, M. Petrovici, A. Pop, C. Schiaua
ALICE Workshop, Sibiu, Romania, 20-24 Aug. 2008
158. Collective phenomena in heavy ion in mid-central collisions
A. Herghelegiu, C. Andrei, I. Berceanu, M. Petrovici, A. Pop, C. Schiaua
ALICE Workshop, Sibiu, Romania, 20-24 Aug. 2008
159. Study of collective phenomena in heavy ion central collisions at ALICE
C. Andrei, I. Berceanu, A. Herghelegiu, M. Petrovici, A. Pop
CONFERINTA NATIONALA DE FIZICA (CNF) 2008, 10 – 13 septembrie 2008,
Bucuresti, <http://www.google.ro/search?q=conferinta+de+fizica+cnf+2008&ie=utf-8&oe=utf-8&rls=org.mozilla:en-US:official&client=firefox-a>
160. Measurement of the pionium lifetime
M.Zhabitsky,...,**Gh.Caragheorgheopol**,...et al. (DIRAC Collaboration)
Proceedings of the 34-th International Conference on High Energy Physics, Philadelphia
(USA), 30 July - 05 August, 2008
161. Pocket pulse height multichannel system model SSA 4k
Al.Rusu, F.Constantin, **Gh. Caragheorgheopol**
15th National Conference on Physics Bucharest, 10-13 Sept 2008
162. Preshower detector for pionium lifetime determination
M.Pentia, C.Ciocarlan, S.Constantinescu, D.E.Dumitriu, M.Gugiu, **Gh.Caragheorgheopol**
15th National Conference on Physics Bucharest, 10-13 Sept 2008
163. Preshower detector implementation in pi+pi- hadronic atom breakup studies
M.Pentia, D.E.Dumitriu, M.Gugiu, C.Ciocarlan, S.Constantinescu, **Gh.Caragheorgheopol**
CEPAS 4-th Conference on Elementary Processes in Atomic Systems, Cluj-Napoca,
(Romania) 18-20 June 2008
164. Heavy flavour in ALICE
Philippe PILLOT for the **ALICE Collaboration**
Proceedings of Science, Physics at LHC-2008, 29 September-4 October, Split-CROATIA,
<http://pos.sissa.it/cgi-bin/reader/conf.cgi?confid=55>
165. Physics with photons in ALICE
Y. Kharlov, L. Benhabib, R. Wan (for the **ALICE Collaboration**)
Proceedings of Science, Physics at LHC-2008, 29 September-4 October, Split-

CROATIA, <http://pos.sissa.it/cgi-bin/reader/conf.cgi?confid=55>

166. Present status of the first version of NIHAM TRD-FEE analogic chip
V. Catanescu
CMB_XYTER Meeting, GSI, April 17, 2008, GSI-Darmstadt, Germany, http://cbm-wiki.gsi.de/pub/CBMXYTER/17Apr2008/VCatanescu_CBM_Xyter_170408.pdf
167. Present status of the first version of NIHAM TRD-FEE analogic chip
V. Catanescu, M. Petrovici
CBM 12th Collaboration Meeting, Oct. 14-18, Dubna, <http://www.gsi.de/documents/DOC-2008-Oct-84-1.pdf>
168. In-medium properties of vector mesons and dilepton emission in heavy-ion collisions at SIS energies
M.D. Cozma, E. Santini, C. Fuchs, B. Martemyanov and M.I. Krivoruchenko
Hadronic collisions at the LHC and QCD at high density, Les Houches, Franta, Martie 25-Aprilie 4, 2008
169. Complete System for Dosing and Analyzing of the Working Gases for Reactive PVD Methods/Plants,
Alice Mateescu; Gheorghe Mateescu
INDLAS 2008, Mai 20-23, Bran Romania
170. Complete System for Partial Pressure and Leaks Detection Control, in the PVD Reactive Processes (Plasma Laser Deposition/ Magnetron Sputtering/ Thermal Evaporation Plants), Poster at International Lasers Applications-INDLAS 2008, Bran 20-23 Mai 2008, Drd. Alice Mateescu; Dr. Gheorghe Mateescu
Alice Mateescu; Gheorghe Mateescu
INDLAS 2008, 20-23 Mai 2008
171. Heavy flavour in ALICE
Andrea Dainese for the **ALICE Collaboration**
DIS2008 Conference, London, April 2008, 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 Published in the journal 'Progress in High Energy Physics', Volume 2, Published online: 08 September 2008 ISSN nr.::DOI:10.3360/dis.2008.182
172. In-Beam Tests Results of the Pestov Glass Resistive Plate Counter Prototypes
Mariana Petris
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Francesco Prino for the **ALICE Collaboration**
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174. Photon-Induced Physics with Heavy-Ion Beams in ALICE
Joakim Nystrand for the **ALICE Collaboration**
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Mariana Petris
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176. TRD Chamber Production Status @ NIHAM
Mariana Petris
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177. Collective phenomena in heavy ion collisions
M. Petrovici, C. Andrei, I. Berceanu, A. Herghelegiu, A. Pop, C. Schiaua
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178. NIHAM GRID Site & Analysis Facility
C. Andrei, M. Petrovici, A. Pop, C. Schiaua
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179. Heavy Ion Physics with ALICE - invited talk
M. Petrovici
Four Seas Conference, May 2007, Iasi - Romania
180. Niham within ALICE-GRID - invited talk
M. Petrovici and **C. Schiaua**
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181. Selected aspects of flow phenomena in heavy ion collisions - invited lecture
Mihai Petrovici si **Amalia Pop**
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182. Gamow-Teller decay of proton-rich Kr isotopes in a self-consistent approach,
A. Petrovici, talk
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183. Exotic Nuclear Structure Phenomena in Medium Mass Nuclei,
O. Radu, A. Petrovici, K.W. Schmid, A. Faessler, talk
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184. Beyond Mean Field Description of the Gamow-Teller -Decay of Proton-Rich Kr Isotopes,
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G. Cardella for **CHIMERA Collaboration**

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V. Catanescu
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Yu.Zanewsky, V.Zryuev
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190. In-Medium Effects and Dilepton Emission in Heavy-Ion Collisions at SIS energies
D. Cozma, E. Santini, C. Fuchs, B. Martemyanov, M. Krivoruchenko and A. Faessler
Critical Point and Onset of Deconfinement (CPOD07), GSI Darmstadt, Germany, July 9-13, 2007
191. In-Medium Properties of Vector Mesons and Dilepton Emission in Heavy-Ion Collisions at SIS energies
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192. Isospin and Medium Effects in Heavy-Ion Collisions
D. Cozma and **M. Petrovici**
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193. Al 10-lea Simpozion MATNANTECH-Iulie 2007-Cap Aurora; Prezentarea stadiului de realizare a proiectului CEEEX-101/2006
Gheorghe Mateescu; Alice Mateescu
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194. Al 11-lea Simpozion MATNANTECH-Noiembrie 2007, Sinaia; Prezentarea stadiului de realizare a proiectului CEEEX-101/2006
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M. Petris
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 Mark Heinz, for the **ALICE Collaboration**
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M. Petrovici
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M. Petrovici
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208. Exotic Nuclear Structure Phenomena in Medium Mass Nuclei,
A. Petrovici, invited talk
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C. Andrei, NIHAM Group
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239. High Counting Rate TRD. Present Status and Perspectives
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242. Towards an ALICE Tier 2 Center in Bucharest
C. Andrei, C. Schiaua, C. Aiftimiei, M. Duma, A. Petrovici, M. Petrovici, G. Stoicea
poster presented at the Nuclear Electronics and Computing Conference, Varna, Bulgaria, September 12-18, 2005
243. Dynamical Fission in the Sn+Ni interaction at 35 A MeV
E. Russotto, E. Piasecki, C. Agodi, R. Alba, F. Amorini, A. Anzalone, L. Auditore, V. Baran, **I. Berceanu**, J. Blicharska, J. Brzywczyk, B. Borderie, R. Bougault, M. Bruno, G. Cardella, S. Cavallaro, R. Coniglione, M. B. Chatterjee, A. Chbihi, M. Colonna, M. D'Agostino, E. De Filippo, R. Dayras, A. DelZoppo, M. Di Toro, J. Frankland, E. Galichet, W. Gawlikowicz, E.

- Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, M. Iacono-Manno, S. Kowalski, E. La Guidara, G. Lanzano, G. Lanzalone, C. Maiolino, N. Le Neindre, M. G. Nicolis, Z. Majka, A. Pagano, M. Papa, **M. Petrovici**, S. Pirrone, R. Planeta, G. Politi, **A. Pop**, F. Porto, M. F. Rivet, E. Rosato, F. Rizzo, S. Russo, P. Russotto, D. Santonocito, P. Sapienza, M. Sassi, K. Schmidt, K. Siwek-Wilczynska, I. Skwira, M. L. Sperduto, A. Sochocka, Ł. Swiderski, A. Trifiro, M. Trimarchi, G. Vannini, M. Vigilante, J. P. Wieleczko, J. Wilczynski, L. Zetta, W. Zipper
 PROCEEDINGS OF THE 12TH NUCLEAR PHYSICS WORKSHOP, SEPTEMBER 23–26, 2005, KAZIMIERZ, POLAND, In press on : International Journal of Modern Physics E, (2005)
244. Dynamical multi-break processes in the $^{124}\text{Sn} + ^{64}\text{Ni}$ system at 35 MeV/nucleon and CoMD-II calculation
 M. Papa, F. Amorini, A. Anzalone, L. Auditore, V. Baran, **I. Berceanu**, J. Blicharska, A. Bonasera, B. Borderie⁴, R. Bougault, M. Bruno, J. Brzychczyk, G. Cardella, S. Cavallaro, M.-B. Chatterjee, A. Chbihi, M. Colonna, M. D'Agostino, R. Dayras, E. De Filippo, M. Di Toro, J. Frankland, E. Galichet, ⁵W. Gawlikowicz, E. Geraci, G. Giuliani, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, M. Iacono Manno, S. Kowalski, E. La Guidara, G. Lanzalone, G. Lanzano, C. Maiolino, Z. Majka, N. Le Neindre, A. Pagano, **M. Petrovici**, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, **A. Pop**, F. Porto, M.-F. Rivet, E. Rosato, F. Rizzo, S. Russo, P. Rusotto, M. Sassi, K. Schmidt, K. Siwek-Wilczynska, I. Skwira, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, G. Vannini, G. Verde, M. Vigilante, J.-P. Wieleczko, J. Wilczynski, L. Zetta, W. Zipper
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245. Fragment-fragment correlation in the nuclear reaction $^{124}\text{Sn}+^{64}\text{Ni}$ at 35A.MeV with CHIMERA
 C. Maiolino, C. Agodi, R. Alba, F. Amorini, A. Anzalone, L. Auditore, V. Baran, **I. Berceanu**, J. Blicharska, J. Brzychczyk, B. Borderie, R. Bougault, M. Bruno, G. Cardella, S. Cavallaro, R. Coniglione, M. B. Chatterjee, A. Chbihi, J. Cibor, M. Colonna, M. D'Agostino, E. De Filippo, R. Dayras, A. DelZoppo, M. Di Toro, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, M. Iacono-Manno, S. Kowalski, E. La Guidara, G. Lanzano, G. Lanzalone, N. Le Neindre, Z. Majka, A. Pagano, M. Papa, **M. Petrovici**, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, **A. Pop**, F. Porto, M. F. Rivet, E. Rosato, F. Rizzo, S. Russo, P. Russotto, D. Santonocito, P. Sapienza, M. Sassi, K. Schmidt, K. Siwek-Wilczynska, I. Skwira, M. L. Sperduto, Ł. Swiderski, A. Trifiro, M. Trimarchi, G. Vannini, M. Vigilante, J. P. Wieleczko, J. Wilczynski³, L. Zetta and W. Zipper⁶
 Proc. of the XLIII Int. Winter Meeting on Nuclear Physics, Bormio, March (2005), Ed. I. Iori
246. Identification of ^8Be isotope in the CsI CHIMERA detector
 W. Zipper, J. Blicharska, A. Grzeszczuk, M. Krauze, A. Stasz, M. Alderighi, A. Anzalone, L. Auditore, R. Barna, V. Baran, **I. Berceanu**, M. Bartolucci, A. Bonasera, B. Borderie⁴, R. Bougault³, M. Bruno, J. Brzychczyk, G. Cardella, S. Cavallaro, A. Chbihi², M. Colonna, M. D'Agostino, R. Dayras, E. De Filippo, D. De Pasquale, M. Di Toro, W. Gawlikowicz, E. Geraci, F. Giustolisi, P. Guazzoni, D. Guinet¹, M. Iacono Manno, A. Italiano, S. Kowalski, E. La Guidara, G. Lanzano, N. Le Neindre⁴, S. Li, S. Lo Nigro, C. Maiolino, Z. Majka, G. Manfredi, A. Pagano, M. Papa, **M. Petrovici**, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, **A. Pop**, F. Porto, M.-F. Rivet⁴, E. Rosato, F. Rizzo, S. Russo, P. Rusotto, K. Schmidt, G. Sechi, **V. Simion**, M.-L. Sperduto, J.-C. Steckemeyer³, A. Trifiro, M. Trimarchi, G. Vannini, M. Vigilante, J.-P. Wieleczko², J. Wilczynski, H. Wu, Z. Xiao, L. Zetta

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247. Isospin effects studied with CHIMERA detector at 35 MeV/nucleon
R. Planeta, .Agodi, R.Alba, F. Amorini, A. Anzalone, L. Auditore, V. Baran, **I. Berceanu**, J. Blicharska, J. Brzychczyk, B. Borderie, R. Bougault, M. Bruno, G. Cardella, S. Cavallaro, R. Coniglione, M. B. Chatterjee, M. Colonna, M. D'Agostino, E. De Filippo, R. Dayras, A. DelZoppo, M. Di Toro, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, M. Iacono-Manno, S. Kowalski, E. La Guidara, G. Lanzano, G. Lanzalone, N. Le Neindre, Z. Majka, A. Pagano, M. Papa, **M. Petrovici**, E. Piasecki, S. Pirrone, G. Politi, **A. Pop**, F. Porto, M. F. Rivet, E. Rosato, F. Rizzo, S. Russo, P. Rusotto, D. Santonocito, M. Sassi, K. Schmidt, K. Siwek-Wilczynska, I. Skwira, M. L. Sperduto, Ł. Swiderski, A. Trifirò, M. Trimarchi, G. Vannini, G. Verde, M. Vigilante, J. P. Wieleczko, J. Wilczynski, L. Zetta and W. Zipper
PROCEEDINGS OF THE XXIX Mazurian Lakes Conference on Physics "Nuclear Physics and the Fundamental Processes" August 30 - September 6 , 2005, Piaski, Poland
248. Recent progress in studying dynamical fragment production with CHIMERA
P. Rusotto, F. Amorini, A. Anzalone, L. Auditore, V. Baran, **I. Berceanu**, J. Blicharska, J. Brzychczyk, B. Borderie, R. Bougault, M. Bruno, G. Cardella, S. Cavallaro, M.-B. Chatterjee, A. Chbihi, M. Colonna, M. D'Agostino, R. Dayras, E. De Filippo, M. Di Toro, U. Emanuele, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, S. Kowalski, E. La Guidara, G. Lanzalone, G. Lanzano, C. Maiolino, Z. Majka, N. Leneindre, N.-G. Nicolis, A. Pagano, M. Papa, **M. Petrovici**, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, **A. Pop**, F. Porto, M.-F. Rivet, E. Rosato, F. Rizzo, S. Russo, M. Sassi, K. Schmidt, K. Siwek-Wilczynska, I. Skwira, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, G. Vannini, M. Vigilante, J.-P. Wieleczko, J. Wilczynski, L. Zetta, W. Zipper
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249. Study of the quasi-projectile in $^{124}\text{Sn} + ^{64}\text{Ni}$ and $^{112}\text{Sn} + ^{58}\text{Ni}$ reactions
E. Galichet, F. Amorini, A. Anzalone, L. Auditore, V. Baran, **I. Berceanu**, A. Bonasera, B. Borderie, R. Bougault, M. Bruno, J. Brzychczyk, G. Cardella, S. Cavallaro, M.-B. Chatterjee, A. Chbihi, M. Colonna, M. D'Agostino, R. Dayras, E. De Filippo, M. Di Toro, J. Frankland, W. Gawlikowicz, E. Geraci, F. Giustolisi, P. Guazzoni, D. Guinet, M. Iacono Manno, S. Kowalski, E. La Guidara, G. Lanzalone, G. Lanzano, C. Maiolino, Z. Majka, N. Le Neindre, A. Pagano, M. Papa, **M. Petrovici**, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, **A. Pop**, F. Porto, M.-F. Rivet, E. Rosato, F. Rizzo, S. Russo, P. Rusotto, M. Sassi, K. Schmidt, K. Siwek-Wilczynska, I. Skwira, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, G. Vannini, G. Verde, M. Vigilante, J.-P. Wieleczko, J. Wilczynski, L. Zetta, W. Zipper
International Workshop on Multifragmentation and related topics - IWM2005, Catania, Italy, 2005,
250. CVD-diamond detectors for spectroscopy and timing
E. Berdermann, **G. Caragheorghopol**, et al. (10 autori)
Proc. of the XLIII Intern. Winter Meeting on Nuclear Physics, p.371-381, Bormio, 2005
251. Radiation-hard detectors for spectroscopy and timing
E. Berdermann, **G. Caragheorghopol**, et al. (17 autori)
Proc. of the 1st Industrial Conference "Diamond at Work" p.1-16, Barcelona, 2005.

