

List of publications

1. *Harmonic decomposition of two particle angular correlations in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV*
ALICE Collaboration (K. Aamodt et al.)
Physics Letters B, Volume 708, Issues 3–5, 28 February 2012, Pages 249-264
2. *Heavy flavour decay muon production at forward rapidity in proton–proton collisions at $\sqrt{s} = 7$ TeV*
ALICE Collaboration (K. Aamodt et al.)
Phys. Lett. B 708 (2012) 265
3. *J/psi polarization in pp collisions at $\sqrt{s}=7$ TeV*
ALICE Collaboration (K. Aamodt et al.)
Phys.Rev.Lett. 108 (2012) 082001
4. *Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV*
ALICE Collaboration (B. Abelev et al.).
JHEP 1201:128,2012
5. *Shape isomerism and shape coexistence effects on the Coulomb energy differences in the $N=Z$ nucleus ^{66}As and neighboring $T=1$ multiplets*
G. de Angelis, K. T. Wiedemann, T. Martinez, R. Orlandi, **A. Petrovici**, E. Sahin, J. J. Valiente-Dobon, D. Tonev, S. Lunardi, B. S. Nara Singh, R. Wadsworth, A. Gadea, K. Kaneko, P. G. Bizetti, A. M. Bizetti-Sona, B. Blank, A. Bracco, M. P. Carpenter, C. J. Chiara, E. Farnea, A. Gottardo, J. P. Green, S. M. Lenzi, S. Leoni, C. J. Lister, D. Mengoni, D. R. Napoli, O. L. Pechenaya, F. Recchia, W. Reviol, D. G. Sarantites, D. Seweryniak, C. A. Ur, and S. Zhu
Phys. Rev. C 85 (2012) 034320
6. *Triple shape coexistence and shape evolution in the $N=58$ Sr and Zr isotopes*
A. Petrovici
Phys. Rev. C (2012)
7. *Collective phenomena in heavy ion collisions*
M. Petrovici si A. Pop
in curs de publicare in Rom. Jour. Phys
8. *A Two-Dimension Position Sensitive High Efficiency Transition Radiation Detector for High Counting Rate Environment*
M. Petrovici, V. Simion, M. Petris, V. Aprodu, D. Bartos, G. Caragheorghopol, V. Catanescu, A. Herghelegiu, L. Prodan, A. Radu, C. Bergmann, M. Klein-Boesing, J. P. Wessels
Rom. Journ. Phys. 56:654-663, 2011
9. *Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV*
Alice Collaboration

- PHYS. REV. LETT. Volume: 106 Issue: 3 Article Number: 032301 Published: JAN 20 2011
10. *Femtoscopy of pp collisions at root s=0.9 and 7 TeV at the LHC with two-pion Bose-Einstein correlations*
ALICE Collaboration
PHYSICAL REVIEW D Volume: 84 Issue: 11 Article Number: 112004 DOI: 10.1103/PhysRevD.84.112004, DEC 14 2011
 11. *Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at root s(NN)=2.76 TeV*
ALICE Collaboration
PHYSICAL REVIEW LETTERS Volume: 107 Issue: 3 Article Number: 032301 DOI: 10.1103/PhysRevLett.107.032301 Published: JUL11 2011
 12. *Measurement of charm production at central rapidity in proton-proton collisions at sqrt(s) = 7 TeV*
ALICE Collaboration
JHEP 01 (2012) 128
 13. *Production of pions, kaons and protons in pp collisions at root s=900 GeV with ALICE at the LHC*
ALICE Collaboration
EUROPEAN PHYSICAL JOURNAL C Volume: 71 Issue: 6 Article Number: 1655 DOI: 10.1140/epjc/s10052-011-1655-9 Published: JUN 2011
 14. *Rapidity and transverse momentum dependence of inclusive J/psi production in pp collisions at root s=7 TeV*
ALICE Collaboration
PHYSICS LETTERS B Volume: 704 Issue: 5 Pages: 442-455 DOI: 10.1016/j.physletb.2011.09.054, OCT 25 2011
 15. *Strange particle production in proton-proton collisions at root s=0.9 TeV with ALICE at the LHC*
ALICE Collaboration
EUROPEAN PHYSICAL JOURNAL C Volume: 71 Issue: 3 Article Number: 1594 DOI: 10.1140/epjc/s10052-011-1594-5 Published: MAR 2011
 16. *Strip Readout RPC Based on Low Resistivity Glass Electrodes*
M.Petris M.Petrovici, V.Simion, D.Bartos, G. Caragheorgheopol, F. Dorhmann, K.D. Hildenbrand, B. Kaempfer, R. Kotte, L. Naumann, D. Stach, M.C.S. Williams, J. Wuenstenfeld
Rom. Journ. Phys.56:349-358, 2011
 17. *Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at root s(NN)=2.76 TeV*
Alice Collaboration
PHYSICS LETTERS B Volume: 696 Issue: 1-2 Pages: 30-39 Published: JAN 24 2011
 18. *Two-pion Bose-Einstein correlations in central Pb-Pb collisions at root(NN)-N-S=2.76 TeV*

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PHYSICS LETTERS B Volume: 696 Issue: 4 Pages: 328-337, FEB 7 2011

19. *Beyond mean field approach to the beta decay of medium mass nuclei relevant for nuclear astrophysics*
A. Petrovici, K. W. Schmid, and A. Faessler
Prog. Part. Nucl. Phys. 66 (2011) 287
20. *Self-consistent description of shape coexistence in the $A\sim 100$ Zr nuclei*
A. Petrovici, K.W. Schmid, A.Faessler
J. Phys.: Conference Series 312 (2011) 092051
21. *Femtoscopia of Pb–Pb and pp collisions at the LHC with the ALICE experiment*
A Kisiel, for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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22. *ALICE detector upgrades*
Thomas Peitzmann for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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23. *ALICE results from the first Pb–Pb run at the CERN LHC*
J Schukraft (for the **ALICE Collaboration**), full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801
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24. *Anisotropic flow at the LHC measured with the ALICE detector*
Raimond Snellings, for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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25. *Anisotropic flow of charged particles at $\sqrt{s_{NN}}=2.76$ TeV measured with the ALICE detector*
Ante Bilandzic for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
Journal of Physics G: Nuclear and Particle Physics Volume 38, no.12, 2011, 124052
26. *Bulk properties of Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV measured by ALICE*
Alberica Toia for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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27. *Centrality dependence of the charged-particle multiplicity density at mid-rapidity in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV*
By **ALICE Collaboration** (K. Aamodt et al.).
Phys. Rev. Lett. 106, 032301 (2011)
28. *Charge-dependent azimuthal correlations in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV*
Panos Christakoglou for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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29. *Charged particle directed flow in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV measured with ALICE at the LHC*
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31. *Charged-particle multiplicity and transverse energy in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with ALICE,*
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32. *Cross-section normalization in proton–proton collisions at $\sqrt{s}= 2.76$ and 7 TeV, with ALICE at the LHC*
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33. *D meson nuclear modification factors in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ Te, measured with the ALICE detector*
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34. *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**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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35. *Elliptic and triangular flow of identified particles measured with the ALICE detector at the LHC*
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36. *Elliptic flow at high transverse momentum in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ALICE experiment*
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37. *Event-by-event mean pT fluctuations in pp and Pb–Pb collisions measured by the ALICE experiment at the LHC*
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- Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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38. *Hadron correlations in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE*
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 42. *Identified particles in pp and Pb–Pb collisions at LHC energies with the ALICE detector*
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 43. *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*
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 44. *J/ψ production at forward rapidity in Pb–Pb collisions at TeV, measured $\sqrt{s_{NN}} = 2.76$ TeV with the ALICE detector,*
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 45. *Jet reconstruction and jet background classification with the ALICE experiment in Pb–Pb collisions at the LHC*
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 46. *K_0 S and Λ production in Pb–Pb collisions with the ALICE experiment*
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47. *K0sK0s correlations in 7 TeV pp collisions from the ALICE experiment at the LHC*
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Roberta Arnaldi for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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 50. *Measurement of the electromagnetic dissociation cross section of Pb nuclei at $\sqrt{s_{NN}}= 2.76$ TeV*
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 52. *Multi-strange particle measurements in 7 TeV proton–proton and 2.76 TeV Pb–Pb collisions with the ALICE experiment at the LHC*
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 55. *Production of neutral pions and eta-mesons in pp collisions measured with ALICE*
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56. *Production of nuclei and antinuclei in pp and Pb–Pb collisions with ALICE at the LHC*
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57. *Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC.*
 By **ALICE Collaboration** (K. Aamodt et al.)
 Eur.Phys.J.C71:1655,2011.
58. *Quarkonium production measurements with the ALICE detector at the LHC*
 Ginés Martínez García for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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59. *Rapidity and transverse momentum dependence of inclusive J/psi production in pp collisions at $\sqrt{s}=7$ TeV*
ALICE Collaboration, (K. Aamodt et al.)
 Phys.Lett.B704:442-455,2011.
60. *Resonance measurements in pp collisions with the ALICE detector and prospects for Pb–Pb*
 A Pulvirenti for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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61. *Suppression of charged particle production at large transverse momentum in central Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV*
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 Phys. Lett. B 696 (2011) 30-39
62. *Suppression of neutral pion production at large transverse momentum measured with the ALICE experiment in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV*
 G Conesa Balbastre for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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63. *Triggered di-hadron correlations in Pb–Pb collisions from the ALICE experiment,*
 Andrew M Adare for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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64. *Two-pion Bose Einstein correlations in central Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV*
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 Phys.Lett.B 696:328-337,2011
65. *Two-pion Bose–Einstein correlations in Pb–Pb collisions at 2.76 TeV with ALICE*
 J Mercado for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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66. *Untriggered di-hadron correlations in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV from ALICE*
 Anthony R Timmins for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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67. *Vector meson production in pp collisions at $\sqrt{s}=7$ TeV, measured with the ALICE detector*
 A De Falco for the **ALICE Collaboration**, (full author list in Journal of Physics G: Nuclear and Particle Physics Volume 38, no. 12, 2011, 129801)
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68. *Charged-particle multiplicity and transverse energy in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with ALICE*
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69. *Elliptic flow at high transverse momentum in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ALICE experiment*
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70. *Resonance measurements in pp collisions with the ALICE detector and prospects for Pb–Pb*
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71. *Two-pion Bose–Einstein correlations in Pb–Pb collisions at 2.76 TeV with ALICE*
 J Mercado for the **ALICE Collaboration**
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72. *Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at root $s(NN)=2.76$ TeV*
 Aamodt, B.Abelev,... **V.Catanescu**,...Y. Zoccarato, M. Zynovyev
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73. *Two-pion Bose-Einstein correlations in central Pb-Pb collisions at root(NN)-N-S=2.76 TeV*
 Aamodt, B.Abelev,... **V.Catanescu**,...Y. Zoccarato, M. Zynovyev
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74. *Measurement of $K^*(892)0$ and $K0$ mesons in Al+Al collisions at 1.9A GeV*
 X. Lopez and the **FOPI collaboration**:
 Phys. Rev. C 81 (2010) 061902
75. *Rate Capability of a High Efficiency Transition Radiation Detector*
M. Petris, M. Petrovici, D.Bartos, I. Berceanu, V. Simion, A. Radu, A. Andronic, C. Garabatos, M.Klein-Boesing, R. Simon, F. Uhlig, J.P. Wessels, A. Wilk
 Rom. Journ. Phys., Vol.55, Nos. 3-4 (2010), p. 324 – 332