252. SC-DD front end electronics for MIPs timing
G.Caragheorghopol, A.Martemianov, M.Ciobanu, P.Moritz, M.Pomorski, **M.Petris**,
M.Petrovici, E.Berdermann
2nd NoRHDia Workshop, GSI, 2005, www-norhdia.gsi.de
253. ALICE TRD FRONT-END ELECTRONICS
V.Catanescu
Workshop CERN-IFIN-HH, Bucuresti 1 Iunie 2005
254. ALICE TRD in "Nuclear Interactions and Hadronic Matter" Center of Excellence
M. Petris
IFIN-CERN Collaboration Meeting, June 1, 2005, IFIN-HH - Bucharest
255. Glaverbel Glass MSMGRPC
M. Petris
CBM-RPC-Hadron-ID Workshop, GSI - Darmstadt, December 14, 2005
256. High Counting Rate Symmetric Multi Gap Multi Strip RPC
M. Petrovici, D. Moisa, **M. Petris**, **V. Simion**
CBM Collaboration Meeting, GSI-Darmstadt, March 9 - 12, 2005;
<https://www.gsi.de/documents/DOC-2005-Mar-166-1.ppt>
257. High Counting Rate Transition Radiation Detector Performance - in beam tests (Bucharest Prototype)
M. Petris
CBM Collaboration Meeting, GSI-Darmstadt, March 9 - 12, 2005
258. Timing Detectors for Minimum Ionizing Particles
M.Petris
Ro@FAIR Perspectives on the Romanian participation in the FAIR Project at GSI-Darmstadt, Bucharest, February 24 - 25, 2005
259. Fragment-fragment correlation in the nuclear reaction $^{124}\text{Sn}+^{64}\text{Ni}$ at 35 AMeV with CHIMERA
C. Maiolino and the CHIMERA-REVERSE collaboration, **I. Berceanu**, **M. Petrovici**, **A. Pop**, **V. Simion**
Proc. XLIII International Winter Meeting on Nuclear Physics, Bormio(Italia), Martie 13-20, 2005, Ricerca Scientifica ed Educazione Permanente Supplemento volumul 124 Eds. I. Iori, A. Bortolotti, pp. 194-204
260. CBM TOF Layout DOC-2004-Oct-171
G. Stoicea
CBM Collaboration Meeting - GSI, Darmstadt, October 6-8, 2004
261. High Counting Rate TRD DOC-2004-Oct-189
M. Petrovici
CBM Collaboration Meeting - GSI, Darmstadt, October 6-8, 2004
262. Status and plans for RPC R&D at NIPNE - Symmetric Multistrip, Multi Gap RPC – DOC-2004-Feb-164
M. Petrovici

CBM Collaboration Meeting - GSI, Darmstadt, February 11-13, 2004

263. Isospin mixing in superallowed Fermi beta decay,
A. Petrovici, invited talk
Int. Workshop: 'NUSTAR Annual Meeting 2004', Feb. 18-20 2004, GSI-Darmstadt, Germany
264. Effects of Coulomb-induced isospin mixing on superallowed Fermi beta decay,
A. Petrovici, invited talk
INT-04-3 Program: 'Microscopic Nuclear Structure Theory', Oct. 19 2004, INT-Seattle, University of Washington, USA
265. Fragment-fragment correlation in the nuclear reaction $^{124}\text{Sn}+^{64}\text{Ni}$ and $^{124}\text{Sn}+^{58}\text{Ni}$ at 35 A.MeV
C. Maiolino and ISOSPIN Collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
International Nuclear Physics Conference (INPC2004), G \ddot{e} teborg, Sweden, June 27 - July 2, 2004
266. Relative velocity correlations for fragments emitted in the reactions $^{124}\text{Sn}+^{64}\text{Ni}$ and $^{124}\text{Sn}+^{58}\text{Ni}$ reactions at 35 A.MeV
G. Lanzalone and ISOSPIN Collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
International Nuclear Physics Conference (INPC2004), Goteborg, Sweden, June 27 - July 2, 2004
267. Fragment Isotope ratio between $^{124}\text{Sn}+^{64}\text{Ni}$ and $^{124}\text{Sn}+^{58}\text{Ni}$ reactions at 35 AmeV
A. Amorini and ISOSPIN Collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
International Nuclear Physics Conference (INPC2004), Goeborg, Sweden, June 27 - July 2, 2004
268. Neck fragmentation in the reactions $^{124}\text{Sn}+^{64}\text{Ni}$ and $^{112}\text{Sn}+^{58}\text{Ni}$ at 35 AmeV
E. De Filippo for the ISOSPIN collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
GORDON Conference, USA, 2004
269. Dynamical fission in $^{124}\text{Sn}+^{64}\text{Ni}$ collision at 35 AmeV
P. Rusotto and the CHIMERA collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
XIVth COLLOQUE GANIL Giens, France, June 6-10, 2004
270. Proposal for a possible upgrading of the CHIMERA detector
A. Pagano and the CHIMERA collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
XLII Int. Winter Meeting on Nuclear Physics, Bormio, Italy, February (2004) Ed. I. Iori
271. High Counting Rate TRD DOC-2004-Oct-189
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273. Status and plans for RPC R&D at NIPNE - Symmetric Multistrip, Multi Gap RPC - DOC-2004-Feb-164
M. Petrovici

CBM Collaboration Meeting - GSI, Darmstadt, February 11-13, 2004

274. Intelligent Monitor for Tritium in Air Measurements
L. Purghel, **D. Bartos**, R. Calin, A. Lupu, L. Serbina
International Balkan Workshop on Applied Physics, Constanta, Romania, July 2004
275. Intelligent monitor for tritium in air measurements - prezentare prototip si poster
L. Purghel, M. R. Calin, **D. Bartos**, A. Lupu
TIB, Pavilion CONRO, oct. 2004.
276. Intelligent Monitor for Tritium in Air
L.Purghel, R.Calin,A.Lupu,**D.Bartos**,L.Serbina
International Balkan Workshop on Applied Physics, jul. 2004Constanta Romania
Measurements -- proceeding.
277. New Intelligent Monitor for Tritium in Air Measurements
L.Purghel, R.Calin,**D.Bartos**,L.Serbina,A.Lupu
SDIC 2004 UPB Bucuresti 17 nov. 2004 . model experimental
278. Portable Intelligent Tritium in Air Monitor
L. Purghel, **D. Bartos**, R. Calin, A. Lupu, L. Serbina
7th International Conference on Tritium Science and Technology, Baden-Baden, Germany,
September 12-17, 2004 poster
279. Fragment-fragment correlation in the nuclear reaction $^{124}\text{Sn}+^{64}\text{Ni}$ and $^{124}\text{Sn}+^{58}\text{Ni}$ at 35 A.MeV
C. Maiolino and ISOSPIN Collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
International Nuclear Physics Conference (INPC2004), Göteborg, Sweden, June 27 - July 2, 2004
280. Realizarea unor microcircuite de tip ASIC (Application Specific Integrated Circuit) pentru fizica nucleara experimentală
V.Catanescu
Workshop Targul International Bucuresti (TIB), INVENTIKA 2004, 4-9 Oct. Bucuresti
281. Timing Performance of CVD-Diamond Detector for MIPs
M.Petris, E.Berdermann,P.Braun-Munzinger,**G.Caragheorghopol, V.Catanescu**,
M.Ciobanu, M.Duma, D.Moisa, **M.Petris**, J.SuChraft, **V.Simion**, H.Stelzer,G.Stoica
NORDIA WORKSHOP, GSI, Germany,July 4-7, 2004, http://www-norhdia.gsi.de/talks/Petris_M.pdf
282. High Counting Rate TRD
M. Petrovici, D.Moisa, **M. Petris**, **V.Simion**, G. Stoica
CBM Collaboration Meeting, GSI - Darmstadt, October 6-8, 2004
283. Timing performance of CVD diamond detectors for minimum ionizing particles
M. Petris
1st NorRHDia Workshop, GSI-Darmstadt, July 4 - 6, 2004; http://www-norhdia.gsi.de/talks/1st/Petris_M.pdf
284. Fragment-fragment correlation in the nuclear reaction $^{124}\text{Sn}+^{64}\text{Ni}$ and $^{124}\text{Sn}+^{58}\text{Ni}$ at 35 A.MeV

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International Nuclear Physics Conference (INPC2004), Göteborg, Sweden, June 27 - July 2, 2004
285. Langevin description of dissipative processes in light heavy ion collisions
A. Pop
Conferinta Nationala de Fizica 2004, Pitesti, 9-11 septembrie, Rezumatele lucrarilor, pag. 30
286. Fragment-fragment correlation in the nuclear reaction $124\text{Sn}+64\text{Ni}$ and $124\text{Sn}+58\text{Ni}$ at 35 A.MeV
C. Maiolino and ISOSPIN Collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
International Nuclear Physics Conference (INPC2004), Göteborg, Sweden, June 27 - July 2, 2004
287. Proposal for a possible upgrading of the CHIMERA detector
A. Pagano and the CHIMERA collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
XLII Int. Winter Meeting on Nuclear Physics, Bormio, Italy, February (2004) Ed. I. Iori
288. Mirror nuclei in the $A=70$ mass region
A.Petrovici, invited talk
Trento Workshop: 'Nuclear Mean-Field: Symmetries and Spontaneous Symmetry Breaking', Sept. 14-20 2003, ECT - Trento, Italy
289. Variational approach to shape coexistence in the $A=70$ mass region,
A.Petrovici, invited talk
Trento Workshop: 'Shape Coexistence in Nuclei at High Angular Momenta', EUROBALL Collaboration Meeting, Nov. 26-28 2003, ECT-Trento,Italy
290. Central $112\text{Sn}+58\text{Ni}$, $124\text{Sn}+64\text{Ni}$, collisions in the REVERSE Experiment
E. Geraci and the REVERSE collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
The international Workshop on Multifragmentation and Related Topics (IWM2003), GANIL, Caen, France, November 5 - 7, 2003, Proceedings, Pages 139 - 144
291. Dynamical aspects of fragment production in the reactions $124\text{Sn}+64\text{Ni}$ and $112\text{Sn}+58\text{Ni}$ at 35 A.MeV
E. De Filippo and the CHIMERA collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
The international Workshop on Multifragmentation and Related Topics (IWM2003), GANIL, Caen, France, November 5 - 7, 2003, Proceedings, Pages 121 - 127
292. Present Status of the CHIMERA-ISOSPIN experiment
G. Politi and the CHIMERA collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
The international Workshop on Multifragmentation and Related Topics (IWM2003), GANIL, Caen, France, November 5 - 7, 2003, Proceedings, Pages 95 -101
293. Light heavy-ion dissipative collisions at low energy
A. Pop, A. Andronic, **I. Berceanu**, M. Duma, D. Moisa, **M. Petrovici, V. Simion** et al.
International Workshop "New Applications of Nuclear Fission" (NANUF03), Bucharest, Romania, September 7 -12, 2003, World Scientific, ISBN 981-238-933-4, Pages195 - 196
294. Central $112\text{Sn}+58\text{Ni}$, $124\text{Sn}+64\text{Ni}$ collisions in the REVERSE experiment
Geraci E, Alderighi M, Amorini F, Anzalone A, Auditore L, Baran V, Bartolucci M,

- Berceanu I**, Blicharska J, Bonasera A, Borderie B, Bougault R, Brzchczyk J, Bruno M, Brzychczyk J, Cardella G, Cavallaro S, Chibihi A, Cibor J, Colonna M, D Agostino M, Dayras R, De Filippo E, Di Toro M, Giustolisi F, Grzeszczuk A, Guazzoni P, Guinet D, Manno MI, Kolwaski S, La Guidara E, Lanzano G, Lanzalone G, Le Neindre N, Li S, Lo Nigro S, Maiolino C, Majka Z, Manfredi G, Paduszynski T, Pagano A, Papa M, **Petrovici M**, Piasecki E, Pirrone S, Planeta R, Politi G, Pop A, Porto F, Rivet MF, Rosato E, Rizzo F, Russo S, Russotto M, Sechi G, Simion V, Sperduto ML, Steckmeyer JC, Trifiro A, Trimarchi M, Urso S, Vannini G, Vigilante M, Wieleczko J P, Wilczynski J, Wu H, Xiao Z, Zetta L, Zipper W
The international Workshop on Multifragmentation and Related Topics (IWM2003), GANIL, Caen, France , November 5 - 7, 2003, Proceedings, Pages 139 - 144
295. Dynamical aspects of fragment production in the reactions $124\text{Sn} + 64\text{Ni}$ and $112\text{Sn} + 58\text{Ni}$ at 35 A.MeV
De Filippo E, Alderighi M, Amorini F, Anzalone A, Arena N, Auditore L, Baran V, Bertolucci M, **Berceanu I**, Blicharska J, Brzychczyk J, Bonasera A, Borderie B, Bougault R, Brzchczyk J, Bruno M, Cardella G, Cavallaro S, Chatterjee MB, Chibihi A, Cibor J, Colonna M, D Agostino M, Dayras R, De Filippo E, Di Toro M, Gawlicowicz, Geraci E, Giustolisi F, Grzeszczuk A, Guazzoni P, Guinet D, Fichera F, Manno MI, Kolwaski S, La Guidara E, Lanzano G, Lanzalone G, Le Neindre N, Li S, Lo Nigro S, Maiolino C, Majka Z, Manfredi G, Paduszynski T, Pagano A, Papa M, **Petrovici M**, Piasecki E, Pirrone S, Planeta R, Politi G, **Pop A**, Porto F, Rivet MF, Rosato E, Rizzo F, Russo S, Russotto M, Schmidt K, Sechi G, **Simion V**, Siwek-Wilczynska K, Skwira I, Sperduto ML, Steckmeyer JC, Swiderski L, Trifiro A, Trimarchi M, Urso S, Vannini G, Vigilante M, Wieleczko J P, Wilczynski J, Wu H, Xiao Z, Zetta L, Zipper W
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296. Present Status of CHIMERA-ISOSPIN experiment
G. Politi, Alderighi M, Amorini F, Anzalone A, Arena A, Auditore L, Baran, V, Barna R, **Berceanu I**, Blicharska J, Bonasera A, Borderie B, Bougault R, Brzchczyk J, Bruno M, Cardella G, Cavallaro S, Chatterjee MB, Chibihi A, Cibor J, Colonna M, D Agostino M, Dayras R, De Filippo E, De Pasquale D, Di Toro M, Fuschini E, Gawlicowicz, Geraci E, Giustolisi F, Grzeszczuk A, Guazzoni P, Guinet D, Fichera F, Manno MI, Kolwaski S, La Guidara E, Lanchais A, Lanzano G, Lanzalone G, Le Neindre N, Li S, Maiolino C, Majka Z, Nicotra D, Paduszynski T, Pagano A, Papa M, **Petrovici M**, Piasecki E, Pirrone S, Planeta R, **Pop A**, Porto F, Rivet MF, Rosato E, Rizzo F, Russo S, Russotto M, Sassi M, Sechi G, Siwek-Wilczynska K, Skwira I, Sperduto ML, Swiderski L, Trifiro A, Trimarchi M, Urso S, Vannini G, Vigilante M, Wieleczko J P, Wilczynski J, Wu H, Xiao Z, Zetta L, Zipper W
The international Workshop on Multifragmentation and Related Topics (IWM2003), GANIL, Caen, France , November 5 - 7, 2003, Proceedings, Pages 95 -101
297. SUMMARY OF PASA PRODUCTION READY REVIEW
V.Catanescu, H.K.Soltveit
TRD Workshop, Trento, Italy 3-5 March 2003
298. Recent Developments in RPC
M.Petrovici, N.Herrmann, K.D.Hildenbrand, M.Ciobanu, I.Cruceru, M.Duma, I.Cruceru, M.Duma, P.Dima, O.Hartmann, P.Koczon, T.Kress, Y.J.Kim, M.Marquardt, D.Moisa, **M. Petris**, A.Schuttauff, **V.Simion**, G.Stoicea
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299. The RPC Detector array of Fopi
M. Petrovici - invited talk
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300. Physics with the CHIMERA detector at LNS CATANIA methodology-experimental results - Future development
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D. Bartos*, M. Ciobanu*, F. Constantin*, A. C. Lupu**, F. Lupu**, M. Petcu*, V. D. Plostinaru*, Al. Rusu *
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302. Radioactivity Measurements And Control Solutions
D. Bartos, M. Ciobanu, F. Constantin, M. Petcu, Al. Rusu
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305. Measurement of $\pi^+\pi^-$ atom lifetime at DIRAC
 L. Afanasyev, ..., **G. Caragheorghopol** et al. (DIRAC Collaboration)
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306. The DIRAC experiment at CERN: current status and future perspectives
 A.M. Rodriguez, ..., **G. Caragheorghopol** et al. (DIRAC Collaboration)
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V.Catanescu, H.K.Soltveit
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308. STATUS OF THE ALICE TRD ANALOG FRONT-END ELECTRONICS
V.Catanescu
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309. Multistrip,Multigap,Symetric RPC
M. Petrovici - invited talk
 VI Workshop on Resistive Plate Chambers and Related Detectors, Coimbra, Portugal, 26-27 November, 2001
310. RPC Test
M. Petrovici
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311. RPC Test
M. Petrovici
 FOPI meeting October 1-2 at GSI (Darmstadt) (2001)
312. Variational approach to medium mass N=Z nuclei,
A. Petrovici, invited talk
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313. First results of isotopic studies in multifragmentatio obtained with 4Pi CHIMERA multideceter
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316. Low Background Beta Radiation Probe – DRB501
D.Bartos, B Prada, I. Vata
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317. ALICE TRD TRIGGER ARCHITECTURE
V.Angelov, **V.Catanescu**, M.Ciobanu, F.Lesser, V.Lindensthruth, R.Schneider
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318. FIRST PREAMPLIFIER/SHAPER (PASA) ASIC MICROCIRCUIT FOR ALICE TRD DETECTOR
V.Catanescu, M.Ciobanu
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319. PROPOSAL FOR THE SECOND ASIC MICROCIRCUIT FOR ALICE TRD DETECTOR
V.Catanescu
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320. THE ALICE TRANSITION RADIATION DETECTOR: RESULTS FROM PROTOTYPE TESTS
A.Andronic, C.Blume, P.Braun-Munzinger, O.Busch, A.Catillo Ramirez, M.Ciobanu, H.Daues, A.Devismes, C.Finch, C.Garabatos, M.Ivanov, S.Sedykh, R.S.Simon, H.Stelzer, G.Tsileidakis, H.Appelshauser, **V.Catanescu**, N.Hermann, T.Mahmoud, R.Schicker, J.Stachel, B.Vulpescu, J.Wessels, C.Xu, D.Bucher, T.Lister, **M.Petrovici**, T.Peitzmann, K.Reygers, R.Santo, O.Winkelmann
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321. Relativistic model for proton-proton bremsstrahlung
M.D. Cozma, O. Scholten, R.G.E. Timmermans and J.A. Tjon
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322. First results of isotopic studies in multifragmentation obtained with the 4pi CHIMERA multidetector
N. Le Neindre and the REVERSE collaboration, **I. Berceanu**, **M. Petrovici**, **A. Pop**, **V. Simion**
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325. Clusters as sensitive probes for deeper understanding of baryon flow observables
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I. Berceanu, A. Andronic, M. Duma, D. Moisua, **M. Petrovici**, **A. Pop, V. Simion**, A. Del
Zoppo, G. d'Erasmus, G. Imm'e, G. Lanza` n, A. Pagano, A. Pantaleo, G. Raciti
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328. Isospin dependence of Squeeze out
M. Petrovici
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N. Bastid the **FOPI Collaboration**
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I.~Berceanu, A.~Bonasera, B.~Borderie, A.~Botvina, R.~Bougault, M.~Bruno,
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331. RPC Tests
M. Petrovici
 FOPI meeting Octobre 9-10 2000 at GSI (Darmstadt)
332. Transition energy
M. Petrovici
 FOPI meeting April 3-4 2000 at GSI (Darmstadt)
333. Variational approach to coexistence phenomena in medium mass nuclei,
A. Petrovici, invited lecture
 Kernphysikalisches Kolloquium Univ. K`oln, Germania, 04.05.2000
334. Large scale nuclear structure calculations for medium mass $N=Z$ nuclei,
A. Petrovici, invited talk
 Int. Symp. "Shell Model 2000", Riken, Japan, March, 2000
335. Variational approach to the complex structure of the $N=Z$ nuclei,
A. Petrovici, invited talk
 Int. Workshop "Shell Model 2000", GSI-Darmstadt, Germania, 02-03.05.2000
336. Variational approach to coexistence phenomena in $N=Z$ nuclei,
A. Petrovici, invited talk
 Nato Advanced Study Institute on " Nuclei Far from Stability and Astrophysics",
 Predeal, Romania, Aug.-Sept. 2000
337. Variational approach to coexistence phenomena in N similar or equal to Z nuclei,
A. Petrovici, invited talk
 INT Program-Seattle, Univ. Washington, SUA, 23.10.2000
338. Neutron-proton correlations in medium mass N similar or equal to Z nuclei,
A. Petrovici, invited talk
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339. Charge Sensitive Preamplifier. Proposal for ALICE TRD Detector. Noise Considerations
V.Catanescu
 ALICE Conference, CERN, 21-24 June 2000
340. Clusterization at SIS energies. Nonequilibrium effects and flow-back influence
 W. Reisdorf and the **FOPI Collaboration**