76. Strip Readout RPC Based on Low Resistivity Glass Electrodes
M.Petris, M.Petrovici, V.Simion, D.Bartos, G. Caragheorgheopol, F. Dorhmann, K.D. Hildenbrand, B. Kaempfer, R. Kotte, L. Naumann, D. Stach, M.C.S. Williams, J. Wuenstenfeld
 Rom. Journ. Phys., in press
77. *Systematics of central heavy ion collisions in the 1A GeV regime* (online reference)
 W. Reisdorf and the **FOPI collaboration**:
 Nucl. Phys. A 848 (2010) 366
78. *The CBM time-of-flight wall*
 I. Deppner, N. Herrmann, D. Gonzalez-Diaz, V. Ammosov, J. Cheng, M. Ciobanu, V. Gapienko, K.D. Hildenbrand, A. Kiseleva, M. Kiš, D. Kresan, R. Kotte, C. Huangshan, Y. Leifels, J. Fruehauf, C. Li, Y. Li, P.-A. Loizeau, L. Naumann, **M. Petrovici, M. Petris**, A. Semak, **V. Simion**, D. Stach, Y. Sun, Yu. Sviridov, Z. Tang, E. Usenko, J. Wang, Y. Wang, K. Wisniewski, J. Wuenstenfeld, L. Xu, V. Zaets, Y. Zhang, X.Zh
 Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, In Press, Corrected Proof, Available online 7 October 2010
79. *Toward a high granularity and high counting rate, differential readout timing MRPC*
M. Petriș, M. Petrovici, V. Simion, D. Bartoș, G. Caragheorgheopol, I. Deppner, K. Doroud, N. Herrmann, M. Kiss, P. Loizeau, Y. Zhang, M.C.S. Williams
 Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, In Press, Corrected Proof, Available online 28 October 2010
80. *A two-dimensional position sensitive high efficiency Transition Radiation Detector for a high counting rate environment*
D. Bartos, C. Bergmann, G. Caragheorgheopol, A. Herghelegiu, M. Klein-Boesing, M. Petris, M. Petrovici, V. Simion, J.P. Wessels
 CBM Progress Report 2009, (2010), p. 31, GSI Darmstadt, Germany, ISBN 978-3-9811298-7-8
81. *A Two-Dimension Position Sensitive High Efficiency Transition Radiation Detector for High Counting Rate Environment*
M. Petrovici, V. Simion, M. Petris, V. Aprodu, D. Bartos, G. Caragheorgheopol, V. Catanescu, A. Herghelegiu, L. Prodan, A. Radu, C. Bergmann, M. Klein-Boesing, J. P. Wessels
 Rom. Journ. Phys., in press
82. *Alignment of the ALICE Inner Tracking System with cosmic-ray tracks*
ALICE Collaboration
 J. Instrum. 5, P03003 (2010)
83. *CBM experiment at FAIR*
 Pawel Staszal for the **CBM Collaboration**
 Acta Physica Polonica B, vol. 41, No.2 (2010), 341 – 350
84. *Charged-particle multiplicity measurement in proton–proton collisions at $\sqrt{s}=0.9$ and 2.36 TeV with ALICE at LHC*

- ALICE Collaboration**
Eur. Phys. J. C (2010) 68: 89–108
85. *Charged-particle multiplicity measurement in proton–proton collisions at $\sqrt{s}=7$ TeV with ALICE at LHC*
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Eur. Phys. J. C (2010) 68: 345–354
86. *First proton–proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s}=900$ GeV*
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Eur. Phys. J. C (2010) 65: 111–125
87. *Measurements of quarkonium production with ALICE at the LHC*
Javier Castillo (for the **ALICE Collaboration**)
J. Phys. G: Nucl. Part. Phys. 37 (2010) 094051 (6pp)
88. *Midrapidity Antiproton-to-Proton Ratio in pp Collisions at $\sqrt{s}=0.9$ and 7 TeV Measured by the ALICE Experiment*
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Phys Rev Lett Vol.105, No.7, (2010)
89. *Strangeness and heavy flavours within the ALICE experiment*
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J. Phys. G: Nucl. Part. Phys. 37 (2010) 094020 (7pp)
90. *Strangeness in high multiplicity proton–proton collisions in the ALICE experiment*
Z L Matthews (for the **ALICE Collaboration**)
J. Phys. G: Nucl. Part. Phys. 37 (2010) 094048 (6pp)
91. *Study of hadronic resonances in ALICE in a first physics scenario*
A Badala, R Barbera, P La Rocca, G S Pappalardo, C Petta A Pulvirenti and F Riggi (for the **ALICE Collaboration**)
J. Phys. G: Nucl. Part. Phys. 37 (2010) 094047 (6pp)
92. *Study of strange particle production in pp collisions with the ALICE detector*
Helene Ricaud , Alexander Kalweit and Antonin Maire (for the **ALICE Collaboration**)
J. Phys. G: Nucl. Part. Phys. 37 (2010) 094049 (6pp)
93. *The colour glass condensate framework in p+p and Pb+p interactions at the ALICE experiment*
J D Tapia Takaki (for the **ALICE Collaboration**)
J. Phys. G: Nucl. Part. Phys. 37 (2010) 094050 (5pp)
94. *Transverse momentum spectra of charged particles in proton–proton collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC*
ALICE Collaboration
Physics Letters B 693 (2010) 53–68
95. *Two-pion Bose-Einstein correlation in pp at $\sqrt{s}=900$ GeV*
ALICE Collaboration
Phys. Rev. D 82, 052001 (2010)

96. *Alignment of the ALICE Inner Tracking System with cosmic-ray tracks*
K. Aamodt, N. Abel, ... **V. Catanescu**, ... V. Zychacek, M. Zynovyev
Journal of Instrumentation Volume: 5 Article Number: P03003 Published: MAR 2010
97. *Charged-particle multiplicity density at mid-rapidity in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV*
Aamodt, N. Abel, ... **V. Catanescu**, ... Y. Zooccarato, V. Zychacek
Physical Review Letters Volume: 105(2010), Nr.25, Article Number: 252301, December 13, 2010
98. *Charged-particle multiplicity measurement in proton-proton collisions at root $s=0.9$ and 2.36 TeV with ALICE at LHC*
Aamodt, N. Abel, ... **V. Catanescu**, ... Y. Zooccarato, V. Zychacek, M. Zynovyev
European Physical Journal C Volume: 68 Issue: 1-2 Pages: 89-108 Published: JUL 2010
99. *Charged-particle multiplicity measurement in proton-proton collisions at root $s=7$ TeV with ALICE at LHC*
Aamodt, N. Abel, ... **V. Catanescu**, ... Y. Zooccarato, V. Zychacek, M. Zynovyev
EUROPEAN PHYSICAL JOURNAL C Volume: 68 Issue: 3-4 Pages: 345-354 Published: AUG 2010
100. *Elliptic flow of charged particles in Pb-Pb collisions at 2.76 TeV*
Aamodt, B. Abelev, ... **V. Catanescu**, ... Y. Zooccarato, M. Zynovyev
Physical Review Letters Volume: 105(2010), Nr.25, Article Number: 252302, December 13, 2010
101. *First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $(s)^*(1/2)=900$ GeV*
K. Aamodt, N. Abel, ... **V. Catanescu**, ... Y. Zooccarato, V. Zychacek
The European Physical Journal C--Particles and Fields, 65(2010), Nr.1-2, pg. 111-125, 2010
102. *Front End Electronics for High Counting Rate TRD Using Prototype ASIC*
V. Catanescu, D. Bartos, G. Caragheorghopol
CBM Progress Report 2009, (2010), p. 47, GSI Darmstadt, Germany, ISBN 978-3-9811298-7-8
103. *Midrapidity Antiproton-to-Proton Ratio in pp Collisions root $s=0.9$ and 7 TeV Measured by the ALICE Experiment*
Aamodt, N. Abel, ... **V. Catanescu**, ... Y. Zooccarato, V. Zychacek, M. Zynovyev
PHYSICAL REVIEW LETTERS Volume: 105 Issue: 7 Article Number: 072002
Published: AUG 12 2010
104. *The transition radiation detector for ALICE at the LHC*
ALICE TRD Collaboration (K. Oyama for the collaboration)
Nucl. Instrum. Meth. A623, pg. 362-364, 2010
105. *Transverse momentum spectra of charged particles in proton-proton collisions at root $s=900$ GeV with ALICE at the LHC*
K. Aamodt, N. Abel, ... **V. Catanescu**, ... V. Zychacek, M. Zynovyev
PHYSICS LETTERS B Volume: 693 Issue: 2 Pages: 53-68 Published: SEP 27 2010