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I. Berceanu, A. Andronic, M. Duma, D. Moisua, **M. Petrovici**, **A. Pop**, **V. Simion**, A. Del Zoppo, G. d'Erasmus, G. Imme, G. Lanzangrave o, A. Pagano, A. Pantaleo, G. Raciti
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342. On the sequence of proton and composite particle emission in central collisions of Ru(Zr) +Ru(Zr) at 400 A-MeV
R. Kotte, H.W Barz and the **FOPI Collaboration**
Proceedings of HIRSCHEGG'99, MULTIFRAGMENTATION, International Workshop XXVII on Gross Properties of Nuclei and Nuclear Excitations, Hirschegg, Austria, January 17 - 23 (1999) 181. Edited by H. Feldmeier, J. Knoll, W. Norenberg and J. Wambach
343. Systematic studies of dissipative processes in light heavy ion collisions
A. Pop, A. Andronic, **I. Berceanu**, A. Buctua, M. Duma, D. Moisua, **M. Petrovici**, **V. Simion**, G. Immacute e, G. Lanzangrave o, A. Pagano, G. Raciti, R. Coniglione, A. Del Zoppo, P. Piatelli, P. Sapienza, N. Colonna, G. d'Erasmus, A. Pantaleo
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344. The isospin influence on collective motion in HI collisions
M.Petrovici
FOPI meeting September 29-30 1999 at Obernai, France
345. The isospin influence on collective motion in HI collisions
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346. Clusters as sensitive probes for deeper understanding of baryon flow observables
M. Petrovici - Invited talk
7thInternational Conference on Clustering Aspects of Nuclear Structure and Dynamics, June 14-19, 1999, Rab, Croatia World Scientific, 2000, p.337
347. Variational approach to medium mass N=Z nuclei,
A. Petrovici, invited talk
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348. Shape Coexistence Phenomena in Medium Mass Nuclei,
A. Petrovici, invited talk
Int. Symp. "Advances in Nuclear Physics", Bucuresti, Romania, 09-10.12.1999
349. Systematic studies of dissipative processes in light heavy ion collisions
A. Pop, A. Andronic, **I. Berceanu**, A. Buta, M. Duma, D. Moisa, **M. Petrovici**, **V. Simion**, G. Imme, G. Lanzan, A. Pagano, G. Raciti, R. Coniglione, A. Del Zoppo, P. Piatelli, P.

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350. Proton Irradiation Effects in Epitaxial Silicon Detectors
 C.Tivarus, I.Pintilie, L.Pintilie, **M.Petris**, D.Moisa
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351. Systematics of Barion Flow Observables
M. Petrovici
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 R. Kutsche and the **FOPI Collaboration**
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 W. Reisdorf, The **FOPI Collaboration**
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A. Pop, A. Andronic, **I. Berceanu**, M. Duma, D. Moisa, **M. Petrovici**, **V. Simion**, G. Imme, G. Lanzangrave o, A. Pagano, G. Raciti, R. Coniglione, A. Del Zoppo, P. Piatelli, P. Sapienza, N. Colonna, G. d'Erasmus, A. Pantaleo
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I. Berceanu, A. Andronic, M. Duma, D. Moisa, **M. Petrovici**, **A. Pop**, **V. Simion**, A. Del Zoppo, G. d'Erasmus, G. Imme, G. Lanzan□, A. Pagano, A. Pantaleo, G. Raciti
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356. Neutron-proton interaction in medium mass nuclei,
A. Petrovici, invited seminar
 Vanderbilt Univ., 14.04.1998
357. Coexistence phenomena in medium mass nuclei,
A. Petrovici, invited seminar
 Oak Ridge National Laboratory, 24.04.1998
358. Large scale nuclear structure studies of medium mass nuclei,
A. Petrovici, talk
 Conf. Int. "Nuclear Structure at the Extremes", Lewes, Anglia, 17-19.06.1998
359. Neutron-proton interaction and shape coexistence in A=70 mass region,

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Surrey Univ., Anglia , 26.06.1998
360. Microscopic description of exotic nuclear structure,
A. Petrovici, invited lecture
Int. Summer School on "Structure and stability of nucleon and nuclear systems", Predeal, Romania, Aug.-Sept. 1998.
361. Large-scale shell-model studies of N=Z nuclei,
A. Petrovici, overview talk
Int. Workshop on "Physics around the N=Z line", Leuven, Belgia, 13-16.12.1998
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362. Flow, Particle Yields, Equilibration in Heavy Ion Reactions between 0.1 and 2 A GeV
W. Reisdorf, The **FOPI Collaboration**
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363. PC-BASED ANALOG SIGNAL GENERATOR FOR SIMULATED DETECTOR SIGNAL AND ARBITRARY TEST WAVEFORMS FOR TESTING OF NUCLEAR INSTRUMENTS
V.Catanescu
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364. Gamma and X ray Spectroscopy Systems
H.Bozdog, M.Caprini, **G.Caragheorghopol**, **V.Catanescu**, I.Cristea B.Goran, A.Florescu, C.Magureanu, N.Mihai, D.Neagu, D.Niculescu, L.Pascovici, Al.Rusu, I.Vata
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365. Charged Pions from Nuclear Collisions at SIS Energies
D. Pelte and **FOPI – Collaboration**
International Research Workshop, 7-14 Oct. 1996, Poiana Brasov, Romania World Scientific 1997, Ed. **M. Petrovici** et al, p. 271
366. Collective Expansion of Hot and Compressed Nuclear Matter Produced in Heavy Ion Collisions
M. Petrovici
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367. Collective Expansion of Hot and Compressed Nuclear Matter in Central and Mid-Central Heavy Ion Collisions
M. Petrovici
22.01.1997 - Laboratorio Nazionale del Sud, Catania, Italy
368. Excitation Function Studies for Deep Inelastic Processes in $^{19}\text{F} + ^{27}\text{Al}$ Collision in the Energy Interval (113.5 - 130) MeV
I.Berceanu, A. Andronic, M.Duma, D.Moisa, **M. Petrovici**, **A.Pop**, **V.Simion**, S.Aiello,

G.Imme, G.Lanzano, A.Pagano, G.Raciti, G.D'Erasmus, A.Pantaleo, G.Guarino, H.Saccetti
European Conference on Advances in Nuclear Physics and Related Areas Thessaloniki -
Greece, 8-12 July, 1997

369. Intermediate structures near an isobaric analog resonance in ^{67}Ga and their significance against statistical reaction model
C. Borcea, A. Buta, I. Lazar, V. Mayer, M. Petrascu, **M. Petrovici**, **V. Simion**, J. Ramm, A. Saganek
Proc. Int. Conf. on Nucl. Str., Tokio (1977) 497
370. New trends in nuclear physics
M. Petrovici
3rd General Conference of the Balkan Physics Union, 2-5 September, 1997
371. Strangeness at SIS Energies
N. Herrmann and FOPI – Collaboration
International Research Workshop, 7-14 Oct. 1996, Poiana Brasov, Romania World Scientific 1997, Ed. **M. Petrovici** et al, p. 332
372. Systematic Studies of Dissipative Phenomena in Light Heavy Ion Collisions
A.Pop, A. Andronic, **I.Berceanu**, M.Duma, D.Moisa, **M. Petrovici**, **V.Simion**, S.Aiello, G.Imme, G.Lanzano, A.Pagano, G.Raciti, G.D'Erasmus, A.Pantaleo, G.Guarino, H.Saccetti
European Conference on Advances in Nuclear Physics and Related Areas Thessaloniki - Greece, 8-12 July, 1997
373. Systematic Trends of Element Distributions in Light Heavy Ion Dissipative Processes
M. Petrovici
23.01.1997 - Laboratorio Nazionale del Sud, Catania, Italy
374. Transition from In-Plane to Out-of-Plane Emission
A. Andronic and **FOPI – Collaboration**
International Research Workshop, 7-14 Oct. 1996, Poiana Brasov, Romania World Scientific 1997, Ed. **M. Petrovici** et al, p. 209
375. Collective Expansion of Hot and Compressed Nuclear Matter in Central and Mid-Central Heavy Ion Collisions
M. Petrovici - invited seminar
22.01.1997 - Laboratorio Nazionale del Sud, Catania, Italy
376. Microscopic aspects of identical bands in the $A=70$ mass region,
A. Petrovici, invited talk
Int. Conf. on ^{74}Ge Gamma-Ray Spectroscopy and Nuclear Structure, Erice, Sicily, Sept. 1996
377. Cluster formation during expansion of hot and compressed nuclear matter
M. Petrovici
invited seminar 18.12.1995 - Laboratorio Nazionale del Sud, Catania, Italy
378. Collective Effects in Central and Semi-Central Heavy Ion Collisions
M. Petrovici
invited seminar 29.06.1995 - Forschungszentrum Karlsruhe, Technik und Umwelt, Germany
379. Collective effects in Heavy Ion Central Collisions; In-plane to out-of-plane azimuthal

distributions

M. Petrovici

20.12.1995 - Istituto Nazionale di Fisica Nucleare Sezione di Napoli

380. Systematics of dissipative processes in $19F + 27Al$ collision at low energy
A. Pop, A. Andronic, I.Berceanu, A.Buta, M.Duma, D.Moisa, **M. Petrovici**, V.Simion, S.Aiello, G.Imme, G.Lanzano, A.Pagano, G.Raciti, G.D'Erasmus, A.Pantaleo, G.Guarino, H.Saccetti
International Nuclear Physics Conference, Beijing 1995, p.5.2-2
381. Variational approach to exotic nuclear structure,
A. Petrovici, invited seminar
ORNL, Oak Ridge, Tennessee, USA, 11.10.1995
382. Variational approach to shape coexistence in $A \sim 80$ region,
A. Petrovici, invited seminar
Univ. Vanderbilt, Nashville, Tennessee, USA, 13.10.1995
383. Pairing correlations in rotating nuclei,
A. Petrovici, invited talk
I.N.T. Seattle, Washington, USA, Oct. 1995
384. Proton-neutron pairing,
A. Petrovici, invited talk
I.N.T. Seattle, Washington, USA, Oct. 1995
385. Variational approach to shape coexistence in $A \sim 80$ region,
A. Petrovici, invited talk
Institute for Nuclear Theory, Program 95-3: "Nuclear Structure under Extreme Conditions",
Seattle, Washington, USA, Nov. 1995
386. Cluster formation during expansion of hot and compressed nuclear matter produced in central heavy ion collisions
M. Petrovici
18.11.94 - Invited seminar at the INT - 94 "Hot and Dense Nuclear Matter" - Institute of Nuclear Theory - University of Washington
387. Collective flow in heavy ion central collisions
M. Petrovici
19.07.1994 University of Giessen, Germany
388. Fragment production and collective effects in central Au+Au collisions
T. Wienold and **FOPI – Collaboration**
Workshop on Nuclear Dynamics, Snowbird, USA, January 15-21, 1994
389. Cluster formation during radial expansion
M. Petrovici - oral presentation
February 1994 - FOPI Meeting, GSI - Darmstadt
390. A semi-analytical model for collective expansion
M. Petrovici
oral presentation May 1993 - FOPI Meeting - Laboratoire de Physique Corpusculaire,