106. *Two-pion Bose-Einstein correlations in pp collisions at root s=900 GeV*
Aamodt, N. Abel, ... **V. Catanescu**, ... Y. Zooccarato, V. Zychacek, M. Zynovyev
PHYSICAL REVIEW D Volume: 82 Issue: 5 Article Number: 052001 Published: SEP 9 2010
107. *Toward a high granularity, high counting rate differential readout RPC*
M. Petrovici, V. Simion, M. Petris, D. Bartos, G. Caragheorgheopol, I. Deppner, K. Doroud, N. Herrmann, M. Kiss, P. Loizeau, Y. Zhang, M.C.S. Williams
CBM Progress Report 2009, (2010), p. 39, GSI Darmstadt, Germany, ISBN 978-3-9811298-7-8
108. *ALICE TPC commissioning results.*
ALICE TPC Collaboration (D.T. Larsen for the collaboration).
Nucl.Instrum.Meth.A617 (2010) 35-39
109. *Alignment of the ALICE Inner Tracking System with cosmic-ray tracks.*
ALICE Collaboration (K. Aamodt et al.)
JINST 5:P03003,2010. e-Print: arXiv:1001.0502 [physics.ins-det]
110. *Charged-particle multiplicity measurement in proton-proton collisions at sqrt(s) = 0.9 and 2.36 TeV with ALICE at LHC.*
ALICE Collaboration (K. Aamodt et al.)
Eur.Phys.J.C68:89-108,2010. e-Print: arXiv:1004.3034 [hep-ex]
111. *Charged-particle multiplicity measurement in proton-proton collisions at sqrt(s) = 7 TeV with ALICE at LHC.*
ALICE Collaboration (K. Aamodt et al.)
Eur.Phys.J.C68:345-354,2010.
112. *Detection of atmospheric muons with ALICE detectors.*
ALICE Collaboration (B. Alessandro et al.)
Nucl.Instrum.Meth.A617 (2010) 57-61
113. *Measurements of quarkonium production with ALICE at the LHC.*
ALICE Collaboration (Javier Castillo for the collaboration)
J.Phys.G37 (2010) 094051
114. *Midrapidity Antiproton-to-Proton Ratio in pp Collisions root s=0.9 and 7 TeV Measured by the ALICE Experiment*
ALICE Collaboration (full list of authors is done)
PHYSICAL REVIEW LETTERS Volume: 105 Issue: 7 Article Number: 072002
Published: AUG 12 2010
115. *Readout upgrade, hardware and software, for the ALICE data acquisition program.*
ALICE Collaboration (F. Costa et al.)
Nucl.Instrum.Meth.A617 (2010) 258-259
116. *Strangeness and heavy flavours within the ALICE experiment.*
ALICE Collaboration (Iouri Belikov for the collaboration)
J.Phys.G37 (2010) 094020

117. *The transition radiation detector for ALICE at the LHC.*
ALICE TRD Collaboration (K. Oyama for the collaboration).
 Nucl.Instrum.Meth.A623:(2010) 362-364
118. *Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s} = 900$ GeV with ALICE at the LHC.*
ALICE Collaboration (K Aamodt et al.)
 Phys.Lett.B693 (2010) 53-68. e-Print: arXiv:1007.0719
119. *In-beam test results of the Pestov Glass Resistive Plate Counter prototypes*
D. Bartos, G. Caragheorghopol, F. Dohrmann, K.D. Hildenbrand, B. Kampfer, R. Kotte, L. Naumann, M. Petris, M. Petrovici, V. Simion, D. Stach, C. Williams, J. Wuestenfeld
 CBM Progress Report 2008(2009), ISBN 978-3-9811298-6-1, 2009
120. *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. Defilippo, A. Dipietro, P. Figuera, E. Geraci, G. Giuliani, L. Grassi, A. Grzeszczuk, E. La Guidara, G. Lanzalone, N. Le Neindre, C. Maiolino, A. Pagano, M. Papa, S. Pirrone, G. Politi, **A. Pop**, F. Porto, F. Rizzo, P. Russotto, D. Santonocito, P. Sapienza and G. Verde
 International Journal of Modern Physics E (IJMPE) 19(2010)1170
121. *First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s}=900$ GeV*
ALICE Collaboration
 Eur. Phys. Jour. C (2010) 65:111-125 DOI 10.1140/epj/s10052-009-1227, arXiv: 0911.5430 [hep-ex]
122. *Isospin dependence of physical observables in Incomplete Fusion reactions 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.DeFilippo, A.DiPietro, P.Figuera, E.Geracia, G.Giuliani, L.Grassi, A.Grzeszczuk, E.LaGuidara, G.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.
 Nuclear Physics A 834 (2010) 458c-460c
123. *Isospin transport effects in nuclear reactions at 25 MeV/nucleon*
 Lombardo I, Agodi C, Alba R, Amorini F, Anzalone A, **Berceanu I**, Cardella G, Cavallaro S, Chatterjee MB, De Filippo E, Di Pietro A, Figuera P, Geraci E, Giuliani G, Grassi L, Grzeszczuk A, Han J, La Guidara E, Lanzalone G, Le Neindre N, Maiolino C (Maiolino, Pagano A, Papa M, Pirrone S, Politi G, **Pop A**, Porto F, Rizzo F, Russotto P, Santonocito D, Verde G
 PHYSICAL REVIEW C Volume: 82 Issue: 1 Article Number: 014608 Published: JUL 12 2010
124. *Strong enhancement of dynamical emission of heavy fragments in the neutron-rich $^{124}\text{Sn} + ^{64}\text{Ni}$ reaction at 35 A MeV*
 P. Russotto, E. De Filippo, A. Pagano, E. Piasecki, F. Amorini, A. Anzalone, L. Auditore,

- V. Baran, **I. Berceanu**, J. Blicharska, B. Borderie, R. Bougault, M. Bruno, J. Brzychczyk, G. Cardella, S. Cavallaro, M. B. Chatterjee, A. Chbihi, M. Colonna, M. D'Agostino, R. Dayras, M. Di Toro, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, S. Kowalski, E. La Guidara, G. Lanzalone, G. Lanza'no, N. Le Neindre, C. Maiolino, Z. Majka, M. Papa, **M. Petrovici**, S. Pirrone, R. Płaneta, G. Politi, **A. Pop**, F. Porto, M. F. Rivet, F. Rizzo, E. Rosato, K. Schmidt, K. Siwek-Wilczynska, I. Skwira-Chalot, A. Trifiro, M. Trimarchi, M. Vigilante, J. P. Wieleczko, J. Wilczynski, L. Zetta, and W. Zipper
 PHYSICAL REVIEW C 81, 064605 (2010)
125. *Femtoscopy of pp collisions at $\sqrt{s}=0.9$ and 7 TeV at the LHC with two-pion Bose-Einstein correlations.*
 By **ALICE Collaboration** (K. Aamodt et al.).
 e-Print: arXiv:1101.3665 [hep-ex]
126. *Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC.*
 By **ALICE Collaboration** (K. Aamodt et al.)
 e-Print: arXiv:1101.4110 [hep-ex]
127. *Strange particle production in proton-proton collisions at $\sqrt{s}=0.9$ TeV with ALICE at the LHC*
 By **ALICE Collaboration** (K. Aamodt et al.).
 arXiv:1012.3257v2 [hep-ex], European Physical journal C, in press
128. *Suppression of charged particle production at large transverse momentum in central Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV*
ALICE Collaboration, (K. Aamodt et al.)
 Physics Letters B, in print (2010)
129. *Two-pion Bose–Einstein correlations in central Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV*
ALICE Collaboration, (K. Aamodt et al.)
 Physics Letters B, In Press, Uncorrected Proof, Available online 30 December 2010
130. *Development and Test of a Real – Size Prototype for the CBM TRD*
 C. Bergmann, D. Emschermann, J.P. Wessels, **M. Petris**, **V. Simion**, **M. Petrovici**, C. Hoehne
 CBM Progress Report 2009, (2010), p.32, GSI Darmstadt, Germany, ISBN 978-3-9811298-7-8
131. *First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s}=900$ GeV*
 The **ALICE Collaboration** (K. Aamodt, et. al)
 Eur.Phys.J.C, C65:111-125,2010.
132. *Highly parallel algorithm for high p(T) physics at FAIR-CBM*
 A. Fulop, G. Vesztegombi for the **CBM Collaboration**
 Journal of Physics: Conference Series, vol. 219 (2010) 022032
133. *Measurements of quarkonium production with ALICE at the LHC*
ALICE Collaboration (Javier Castillo for the collaboration) (full author list in