Clermont-Ferrand, France

391. Collective matter flow in relativistic heavy ion collisions
J.P.Alard and **FOPI – Collaboration**
"Dynamical Features of Nuclei and Finite Fermi Systems", Sityes, Spain, September 13-17
1993
392. Dissipative processes in $^{19}\text{F} + ^{27}\text{Al}$ at 5.5 MeV/u
M. Petrovici
invited seminar 21.10.1993 Centre de Recherches Nucleaires and Universite Louis Pasteur,
Strasbourg, France 1992
393. Emission of fast particles in incomplete deep inelastic processes
M.Petrovici, A.Pop, R.Bock, A.Gobbi, M.Blann
International Nuclear Physics Conference INPC, July 26 - August 1, 1992, Wiesbaden,
Germany p.3.3.23
394. Fast Particle Emission in Deep Inelastic Collisions
A.Pop and M.Petrovici
Predeal International Summer School 1992
395. Flow and Cluster Formation in Au on Au Collisions at SIS-energies
S.C.Jeong and **FOPI-Collaboration**
Bormio 1992
396. Flow and cluster formation in Central Au on Au Collisions at 100 to 800 A MeV
FOPI-Collaboration
International Nuclear Physics Conference INPC, July 26 - August 1, 1992, Wiesbaden,
Germany p.3.4.25
397. FOPI studies of Au on Au collisions at SIS energies
W.Reisdorf and **FOPI-Collaboration**
Gross Properties of Nuclei and Nuclear Excitations XX, Hirschegg, Kleinwalsertal, Austria
1992
398. Fragment production in ^{100}Mo on ^{100}Mo Collisions Around 20 A MeV
J.P.Wessels, R.Bock, G.Casini, R.Freifelder, M.Gnirs, A.Gobbi, N.Herrmann,
K.D.Hildenbrand, P.R.Maurenzig, A.Olmi, D.Pelte, **M.Petrovici**, H.Stelzer, A.A.Stefanini
International Nuclear Physics Conference INPC, July 26 - August 1, 1992, Wiesbaden,
Germany p.3.4.3
399. Multinucleon Transfer Process in Light Heavy Ion Collisions
A.Andronic, S.Bastea, **I.Berceanu**, A.Buta, M.Duma, D.Moisa, **M.Petrovici, A.Pop**,
V.Simion, S.Aiello, G.Imme, G.Lanzano, A.Pagano, G.Raciti, G.D'Erasmo, A.Pantaleo,
G.Guarino, H.Saccetti
Predeal International Summer School 1992
400. Dracula - A versatile experimental device, performance and physics motivations
M. Petrovici
oral presentation 10.04.1991, PAC meeting - LNS - Catania
401. Incomplete deep inelastic processes in medium heavy ion collisions

- M. Petrovici**
invited seminar 23.08.1991 - University of Jyväskylä - Physics Department
402. Incomplete deep inelastic processes in medium mass heavy ion collisions at 18 and 24 MeV/u
M. Petrovici
Invited talk presented at the International Symposium Nikko '91 "Toward a Unified Picture of Nuclear Dynamics, June 6-8, 1991, Nikko, Japan
403. One year of operating "FOPI": Results and Status of the 4π -Detector Facility at SIS/ESR
FOPI-Collaboration
GSI-Nachrichten 02-1991
404. The 4π -detector at SIS/ESR: Present status and first results
K.D.Hildenbrand and **FOPI-Collaboration**
International Conference on New Nuclear Physics with Advanced Techniques, Ierapetra, Greece, June 23-29, 1991
405. The 4π -detector project at GSI: Current status and first results
K.D.Hildenbrand and **FOPI-Collaboration**
Gross Properties of Nuclei and Nuclear Excitations XIX Hirschegg, Kleinwalsertal, Austria 1991, p.100
406. One year of operating "FOPI": Results and Status of the 4π -Detector Facility at SIS/ESR
FOPI-Collaboration
GSI-Nachrichten 02-1991
407. Incomplete deep inelastic processes in medium heavy ion collisions
M. Petrovici - invited seminar
23.08.1991 - University of Jyväskylä - Physics Department
408. GAMMA AND X-RAY FLUORESCENCE SPECTROMETRY SYSTEMS
E.Badescu, H.Bozdog, M.Caprini, **G.Caragheorghopol**, **V.Catanescu**, C.Dumitru, I.Legrand, C.Magureanu, N.Mihai, I.Munteanu, M.Petcu, M.Puscalau, Al.Rusu
International Symposium "Electronic Instrumentation in Physics" Dubna, 14-17 May 1991
409. A Hybrid Position Sensitive Light Charged Particles Detector
M. Petrovici, **V. Simion**, **I. Berceanu**, A. Buc tu a, M. Duma, D. Moisa
Preprint NP-75-1990 May
410. Incomplete deep inelastic collisions at 18 and 24 A·MeV
M. Petrovici
invited seminar 06.05.1990 - Istituto Nazionale di Fisica Nucleare - Sezione di Catania, University of Catania
411. Intermediate mass ion induced deep inelastic collisions at 10 - 50 A·MeV
M. Petrovici
invited seminar 03.05.1990 - Istituto Nazionale di Fisica Nucleare - Sezione di Bari, University of Bari
412. Quantal Dynamics of Isospin Degree of Freedom in Light Ion Systems
M. Petrovici, I. Legrand, **I. Berceanu**, A. Buc tu a, M. Duma **V. Simion**

413. Energy dependence of 2-, 3- and 4-body exit channels in dissipative collisions
R. J. Charity, R. Freifelder, A. Gobbi, N. Herrmann, K. D. Hildenbrand, F. rami, H. Stelzer, J. Wessels, G. Casini, A. Olmi, P. R. Maurenzig, A. A. Stefanini, **M. Petrovici**, J. Galin, D. Guerreau, U. Jahnke, M. Gnirs, D. Pelte, D. Reimold, J. C. Adloff, B. Bilwes, R. Bilwes, R. Rudolf
Proc. of the Symp. on Nucl. Dyn. and Nucl. Disassembly, Dallas, USA, World Scientific, April 1989
414. Properties of fission-like of excited nuclei produced in dissipative collisions
P. R. Maurenzig, A. Olmi, A. A. Stefanini, G. Casini, R. Freifelder, N. Herrmann, A. Gobbi, K. D. Hildenbrand, **M. Petrovici**, R. J. Charity, J. Wessels, F. Rami, H. Stelzer, J. Galin, D. Guerreau, U. Jahnke, M. Gnirs, D. Pelte, D. Reimold, J. C. Adloff, B. Bilwes, R. Bilwes, R. Rudolf
Int. Nucl. Conf., Sao Paolo, Brasil, 1989
415. Energy dependence of 2-, 3- and 4-body exit channels in dissipative collisions
R. Freifelder, R. J. Charity, A. Gobbi, N. Herrmann, K. D. Hildenbrand, F. rami, H. Stelzer, J. Wessels, G. Casini, A. Olmi, P. R. Maurenzig, A. A. Stefanini, **M. Petrovici**, J. Galin, D. Guerreau, U. Jahnke, M. Gnirs, D. Pelte, D. Reimold, J. C. Adloff, B. Bilwes, R. Bilwes, R. Rudolf,
Int. Nucl. Phys. Conf., Sao Paolo, Brasil, 1989
416. Incomplete deep inelastic processes in $^{100}\text{Mo} + ^{100}\text{Mo}$ and $^{120}\text{Sn} + ^{120}\text{Sn}$ at 18 and 24 MeV/u
M. Petrovici,
Invited talk presented at the Int. School-Seminar on Heavy Ion Physics, Dubna, USSR, Oct. 1989
417. Characteristics of the many-body exit-channels in highly dissipative collisions
A. Olmi, G. Casini, P. R. Maurenzig, A. A. Stefanini, R. J. Charity, R. Freifelder, A. Gobbi, N. Herrmann, K. D. Hildenbrand, F. Rami, H. Stelzer, J. Wessels, **M. Petrovici**, J. Galin, D. Guerreau, U. Jahnke, M. Gnirs, D. Pelte, D. Reinold, J. C. Adloff, B. Bilwes, R. Bilwes, G. Rudolf
Nucl. Phys. GANIL Compilation 1983-1988, p. 64
418. Technical proposal of the 4π detector for SIS/ESR
FOPI-Collaboration
GSI-88-03 Report, January 1988 (ISSN 0171-4546)
419. Advanced IPNE data acquisition system
M. Duma, D. Moisa, **M. Petrovici**, **I. Berceanu**, M. Ivascu, G. Pascovici, **V. Simion**, E. Osvath, R. Bock, A. Gobbi, K. D. Hildenbrand, U. Lynen, W. F. J. Muller, M. Beeskow
Preprint NP-59-1987, May
420. Energy dependence of ternary processes in dissipative collisions
A. Olmi, P. R. Maurenzig, A. A. Stefanini, J. Albinski, A. Gobbi, S. Gralla, N. Herrmann, K. D. Hildenbrand, J. Kuzminski, W. F. J. Muller, **M. Petrovici**, H. Stelzer, J. Toke
Preprint DFF no. 45 (1987) Universita degli studi di Firenze
421. Production of π^+ , π^- and π^0 in central heavy ion collisions