- J.Phys.G:Nucl.Part.Phys.37(2010) 099801)
J.Phys.G37:094051,2010
134. *Midrapidity antiproton-to-proton ratio in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV measured by the ALICE experiment*
ALICE Collaboration (K. Aamodt et al.)
Phys.Rev.Lett.105:072002,
135. *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
136. *Strangeness and heavy flavours within the ALICE experiment*
ALICE Collaboration (Iouri Belikov for the collaboration) (full author list in J.Phys.G:Nucl.Part.Phys.37(2010) 099801)
J.Phys.G37:094020,2010
137. *Strangeness in high multiplicity proton-proton collisions in the ALICE experiment.*
ALICE Collaboration (Z.L. Matthews for the collaboration), (full author list in J.Phys.G:Nucl.Part.Phys.37(2010) 099801)
J.Phys.G37:094048,2010
138. *Study of hadronic resonances in ALICE in a first physics scenario*
ALICE Collaboration (A. Badala et al.), (full author list in J.Phys.G:Nucl.Part.Phys.37(2010) 099801)
J.Phys.G37:094047,2010
139. *Study of strange particle production in pp collisions with the ALICE detector*
ALICE Collaboration (Hélène Ricaud et al for **ALICE Collaboration**) (full author list 2010 J. Phys. G: Nucl. Part. Phys. 37 099801)
J. Phys. G: Nucl. Part. Phys. 37 094049, 2010
140. *The colour glass condensate framework in p + p and Pb + p interactions at the ALICE experiment*
ALICE Collaboration (J.D. Tapia Takaki for the collaboration), (full author list in J.Phys.G:Nucl.Part.Phys.37(2010) 099801)
J.Phys.G37:094050,2010
141. *The transition radiation detector for ALICE at the LHC.*
ALICE TRD Collaboration (K. Oyama for the collaboration)
Nucl.Instrum.Meth.A623:362-364,2010
142. *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
143. *Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s} = 900$ GeV with ALICE at the LHC.*
ALICE Collaboration (K Aamodt et al.)
Phys.Lett.B693:53-68,2010

144. *Alignment of the ALICE Inner Tracking System with cosmic-ray tracks*
ALICE Collaboration
 J. Instrum. 5, P03003, March 2010
145. *CBM experiment at FAIR*
 Pawel Staszal for the **CBM Collaboration**
 Acta Physica Polonica B, vol. 41, No.2 (2010)341
146. *Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=0.9$ and 2.36 TeV with ALICE at LHC*
ALICE Collaboration
 Eur. Phys. J. C (2010) 68: 89-108
147. *Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=7$ TeV with ALICE at LHC*
ALICE Collaboration
 Eur. Phys. J. C (2010) 68: 345-354
148. *Rate Capability of a High Efficiency Transition Radiation Detector*
M. Petris, M. Petrovici, D. Bartos, I. Berceanu, V. Simion, A. Radu, A. Andronic, C. Garabatos, M. Klein-Boesing, R. Simon, F. Uhlig, J.P. Wessels, A. Wilk
 Rom. Journ. Phys., Vol.55, No. 3-4 (2010)324
149. *Strong enhancement of dynamical emission of heavy fragments in the neutron-rich Sn-124+Ni-64 reaction at 35A MeV*
 Russotto P 1,2, De Filippo E 3, Pagano A 3, Piasecki E 4,5, Amorini F 1,2, Anzalone A 1, Auditore L 6,7, Baran V 8,9, **Berceanu I** 10, Blicharska J 11, Borderie B 12, Bougault R 13, Bruno M 14,15, Brzychczyk J 16, Cardella G 3, Cavallaro S 1,2, Chatterjee MB 17, Chbihi A 18, Colonna M 1, D'Agostino M 14,15, Dayras R. 19, Di Toro M 14,15, Frankland J 18, Galichet E 12, Gawlikowicz W 16, Geraci E 2,3, Giustolisi F 1,2, Grzeszczuk A 11, Guazzoni P 20,21, Guinet D 22, Kowalski S 11, La Guidara E 23, Lanzalone G 1,24, Lanzano G 3, Le Neindre N 13, Maiolino C 1, Majka Z 16, Papa M 3, **Petrovici M** 10, Pirrone S 3, Planeta R 1,16, Politi G 2,3, **Pop A** 10, Porto F 1,2, Rivet MF 12, Rizzo F 1,2, Rosato E 25,26, Schmidt K 11, Siwek-Wilczynska K 27, Skwira-Chalot I 27, Trifiro A 6,7, Trimarchi M 6,7, Vigilante M 25,26, Wieleczko JP 18, Wilczynski J 5, Zetta L 20,21, Zipper W
 PHYSICAL REVIEW C Volume: 81 Issue: 6 Article Number: 064605
150. *Toward a high granularity and high counting rate, differential readout timing MRPC*
M. Petris, M. Petrovici, V. Simion, D. Bartos, G. Caragheorgheopol, I. Deppner, K. Doroud, N. Herrmann, M. Kiss, P. Loizeau, Y. Zhang, M.C.S. Williams
 Accelerators, Spectrometers, Detectors and Associated Equipment, in press, Available online 28 October 2010
151. *Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC*
ALICE Collaboration
 Physics Letters B 693 (2010) 53-68
152. *Alignment of the ALICE Inner Tracking System with cosmic-ray tracks*
ALICE collaboration, full list of authors at pag.27 of the article; arXiv:1001.0502/hep-

ex

Journal of Instr., Volume 5, March 2010 (2010 JINST 5 P03003;
<http://iopscience.iop.org/1748-0221/5/03/P03003>)

153. *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. Defilippo, A. Dipietro, P. Figuera, E. Geraci, G. Giuliani, L. Grassi, A. Grzeszczuk, E. La Guidara, G. Lanzaone, N. Le Neindre, C. Maiolino, A. Pagano, M. Papa, S. Pirrone, G. Politi, **A. Pop**, F. Porto, F. Rizzo, P. Russotto, D. Santonocito, P. Sapienza and G. Verde
International Journal of Modern Physics E (IJMPE)-Nuclear Physics, Vol.19, Issues 5, 6, Page: 1170-1176, June 2010
154. *First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at root s=900 GeV*
The **ALICE Collaboration** (K. Aamodt, et. al)
Eur.Phys.J.C(2010)65:111-125 DOI 10.1140/epj/s10052-009-1227-4
155. *Isospin dependence of physical observables in Incomplete Fusion reactions 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. DeFilippo, A. DiPietro, P. Figuera, E. Geraci, G. Giuliani, L. Grassi, A. Grzeszczuk, E. LaGuidara, G. Lanzaone, N. LeNeindre, C. Maiolino, A. Pagano, M. Papa, S. Pirrone, G. Politi, **A. Pop**, F. Porto, F. Rizzo, P. Russotto, D. Santonocito, P. Sapienza and G. Verde
Nuclear Physics A, Volume 834, Issues 1-4, 1 March 2010, Pages 458c-460c
156. *RATE CAPABILITY OF A HIGH EFFICIENCY TRANSITION RADIATION DETECTOR*
Petris M 1, Petrovici M 1, Bartos D 1, Berceanu I 1, Simion V, Radu A 1, Andronic A 3, Garabatos C 2,3, Klein-Bosing M 2, Simon R 3, Uhlig F 3, Wessels JP 2, Wilk A 2, 1.
Natl Inst Nucl Phys & Engn, RO-077125 Bucharest, Romania 2. Univ Munster, D-4400 Munster, Germany 3. Gesellschaft Schwerionenforsch, Darmstadt, Germany
ROMANIAN JOURNAL OF PHYSICS Volume: 55 Issue: 3-4 Pages: 324-332
Published: 2010
157. *Beyond mean field approach to the beta decay of medium mass nuclei relevant for nuclear astrophysics*
A. Petrovici, K. W. Schmid, and A. Faessler
Prog. Part. Nucl. Phys. (2010)
158. *CBM experiment at FAIR*
Pawel Staszal for the **CBM Collaboration**
Acta Physica Polonica B41 (2010) 341
159. *Self-consistent description of coexistence phenomena in medium mass nuclei*
A. Petrovici
J. Phys. G: Nucl. Part. Phys. 37 (2010) 064036

160. *Self-consistent description of coexistence phenomena in medium mass nuclei*
A. Petrovici, K. W. Schmid, O. Andrei, and A. Faessler
 AIP Conference Proceedings 1034 (2010) 54
161. *Self-consistent description of shape coexistence in the $A \sim 100$ Zr nuclei*
A. Petrovici, K. W. Schmid, and A. Faessler
 J. Phys.: Conference Series (2010)
162. *Two-pion Bose-Einstein correlations in pp collisions at $\sqrt{s}=900$ GeV.*
ALICE Collaboration (K Aamodt et al.)
 e-Print: arXiv:1007.0516
163. *Heavy flavours in ALICE*
 G E Bruno for the **ALICE Collaboration** (full author list in J. Phys. G: Nucl. Part. Phys. 36 (2009) 069801)
 J. Phys. G: Nucl. Part. Phys. 36 (2009) 064053
164. *In-beam test results of the Pestov Glass Resistive Plate Counter prototypes*
D. Bartos, **G. Caragheorghopol**, F. Dohrmann, K.D. Hildenbrand, B. Kampfer, R. Kotte, L. Naumann, **M. Petris**, **M. Petrovici**, **V. Simion**, D. Stach, C. Williams, J. Wuestenfeld
 CBM Progress Report 2008 (2009), ISBN 978-3-9811298-6-1, 2009
165. *Measurement of the In-Medium K_0 Inclusive Cross Section in π -Induced, Reactions at 1.15 GeV/c*
 M. L. Benabderrahmane, N. Herrmann, K. Wisniewski, J. Kecskemeti, A. Andronic, V. Barret, Z. Basrak, N. Bastid, P. Buehler, M. Cargnelli, R. Caplar, E. Cordier, I. Deppner, P. Crochet, P. Dupieux, M. Dzelalija, L. Fabbietti, Z. Fodor, P. Gasik, I. Gasparic, Y. Grishkin, O. N. Hartmann, K. D. Hildenbrand, B. Hong, T. I. Kang, P. Kienle, M. Kirejczyk, Y. J. Kim, M. Kis, P. Koczon, M. Korolija, R. Kotte, A. Lebedev, Y. Leifels, X. Lopez, V. Manko, J. Marton, A. Mangiarotti, M. Merschmeyer, T. Matulewicz, **M. Petrovici**, K. Piasecki, F. Rami, A. Reischl, W. Reisdorf, M. S. Ryu, P. Schmidt, A. Schuttauf, Z. Seres, B. Sikora, K. S. Sim, **V. Simion**, K. Siwek-Wilczynska, V. Smolyankin, K. Suzuki, Z. Tyminski, E. Widmann, Z. G. Xiao, T. Yamazaki, I. Yushmanov, X. Y. Zhang, A. Zhilin, J. Zmeskal, E. Bratkovskaya and W. Cassing
 Phys. Rev. Lett. 102 (2009) 182501
166. *Rate Capability of a High Efficiency Transition Radiation Detector*
M. Petris, **M. Petrovici**, **D. Bartos**, **I. Berceanu**, **V. Simion**, **A. Radu**, A. Andronic, C. Garabatos, M. Klein-Boesing, R. Simon, F. Uhlig, J.P. Wessels, A. Wilk
 Romanian Journal of Physics, in press.
167. *Studying strange meson production with FOPI*
 O.N. Hartmann for the **FOPI collaboration**
 International Journal of Modern Physics A 24 (2009) 271-278
168. *Commissioning and Prospects for Early Physics with ALICE*
 P.G. Kuijer, for the **ALICE collaboration**
 Nuclear Physics A 830 (2009) 81c-88c

169. *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
170. *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]
171. *First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at 900 GeV*
The ALICE Collaboration (K. Aamodt, et. al)
 Eur.Phys.J.C, in press, Published on-line 11 December 2009
172. *Preparation for heavy-flavour measurements with ALICE at the LHC*
 Andrea Dainese for the **ALICE Collaboration**
 Nuclear Physics A 830 (2009) 919c–924c
173. *Results from cosmics and first LHC beam with the ALICE HMPID detector*
 G. Volpe for the **ALICE collaboration**
 Nuclear Physics A 830 (2009) 539c–542c
174. *Results from the commissioning of the ALICE Inner Tracking System with cosmics*
 Francesco Prino for the **ALICE collaboration**
 Nuclear Physics A 830 (2009) 527c–530c
175. *The Compressed Baryonic Matter Experiment at FAIR: Progress with feasibility and detector developments*
 Johann M. Heuser and the **CBM Collaboration**
 Nuclear Physics A 830 (2009) , 563c-566c
176. *The Transition Radiation Detector for ALICE at LHC*
 MinJung Kweona for the **ALICE TRD Collaboration**
 Nuclear Physics A 830 (2009) 535c–538c
177. *Dependence of flow observables in heavy-ion collisions on the symmetry energy and the in-medium nucleon-nucleon interaction*
M.D. Cozma and **M. Petrovici**
 Prog.Part.Nucl.Phys.62 (2009), 419
178. *Dilepton production at intermediate energies with in-medium spectral functions of vector mesons*
 E. Santini, **M.D. Cozma**, A. Faessler, C. Fuchs, M.I. Krivoruchenko, and B.M. Martemyanov,
 Prog.Part.Nucl.Phys. 62 (2009), 479
179. *The status of the ALICE TRD project*
The Alice TRD Collaboration (full author list:<http://www-alice.gsi.de/trd>)
 GSI Scientific Report 2008(GSI Report 2009-1), May 2009
180. *Preparation for heavy-flavour measurements with ALICE at the LHC*
 Andrea Dainese for the **ALICE Collaboration** (full author list in Nuclear Physics A 830

- (2009) 919c–924c)
Nuclear Physics A 830 (2009) 769c–772c
181. *Quarkonia measurements with ALICE at the LHC*
Magdalena Maleka for the **ALICE collaboration** (full author list in Nuclear Physics A 830 (2009) 919c–924c)
Nuclear Physics A 830 (2009) 339c–342c
182. *Searches for New Physics with the ALICE Experiment in pp Collisions.*
By **ALICE Collaboration** (A. Dobrin for the collaboration).
Prepared for 17th International Conference on Supersymmetry and the Unification of Fundamental Interactions (SUSY 09), Boston, Massachusetts, 5-10 Jun 2009. Published in AIP Conf.Proc.1200:730-733,2009. e-Print: arXiv:0910.0759 [hep-ph]
183. *A COORDINATE SENSITIVE DETECTOR FOR PARTICLES GENERATED IN HIGH ENERGY REACTIONS*
Madalina Cruceru, **D. Bartos**, I. Cruceru, **G. Caragheorgheopol**, O. G. Duluiu, A. Barborica, P. Cristea, C. M. Niculae, R. C. Bobulescu.
Romanian Reports in Physics, Vol.61, No3, P.513-521, 2009
184. *Evidence for pi K-atoms with DIRAC*
B.Adeva, ..., **Gh. Caragheorgheopol**, ...
Physics Letters B 674 (2009) 11-16
185. *In-beam test results of the Pestov Glass Resistive Plate Counter prototypes*
D. Bartos, **G. Caragheorgheopol**, F. Dohrmann, K.D. Hildenbrand, B. Kampf, R. Kotte, L. Naumann, **M. Petris**, **M. Petrovici**, **V. Simion**, D. Stach, C. Williams, J. Wuestenfeld
CBM Progress Report 2008, ISBN 978-3-9811298-6-1, 2009
186. *Preshower detector for pi(+)/pi(-) hadronic atom studies*
M.Pentia, C.Ciocarlan, S.Constantinescu, M.Gugiu, **Gh. Caragheorgheopol**
Nuclear Instruments and Methods in Physics Research A 603 (2009) 309-318
187. *Commissioning and Prospects for Early Physics with ALICE*
P.G. Kuijter, for the **ALICE collaboration**
Nuclear Physics A 830 (2009) 81–88
188. *Photon Physics in ALICE*
Yuri Kharlova and Dmitri Peressoukob for the **ALICE collaboration**
Nuclear Physics A 830 (2009) 495c–498
189. *Preparation for heavy-flavour measurements with ALICE at the LHC*
Andrea Dainese for the **ALICE Collaboration**
Nuclear Physics A 830 (2009) 769–772
190. *Quarkonia measurements with ALICE at the LHC*
Magdalena Maleka for the **ALICE collaboration**
Nuclear Physics A 830 (2009) 339–342
191. *Results from cosmics and first LHC beam with the ALICE HMPID detector.*
G. Volpe for the **ALICE collaboration**
Nuclear Physics A 830 (2009) 539–542