- R. Albrecht, R. Bock, R. Freifelder, A. Gobbi, N. Herrmann, K. D. Hildenbrand, W. Reisdorf, D. Scull, R. S. Simon, H. Stelzer, R. D. Fischer, W. Kuhn, V. Metag, R. Novotny, S. Riess, D. Pelte, U. Winkler, N. Brummund, H. Lohner, R. Santo, **M. Petrovici**, A. Olmi
Workshop on Experiments and Experimental Facilities at SIS/ESR, March 30 - April 1, 1987
422. Device for reaction analysis based on a complex and unsurpassed on-line acquisition system
M. Petrovici, **V. Simion**, **I. Berceanu**, A. Demian, M. Duma, M. Ivascu, D. Moisa, E. Oswath, G. Pascovici, R. Bock, A. Gobbi, K. D. Hildenbrand, U. Lynen, H. sann, G. Augustinski, H. Beeskow, H. W. Daves,
Preprint NP-55-1986 December
423. The exponential growth of mass variances in dissipative collisions
J. Albinski, A. Gobbi, S. Gralla, N. Herrmann, K. D. Hildenbrand, J. Kuzminski, W. F. J. Muller, **M. Petrovici**, H. Stelzer, J. Toke, R. P. Maurenzig, A. Olmi, A. A. Stefanini, Second Int. Conf. on Nucleus-Nucleus Collisions, Visby-Sweden, June 1985
424. Emission of light particles in dissipative collisions at 18 MeV/u incident energy
K. D. Hildenbrand, J. Albinski, A. Gobbi, S. Gralla, N. Herrmann, J. Kuzminski, W. F. J. Muller, **M. Petrovici**, H. Sann, H. Stelzer, J. Toke, P. R. Maurenzig, A. Olmi, A. A. Stefanini,
Int. Workshop on Gross Properties of Nuclei and Nuclear Excitations XIII, Hirschegg - Austria, Jan.1985, p.111
425. Moments of charge distributions in the reaction $^{92}\text{Mo}+^{92}\text{Mo}$ at 14.7 MeV/u
S. Gralla, R. Bock, M. dakowski, A. Gobbi, K. D. Hildenbrand, J. Kuzminski, W. F. J. Muller, U. Lynen, A. Olmi, **M.Petrovici**, H. Stelzer, J. Toke,
Int. Conf. on Nucl. Phys., Florence, Aug. 29 - Sept. 2, 1983
426. A CAMAC CONTROLLER WITH MICROCOMPUTER
H.Bozdog, M.Caprini, **V.Catanescu**, V.Valeanu
First Joint Seminar on "Nuclear Electronics and Computer Science", Baghdad, IRAQ, March 12-16, 1983
427. AUTONOMOUS CAMAC SYSTEMS FOR DATA ACQUISITION AND PROCESSING
H.Bozdog M.Caprini, **V.Catanescu**, M.Ceaus, I.Cristea, D.Dumitru, B.Goran, V.Hurduc, D.Neagu, D.Niculescu, M.Niculescu, M.Petcu, A.Rusu, S.Solomon, A.Serban, V.Valeanu, A.Vlad
First Joint Seminar on Nuclear Electronics and Computer Science, Baghdad, IRAQ, March 12-16, 1983
428. CAMAC MODULES FOR ANALOG SIGNAL PROCESSING
S.Badralexe, M.Caprini, V.Catanescu, I.Cristea, B.Goran, M.Niculescu, A.Serban, V.Valeanu
First Joint Seminar on Nuclear Electronics and Computer Science, Baghdad, IRAQ, March 12-16, 1983
429. COMPUTER CONTROLLED CAMAC SYSTEM
H.Bozdog, M.Caprini, **V.Catanescu**, I.Cristea, B.Goran, D.Neagu, Al.Rusu, V.Valeanu
XI International Symposium of Nuclear Electronics, Bratislava, Cehia. sept 1983,
<http://wwwinfo.jinr.ru/NEC/NEC-2001/symp/XI-symp.htm> , (nr.33)
430. THE COMPUTER CONTROL SYSTEM OF THE BUCHAREST POSTACCELERATOR

G.Pascovici, M.Duma, R.Ruscu, D.Moisa, L.Pascovici, **V.Catanescu**
First Joint Seminar on "Nuclear Electronics and Computer Science", Baghdad, IRAQ,
March 12-16, 1983

431. Fast processes induced by heavy projectiles at incident energies of 10-20 MeV/u
M. Petrovici,
Invited talk - Int. Conf. on Selected Aspects in Heavy Ion Reactions, Saclay, 1982 - Nucl.
Phys. A387(1982)313c
432. Investigation of resonances in reaction $^{24}\text{Mg}(^{16}\text{O}, \alpha)^{36}\text{Ar}^*$ ($E_{2+}=1.9703$ MeV) and
 $^{24}\text{Mg}(^{16}\text{O}, \text{Be}^*)^{32}\text{S}^*$ ($E_{2+}=2.2302$ MeV)
I. Berceanu, I. Brancus, A. Buta, C. Grama, I. Lazar, I. Mihai, D. Pantelica, M. Petrascu, **M.**
Petrovici, M. Parlog, **V. Simion**, K. Zimmer, D. Candea, A. Constantinescu, M. A. A. Abou-
Leila, S. U. El-Kameesy
Int. Conf. of EPS, Nuclear and Atomic Physics with Heavy Ions, Bucharest, June 9-12 1981
433. The investigation of inclusive production of low energy particles p, d, ^3He , ^4He in inelastic
interactions of 4.5 GeV electrons with nuclei
V. N. Arutunian, G. V. Badalayan, D. M. Beglaryan, M. A. Garzoyan, T. A. Karapetyan, G. E.
Markaryan, G. I. Melikov, M. A. Mikaelian, Ya. D. Nersessyan, V. I. Passoyan, V. S.
Pogosov, S. A. Shatiev, T. A. Vartanyan, G. G. Zograbyan, C. Borcea, A. Buta, D.
Dorcioman, D. Lazarovici, M. Petrascu, **M. Petrovici**, **V. Simion**,
9th Int. Conf. on High Energy Physics and Nuclear Structure, Versailles, July 1981
434. Evidence for intermediate structure in $^{12}\text{C} + ^{24}\text{Mg}$ system
M. C. Mermaz, A. Greiner, E. Muller, B. T. Kim, N. Lisbona, M. Ruscev, M. Petrascu, **M.**
Petrovici, **V. Simion**,
Int. Conf. on the Resonant Behaviour of Heavy Ion Systems, Aegean Sea, Greece, June
1980
435. Resonant back angle scattering of ^{12}C on ^{24}Mg
A. Greiner, M. C. Mermaz, E. Muller, M. Petrascu, **M. Petrovici**, **V. Simion**,
Proc. Int. Conf. on Extreme States in Nucl. Phys., Dresda ZfK 404 (1979) p. 59
436. Second order intermediate structures and hallway states in nuclear reactions
M. Petrascu, **M. Petrovici**
Preprint ICEFIZ, NP-8-1979
437. Recoil into vacuum g-factor measurement of the $5/2^+$ state of 0.35 MeV in ^{21}Ne A.
Angheliescu, V. Avrigeanu, E. Bodo, C. Ciortea, I. David, B. Constantinescu, P. Osiceanu, D.
Pantelica, **A. Petrovici**, **M. Petrovici**, S. Vajda, N. Zaharcu,
4-th Int. Conf. on Hyp. Int. June 13-17, 1977 Madison, New Jersey, USA
438. Search for isospin effects in fission
C. Borcea, A. Buta, F. Carstoiu, A. Contantinescu, O. Dumitrescu, A. Galeriu, A. Isbasescu,
I. Lazar, P. Marian, I. Mihai, I. Mihailescu, P. Osiceanu, M. Petrascu, **M. Petrovici**, D.
Popescu, **V. Simion**, G. Voiculescu,
Proc. Int. Conf. on Selected Topics in Nucl. str. 15-19 iunie, Dubna, vol. I, p. 148 (1976)
439. Alpha-cluster states with excited core in ^{16}O
L. V. Gluhov, K. V. Karadzhov, V. I. Manko, A. N. Nersesyan, C. Borcea, A. Buta, M.

Petrascu, **M. Petrovici**, **V. Simion**,

Proc. Int. Conf. on Selected Topics in Nucl. Str. 15-19 iunie, Dubna, vol. I, p. 97 (1976)

440. PDP-15 PROGRAMMED CHANNEL INTERFACE

V.Catanescu

VIII International Symposium of Nuclear Electronics, Dubna, URSS, sept 1975,

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441. Evidence for intermediate structures near an isobaric analog resonance in ^{67}Ga

C. Borcea, F. Carstoiu, G. Constantinescu, A. Isbasescu, I. Lazar, I. Mihai, M. Petrascu, **M. Petrovici**, D. Popescu, **V. Simion**,

Proc. Int. Conf. on Nucl. Phys. - Munich 1 (1973) 529

442. DEVICE FOR IMPROVING SIGNAL-TO-NOISE RATIO OF SPECTRA BY DIGITAL AVERAGING

I.Bals, M.Caprini, **V.Catanescu**, M.Ciaus, I.Ciuc, B.Goran, E.Katz, D.Niculescu, L.Pascovici, M.Sampaleanu, I.Stefanescu

VI International Symposium of Nuclear Electronics, Warsaw, Poland, sept 1971,

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