192. *Results from the commissioning of the ALICE Inner Tracking System with cosmics*
 Francesco Prino for the **ALICE collaboration**
 Nuclear Physics A 830 (2009) 527–530
193. *The Transition Radiation Detector for ALICE at LHC*
 MinJung Kweona for the **ALICE TRD Collaboration**
 Nuclear Physics A 830 (2009) 535–538
194. *DYNAMICAL SIGNALS IN FRAGMENTATION REACTIONS: TIME SCALE DETERMINATION FROM THREE FRAGMENTS CORRELATIONS BY USING THE 4 pi CHIMERA MULTIDETECTOR*
 E. De Filippo, F. Amorini, A. Anzalone, L. Auditore, V. Baran, **I. Berceanu**, J. Blicharska, B. Borderie, R. Bougault, M. Bruno, G. Cardella, J. Brzychczyk, S. Cavallaro, M.B. Chatterjee, A. Chbihi, M. Colonna, M. D'Agostino, R. Dayras, M. DiToro, U. Emanuele, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, S. Kowalski, E. LaGuidara, G. Lanzano, G. Lanzalone, N. Le Neindre, I. Lombardo, C. Maiolino, Z. Majka, A. Pagano, M. Papa, **M. Petrovici**, E. Piasecki, S. Pirrone, G. Politi, **A. Pop**, F. Porto, M.F. Rivet, F. Rizzo, E. Rosato, P. Russotto, K. Schmidt, K. Siwek-Wilczynska, I. Skwira, A. Sochocka, A. Trifiro, M. Trimarchi, G. Verde, M. Vigilante, J.P. Wieleczko, J. Wilczynski, L. Zetta, W. Zipper
 ACTA PHYSICA POLONICA B Volume: 40 Issue: 4 (2009) Pages: 1199-1207
195. *Isospin Dependence of Incomplete Fusion Reactions at 25 MeV/A*
 F.Amorini, G.Cardella, G.Giuliani, M.Papa, C.Agodi, R.Alba, A.Anzalone, **I.Berceanu**, S.Cavallaro, M.B.Chatterjee, R.Coniglione, E.De Filippo, A.Di Pietro, E.Geraci, L.Grassi, A.Grzeszczuk, P.Figuera, E.La Guidara, G.Lanzalone, N.Le Neindre, I.Lombardo, C.Maiolino, A.Pagano, S.Pirrone, G.Politi, **A.Pop**, F.Porto, F.Rizzo, P.Russotto, D.Santonocito, P.Sapienza, G.Verde
 Physical Review Letters, Volume: 102 Issue: 11 (2009) Article Number: 112701 ; <http://arxiv.org/nucl-ex/0809.1196>
196. *Dynamical Signals in Fragmentation Reactions: time scale determination from three fragments correlations by using the 4 pi CHIMERA multidetector*
 De Filippo 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 MB, Chbihi A, Colonna M, D'Agostino M, Dayras R, Di Toro M, Emanuele U, Frankland J, Galichet E, Gawlikowicz W, Geraci E, Giustolisi F, Grassi, Grzeszczuk A, Guazzoni P, Guinet D, Kowalski S, La Guidara E, Lanzalone G, Lanzano G, Le Neindre N, Lombardo I, Maiolino C, Majka Z, Pagano A, Papa M, **Petrovici M**, Piasecki E, Pirrone S, Planeta R, Politi G, **Pop A**, Porto F, Rivet MF, Rosato E, Rizzo F, Russotto P, Schmidt K, Siwek-Wilczynska K, Skwira I, Sochocka A, Trifiro A, Trimarchi M, Verde G, Vigilante M, Wieleczko JP, Wilczynski J, Zetta L, Zipper W
 ACTA PHYSICA POLONICA B Volume: 40 (2009) Issue: 4 Pages: 1199-1207
197. *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, Pawelczak, **M. Petrovici**, S. Pirrone, R. Planeta, G. Politi, **A. Pop**, F. Porto, F. Previdi, M. Quinlan, F. Rizzo, E. Rosato, P. Russotto, W. U. Schröder, Skwira-Chalot, K. Siwek-Wilczynska, K. Schmidt, A. Sochocka, L. Swiderski, A. Trifirò, M. Trimarchi, J. Töke, G. Verde, M. Vigilante, J. Wilczynski, L. Zetta and W. Zipper
AIP Conf. Proc. -- May 4, 2009 -- Volume 1120, pp. 38-43 PERSPECTIVE IN NUCLEAR PHYSICS: Proceedings of the 6th Japan-Italy Symposium on Heavy-Ion Physics; DOI:10.1063/1.3141671
198. *The Compressed Baryonic Matter Experiment at FAIR: Progress with feasibility and detector developments*
Johann M. Heuser and the **CBM Collaboration** (lista completa a autorilor este listata in Nuclear Physics A 830 (2009) 942c-944c
Nuclear Physics A 830 (2009) 563c-566c
199. *The ALICE experiment: overview and status*
By **ALICE Collaboration** (E. Vercellin for the collaboration). 2009
AIP Conf.Proc., Vol.1120, Issue 1, PERSPECTIVE IN NUCLEAR PHYSICS:
Proceedings of the 6th Japan-Italy Symposium on Heavy-Ion Physics;
doi:10.1063/1.3141638
200. *Dependence of flow observables in heavy-ion collisions on the symmetry energy and the in-medium nucleon-nucleon interaction*
M. D. Cozma and **M. Petrovici**
Prog. Part. Nucl. Phys. 62 (2009) 419
201. *The Compressed Baryonic Matter Experiment at FAIR: Progress with feasibility studies and detector developments*
M. Heuser, **CBM Collaboration**
Nucl. Phys. A 830 (2009) 563c-566c
202. *Variational approach to the Gamow-Teller beta decay of the rp-process waiting point nucleus ^{68}Se going beyond mean field calculations,*
A. Petrovici, K. W. Schmid, **O. Andrei**, and A. Faessler,
Phys. Rev. C 80 (2009) 044319
203. *Preliminary Experiments of the New Facility and Technology for Vacuum drying and Thermal Polymerization*
G. Mateescu, **A. Mateescu**, C. Samoila, D. Ursutiu
Bulletin of the Transilvania University of Brasov, Vol. 2 (51-2009), Series I, Engineering, Sciences, Revista Nationala cotata CNCSIS, categoria B, Cod CNCSIS 514-517
204. *Vasokotemperaturnaie termostat TS-300K dlea neutronih izmerenii na spectrometre DIN-2Pi Reactora IBR-2*
M. Ion, J. A. Kozlov, **G. Mateescu**, I. Padureanu, V. A. Semeonov, L. Craciun, S. Rapeanu, V. M. Morozov, A. I. Oprea, K. Oprea, A. B. Pucikov
JINR Dubna Bulletin
205. *ALICE Electromagnetic Calorimeter Technical Design Report*
The **ALICE Collaboration** ... **C. Andrei**, **I. Berceanu**, **V. Catanescu**, **A. Herghelegiu**,

M. Petris, M. Petrovici, A. Pop, C. Schiaua
CERN-LHCC-2008-014 ; ALICE-TDR-014
<http://cdsweb.cern.ch/record/1121574/files/ALICE-TDR-014.pdf>

206. *Anisotropic flow measurements in ALICE*
Sudhir Raniwala for the **ALICE Collaboration**
J. Phys. G: Nucl. Part. Phys. 35 (2008) 104165
207. *Heavy flavour physics in ALICE*
Massimo Masera for the **ALICE Collaboration**
J. Phys. G: Nucl. Part. Phys. 35 (2008) 104143
208. *Jet and gamma-jet physics with ALICE*
A Morsch for the **ALICE Collaboration**
J. Phys. G: Nucl. Part. Phys. 35 (2008) 104167
209. *Physics at high baryon density at FAIR*
Subhasis Chattopadhyay for the **CBM Collaboration**
J. Phys. G: Nucl. Part. Phys. 35 (2008) 104027
210. *Position resolution of a high efficiency transition radiation detector for high counting rate environments*
M.Klein-Bosing, **D.Bartos, I.Berceanu, V. Catanescu, A. Herghelegiu**, C. Magureanu, D. Moisa, **M. Petris, M. Petrovici, A. Radu, V. Simion** et al
Nucl. Instr. and Meth. in Phys. Res. A585(2008)83
211. *The ALICE experiment at the CERN LHC*
The **ALICE Collaboration ... C. Andrei, D. Bartos, I. Berceanu, G. Caragheorghopol, V. Catanescu, V. Duta, G. Giolu, A. Herghelegiu, C. Magureanu, M. Petris, M. Petrovici, A. Pop, C. Schiaua, V. Simion**
2008 JINST 3 S08002 doi: 10.1088/1748-0221/3/08/S08002
212. *The ALICE muon spectrometer and related physics*
B Espagnon for the **ALICE Collaboration**
J. Phys. G: Nucl. Part. Phys. 35 (2008) 104145
213. *Dilepton production in heavy-ion collisions with in-medium spectral functions of vector mesons*
E. Santini, **M.D. Cozma**, A. Faessler, C. Fuch, M.I. Krivorucenko and B. Martemyanov
Physical Review C, Volume 78, 034910, 2008
214. *Ion spectroscopy - A diamond characterization tool.*
E.Berdermann, **Gh.Caragheorghopol**, M.Ciobanu, M.Pomorski, A.Pullia, S.Riboldi, M.Traeger, H.Weick
Diamond and Related Materials, vol.17, issues 7-10, July-October 2008, pages 1159-1163
215. *Physics at high baryon density at FAIR*
Subhasis Chattopadhyay for the **CBM Collaboration**
J.Phys.G: Nucl.Part.Phys. 35 (2008) 104027
216. *ALICE electromagnetic calorimeter technical design report.*
ALICE Collaboration (P. Cortese et al.)
CERN-LHCC-2008-014, CERN-ALICE-TDR-014, Sep 2008.

217. *Investigations of muons in EAS with **KASCADE-Grande**.*
A. Haungs et al.
Nucl.Phys.Proc.Suppl.175-176 (2008) 354-357
218. *Status of the **KASCADE-Grande** experiment.*
H. Ulrich et al.
Nucl.Phys.Proc.Suppl.175-176, (2008) 273-279
219. *The ALICE experiment at the CERN LHC.*
ALICE Collaboration (K. Aamodt et al.)
JINST 3 (2008) 08002
220. *WILLI: A scintillator detector setup for studies of the zenith and azimuth variation of charge ratio and flux of atmospheric muons.*
I.M. Brancus et al.
Nucl.Phys.Proc.Suppl.175-176 (2008) 370-373
221. *Di-lepton spectroscopy in CBM*
C Höhne (for the **CBM Collaboration**) (full author list in J. Phys. G: Nucl. Part. Phys. 35 (2008) 109803
J. Phys. G: Nucl. Part. Phys. 35 (2008) 104160
222. *First physics with heavy ions in ALICE*
Luciano Ramello (for the **ALICE Collaboration**)
Nuclear Physics B (Proc. Suppl.) 177-178 (2008), pg. 161-166, 2008
223. *Heavy flavour in ALICE*
Massimo Massera for **ALICE Collaboration**
J. Phys.G : Nucl. Part. Phys. 35 (2008) 104143
224. *Heavy-Ion Physics with ALICE*
Federico Antinori (for the **ALICE Collaboration**)
Nuclear Physics B (Proc. Suppl.) 177-178 (2008), pg. 156-160, 2008
225. *Photon-Induced Physics with Heavy-Ion Beams in ALICE*
Joakim Nystrand and the **ALICE Collaboration**
Nuclear Physics B (Proc. Suppl.) 179-180 (2008), pg. 156-161, 2008
226. *Position resolution of a high efficiency Transition Radiation Detectors for high counting rate environment*
M. Klein-Boesing, A. Andronic, **D. Bartos, I. Berceanu, V. Catanescu**, C.Garabatos, N. Heine, **A. Herghelegiu**, C. Magureanu, D. Moisa, **M.Petris, M. Petrovici, A. Radu, V. Simion**, F. Uhlig, J.P. Wessels, A. Wilk
Nucl. Instrum Meth. A585 (2008), Issue 1-2, pg. 83-85, 2008
227. *Prospects for Phi meson production in pp collisions at the ALICE experiment*
J. D. Tapia Takaki (for the **ALICE Collaboration**(full author list in J. Phys. G: Nucl. Part. Phys. 35 (2008) 049801 (9pp))
J. Phys. G: Nucl. Part. Phys. 35 (2008) 044058 (5pp)
228. *The ALICE experiment at the CERN LHC*
K. Aamodt, N.Abel,... **V. Catanescu**,... A.Zuchini, M.Zuffa

Journal of Instrumentation, Volume 3, No. 8, JINST 3 S08002, August 2008;
<http://iopscience.iop.org/1748-0221/3/08/S08002/?ejredirect=.iopsciencetrial>

229. *The ALICE experiment at the LHC*
E. Vercellin (for the **ALICE collaboration**)
Nuclear Physics A 805 (2008), Issues 1-4 pg. 511c-518c, 2008
230. *Centrality dependence of isospin effect signatures in Sn-124+Ni-64 and Sn-112+Ni-58 reactions*
Planeta R, Amorini F, Anzalone A, 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. DiToro, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, S. Kowalski, E. LaGuidara, G. Lanzano, G. Lanzalone, C. Maiolino, Z. Majka, N. LeNeindre, A. Pagano, M. Papa, **M. Petrovici**, E. Piasecki, S. Pirrone, G. Politi, **A. Pop**, F. Porto, M.F. Rivet, F. Rizzo, E. Rosato, P. Russotto, K. Schmidt, K. Siwek-Wilczynska, I. Skwira-Chalot, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, M. Vigilante, J.P. Wieleczko, J. Wilczynski, L. Zetta, W. Zipper
PHYSICAL REVIEW C Volume: 77 Issue: 1 Article Number: 014610 Published: JAN 2008
231. *Heavy flavour physics in ALICE*
Massimo Maserà for the **ALICE Collaboration** (full list of members of **ALICE Collaboration** in J. Phys. G: Nucl. Part. Phys. 35 (2008) 109801 (9pp)),
J. Phys. G: Nucl. Part. Phys. 35 (2008) 104144 (4pp)
232. *Position resolution of a high efficiency Transition Radiation Detectors for high counting rate environment*
M. Klein-Boesing, A. Andronic, **D. Bartos**, **I. Berceanu**, **V. Catanescu**, C. Garabatos, N. Heine, **A. Herghelegiu**, C. Magureanu, D. Moisa, **M. Petris**, **M. Petrovici**, **A. Radu**, **V. Simion**, F. Uhlig, J.P. Wessels, A. Wilk
Nucl. Instr. Methods in Phys Res A 585 (2008) 83 – 87
233. *Signals of dynamical multifragmentation as seen by CHIMERA detector*
P. Russotto, E. De Filippo, A. Pagano, 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, M. DiToro, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, S. Kowalski, E. LaGuidara, G. Lanzano, G. Lanzalone, C. Maiolino, Z. Majka, N. LeNeindre, M. Papa, **M. Petrovici**, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, **A. Pop**, F. Porto, M.F. Rivet, F. Rizzo, E. Rosato, K. Schmidt, K. Siwek-Wilczynska, I. Skwira-Chalot, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, M. Vigilante, J.P. Wieleczko, J. Wilczynski, L. Zetta, W. Zipper
Nuclear Phys. A 805, p. 507-509 (2008)
234. *Centrality dependence of isospin effect signatures in 124Sn+64Ni and 112Sn+58Ni reactions*
R. Planeta, F. Amorini, A. Anzalone, L. Auditore, V. Baran, A. Benisz, **I. Berceanu**, A. Bonasera, B. Borderie, J. Borgensztajn, 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, W. Gawlikowicz, E. Geraci, G. Giuliani, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, S. Kowalski, M. Krauze, E. La Guidara, G. Lanzano, G. Lanzalone, N. Le Neindre, J. Łukasik, C. Maiolino, Z. Majka, N. G. Nicolis, A. Pagano, M. Papa, **M. Petrovici**, E. Piasecki, S. Pirrone, G. Politi, **A. Pop**, F. Porto, M. F. Rivet, E. Rosato, F. Rizzo, P. Russotto, K. Schmidt, K. Siwek-Wilczynska, I. Skwira-Chalot, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, G. Vannini, M. Vigilanti, J. P. Wieleczko, J. Wilczynski, L. Zetta, and W. Zipper
 PHYSICAL REVIEW C Volume 77, Issue 1, Pages 014610-1 - 014610-11 (January 2008)
235. *Photon-Induced Physics with Heavy-Ion Beams in ALICE*
 Joakim Nystrand for the **ALICE Collaboration**
 Nuclear Physics B - Proceedings Supplements, Volumes 179-180, August 2008, Pages 156-161, Proceedings of the International Workshop on High-Energy Photon Collisions at the LHC 2008
236. *Selected aspects of flow phenomena in heavy ion collisions - invited lecture*
Mihai Petrovici si Amalia Pop
 AIP Conf. Proc. -- January 24, 2008 -- Volume 972, pp. 98-106, EXOTIC NUCLEI AND NUCLEAR/PARTICLE ASTROPHYSICS (II): Proceedings of the Carpathian Summer School of Physics, Sinaia, Romania, August 20-31, 2007; DOI:10.1063/1.2870482, ISBN: 978-0-7354-0490-8
237. *The ALICE experiment at the CERN LHC*
 The **ALICE Collaboration**,
 Journal of Instrumentation, Volume 3, Number 08, JINST 3 S08002(August 2008)
238. *The homogeneous method of energy calibration of CSI CHIMERA detectors*
 A.Grzeszczuk, K.Schmidt, F.Amorini, A.Anzalone, L.Auditore, **I.Berceanu**, A.Benisz, J.Borgensztajn (Blicharska), J.Brzychczyk, G.Cardella, S.Cavallaro, M.B. Chatterjee, E.DeFilippo, E.Geraci, P.Guazzoni, L.Grassi, S.Kowalski, E.La Guidara, G.Lanzalone, I.Lombardo, C.Maiolino, A.Pagano, M.Papa, E.Piasecki, S.Pirrone, R.P!aneta, G.Politi, **A.Pop**, F.Porto, F.Rizzo, K.Siwek- Wilczynska, I. Skwira, A.Suchocka, M.L.Sperduto, A.Trifiro, M.Trimarchi, M.Vigilante, G.Verde, J.Wilczynski, L.Zetta, W.Zipper
 LNS ACTIVITY REPORT 2008, Editor:Gaetano Agnello,
http://www.lns.infn.it/index.php?option=com_docman&Itemid=164
239. *High efficiency TRD for CBM in test beam and simulation*
 M. Klein-Boesing, J.P. Wessels, **M. Petris**, **M. Petrovici**, **V. Simion**, F. Uhlig
 CBM Progress Report 2007 (2008), p. 41, ISBN 978-3-9811298-5-4
240. *Position resolution of a high efficiency Transition Radiation Detector for high counting rate environment*
 M. Klein-Boesing, A. Andronic, **D. Bartos**, **I. Berceanu**, **V. Catanescu**, C. Garabatos, N. Heine, **A. Herghelegiu**, C. Magureanu, D. Moisa, **M. Petris**, **M. Petrovici**, **A. Radu**, **V. Simion**, F. Uhlig, J.P. Wessels, A Wilk
 Nuclear Instruments and Methods in Physics Research A , 585(2008), 83-87
241. *Searching for the onset of deconfinement at FAIR: The CBM experiment.*
 By **CBM Collaboration** (Volker Friese for the collaboration). 2008. 6pp.

Published in PoS CONFINEMENT8:123,2008.;
[http://www.slac.stanford.edu/spires/find/hep/www?
rawcmd=FINN+CN+CBM&FORMAT=WWW&SEQUENCE](http://www.slac.stanford.edu/spires/find/hep/www?rawcmd=FINN+CN+CBM&FORMAT=WWW&SEQUENCE)

242. *The Compressed Baryonic Matter experiment at FAIR: Physics of strangeness and charm, status of preparations.*
By **CBM Collaboration** (J.M. Heuser for the collaboration). 2008. 6pp,
[http://www.slac.stanford.edu/spires/find/hep/www?
rawcmd=FINN+CN+CBM&FORMAT=WWW&SEQUENCE](http://www.slac.stanford.edu/spires/find/hep/www?rawcmd=FINN+CN+CBM&FORMAT=WWW&SEQUENCE)=
Published in J.Phys.G35:044049,2008,
243. *Self-consistent description of exotic structure and decay near $N=Z$ line,*
A. Petrovici,
Int. Journal of Modern Physics E, Vol.17, Supplement (2008) 219
244. *Structure of $A=82$ analogs and isospin-symmetry-breaking effects on superallowed Fermi beta decay,*
A. Petrovici, K.W. Schmid, **O. Radu**, A. Faessler,
Phys. Rev. C 78 (2008) 064311
245. *Gamow-Teller beta decay of ^{74}Kr in a self-consistent approach,*
A. Petrovici, K.W. Schmid, **O. Radu**, A. Faessler,
Nuclear Physics A 799 (2008) 94
246. *Gamow-Teller beta decay of proton-rich Kr isotopes in a self-consistent approach*
A. Petrovici,
Nucl. Phys. A 805 (2008) 397
247. *Beyond Mean Field Description of the Gamow-Teller Beta-Decay of Proton-Rich Kr Isotopes,*
A. Petrovici,
AIP Conference Proceedings 972 (2008) 61
248. *Self-Consistent Approach to the Gamow-Teller Beta Decay of ^{72}Kr ,*
A. Petrovici, K.W. Schmid, **O. Radu**, A. Faessler,
Phys. Rev. C 78 (2008) 044315
249. *Dynamical break-up in the $^{124}\text{Sn} + ^{64}\text{Ni}$ system at 35MeV/nucleon*
M.Papa, 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, E. DeFilippo, R. Dayras, M. DiToro, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, M. Iacono-Manno, S. Kowalski, E. LaGuidara, G. Lanzano, G. Lanzalone, J. Lukasik, C. Maiolino, Z. Majka, N. LeNeindre, A. Pagano, **M. Petrovici**, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, **A. Pop**, F. Porto, F. Rizzo, E. Rosato, S. Russo, P. Russotto, M. Sassiv, K. Schmidt, K. Siwek-Wilczynska, I. Skwira-Chalot, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, M. Vigilante, J.P. Wieleczko, J. Wilczynski, L. Zetta, W. Zipper
Nuclear Phys. A 805, p. 507-509 (2008)
250. *Soft physics in ALICE*
Christian Kuhn (for the **ALICE Collaboration** (full author list in J. Phys. G: Nucl. Part.

- Phys. 35 (2008) 049801)))
 J. Phys. G: Nucl. Part. Phys. 35 (2008) 044044
251. *Study of Lambda(1520) production in pp simulated interactions at 14 TeV with the ALICE detector*
 Paraskevi Ganoti (for the **ALICE Collaboration**(full author list in J. Phys. G: Nucl. Part. Phys. 35 (2008) 049801)))
 J. Phys. G: Nucl. Part. Phys. 35 (2008) 044059
252. *Measurement of the in-medium K0 inclusive cross section in pi- -induced reactions at 1.15 GeV/c*
 FOPI Collaboration ... **M. Petrovici, V. Simion**
 arXiv:0807.3361 (July 2008)
253. *Position resolution of a high efficiency Transition Radiation Detector for high counting rate environment*
 M.Klein-Boesing,A.Andronic,**D.Bartos,I.Berceanu,V.Catanescu,C.Garabatos,N Heine,A.Hergelegiu,C.Magureanu,D.Moisa,M.Petris,M.Petrovici,A.Radu,V.Simion,F.Uhlig,S.P.Wessels,A.Wilk**
 Nucl.Instr.and Meth.in phys.res. A 585(2008)83
254. *Study of the ALICE performance for the measurement of beauty production*
 Julien Faivre (for the **ALICE Collaboration**(full author list in J. Phys. G: Nucl. Part. Phys. 35 (2008) 049801 (9pp))
 Bucharest,Romania,NIPNE:C.Aiftimiei,**V.Catanescu,C.I.Legrand,M.Petrovici,A.Pop,C.Schiaua,and V.Simion**)
 J. Phys. G: Nucl. Part. Phys. 35 (2008) 044047 (6pp)
255. *A high-efficiency Transition Radiation Detector for high-counting-rate environments*
Petrovici M, Petris M, Berceanu I,V.Simion et al.
 Nuclear Instruments and Methods in Physics Research A 579 (2007) 961-966
256. *ALICE potential for heavy-flavour physics*
 Gines Martinez Garcia (for the **ALICE Collaboration**(full author list in J. Phys. G: Nucl. Part. Phys. 34 (2007) S1153 S1161))Bucharest, Romania, NIPNE:
 C.Aiftimiei,**V.Catanescu,C.I.Legrand, M.Petrovici, A.Pop, C.Schiaua and V.Simion**)
 J. Phys. G: Nucl. Part. Phys. 34 (2007) S943-S946
257. *Electron/pion identification with fast TRD prototypes*
 A. Andronic, H. Appelshaeuser, V. Bebkina, P. Braun-Munzinger, **V. Catanescu**, S. Chernenko, C. Garabatos, S. Golovatyuk, M. Hartig, J. Hehner, **A. Herghelegiu**, M. Kalisky, M. Klein-Boesing, D. Kresan, C. Lippmann, D. Miskowiec, W. Niebur, D. Moisa, **M. Petris, M. Petrovici, A. Radu**, C. J. Schmidt, **V. Simion**, R.S. Simon, I. Rusanov, H.K. Soltveit, J. Stachel, F. Uhlig, J.P. Wesseles, A. wilk, Yu. Zanevsky, V. Zryuev CBM Progress Report 2006(2007), p. 35, ISBN: 978-3-9811298-1-6
258. *Heavy-ion physics with ALICE*
 Federico Antinori (for the **ALICE Collaboration** (full author list in J. Phys. G: Nucl. Part. Phys. 34 (2007) S1153-S1161))Bucharest,Romania, NIPNE:
 C.Aiftimiei,**V.Catanescu,C.I.Legrand, M.Petrovici, A.Pop, C.Schiaua and V.Simion**
 J. Phys. G: Nucl. Part. Phys. 34 (2007) S511-S518

259. *High Counting Rate Position Sensitive Resistive Plate Counters*
M. Petrovici, M. Petris, V. Simion, D. Moisa, **D. Bartos, V. Catanescu**, N. Herrmann,
M. Ciobanu, K.D. Hildenbrand, A. Schuetauff
CBM Progress Report 2006(2007), p. 43, ISBN: 978-3-9811298-1-6
260. *High counting rate transition radiation detector*
Mariana Petris, Mihai Petrovici, Victor Simion, Ionela Berceanu, Dorin Moisa
Nuclear Instruments and Methods in Physics Research A 581 (2007) 406-409
261. *High efficiency Transition Radiation Detectors for high counting rate environments*
M. Petrovici, M. Petris, I. Berceanu, V. Simion, D. Moisa, **A. Radu, D. Bartos, V. Catanescu, A Herghelegiu**, C. Magureanu, M. Hoppe, J.P. Wessels, A. Andronic, C. Garabatos, R. Simon, F. Uhlig
CBM Progress Report 2006(2007), p. 37, ISBN: 978-3-9811298-1-6
262. *Isospin dependence of relative yields of K^+ and K^0 mesons at 1.528A GeV*
Lopez X, Kim YJ, Herrmann N, Andronic A, Barret V, Basrak Z, Bastid N,
Benabderrahmane ML, Caplar R, Cordier E, Crochet P, Dupieux P, Dzelalija M,
Fodor Z, Gasparic I, Grishkin Y, Hartmann ON, Hildenbrand KD, Hong B, Kang TI,
Kecskemeti J, Kirejczyk M, Kis M, Koczon P, Korolija M, Kotte R, Lebedev A,
Leifels Y, Merschmeyer M, Neubert W, Pelte D, **Petrovici M**, Rami F, Reisdorf W,
Ryu MS, Schuttauf A, Seres Z, Sikora B, Sim KS, **Simion V**, Siwek-Wilczynska K,
Smolyankin V, Stoicea G, Tyminski Z, Wagner P, Wisniewski K, Wohlfarth D, Xiao
ZG, Yushmanov I, Zhang XY, Zhilin A, Ferini G, Gaitanos T
Physical Review C 75 (1): Art. No. 011901 JAN 2007
263. *K^0 and Lambda production in Ni+Ni collisions near threshold*
Merschmeyer M, Lopez X, Bastid N, Crochet P, Herrmann N, Andronic A, Barret V,
Basrak Z, Benabderrahmane M.L., Caplar R, Cordier E, Dupieux P, Dzelalija M, Fodor
Z, Gasparic I, Grishkin Y, Hartmann ON, Hildenbrand KD, Hong B, Kang TI,
Kecskemeti J, Kim YJ, Kirejczyk M, Kis M, Matulewicz T, Koczon P, Korolija M,
Kotte R, Lebedev A, Leifels Y, Mangiarotti A, Pelte D, **Petrovici M**, Rami F,
Reisdorf W, Ryu MS, Schuttauf A, Seres Z, Sikora B, Sim KS, **Simion V**, Siwek-
Wilczynska K, Smolyankin V, Stoicea G, Tyminski Z, Wisniewski K, Xiao Z.G., Xu
HS, Yushmanov I, Zhang XY, Zhilin A
PHYSICAL REVIEW C 76 (2): Art. No. 024906 AUG 2007
264. *PHOS, the ALICE-PHOton spectrometer*
D. C. Zhou (for the **ALICE Collaboration** (full author list in J. Phys. G: Nucl. Part.
Phys. 34 (2007) S1153-S1161) Bucharest, Romania, NIPNE: C.Aiftimiei, **V.Catanescu**,
C.I.Legrand, **M.Petrovici, A.Pop, C.Schiaua and V.Simion**)
J. Phys. G: Nucl. Part. Phys. 34 (2007) S719-S723
265. *Proton-proton physics in ALICE*
Tapan K. Nayak (for the **ALICE Collaboration**(full author list in J. Phys. G: Nucl. Part.
Phys. 34 (2007) S1153-S1161) Bucharest, Romania, NIPNE: C.Aiftimiei, **V.Catanescu**,
C.I.Legrand, **M.Petrovici, A.Pop, C.Schiaua and V.Simion**)
J. Phys. G: Nucl. Part. Phys. 34 (2007) S783-S787

266. *Results on timing properties of SCCVD diamond detectors for MIPs*
M. Petrovici, M. Petris, G. Caragheorghopol, V. Simion, D. Moisa
 CBM Progress Report 2006, p. 27, ISBN: 978-3-9811298-1-6
267. *Systematics of pion emission in heavy ion collisions in the 1 A GeV regime*
 Reisdorf W , Stockmeier M , Andronic A , Benabderrahmane ML , Hartmann ON ,
 Herrmann N , Hildenbrand KD , Kim YJ , Kis M , Koczon P , Kress T , Leifels Y , Lopez
 X , Merschmeyer M , Schuttauf A , Barret V , Basrak Z , Bastid N , Caplar R , Crochet P ,
 Dupieux P , Dzelalija M , Fodor Z , Grishkin Y , Hong B , Kang TI , Kecskemeti J ,
 Kirejczyk M , Korolija M , Kotte R , Lebedev A , Matulewicz T , Neubert W , **Petrovici**
M , Rami F , Ryu MS , Seres Z , Sikora B , Sim KS , **Simion V** , Siwek-Wilczynska K ,
 Smolyankin V , Stoicea G , Tyminski Z , Wisniewski K , Wohlfarth D , Xiao ZG , Xu
 HS , Yushmanov I , Zhilin A
 NUCLEAR PHYSICS A 781 (3-4): 459-508 JAN 15 2007
268. *A high-efficiency Transition Radiation Detector for high-counting-rate environments*
M. Petrovici, M. Petriş, I. Berceanu, V. Simion, D. Bartoş, V. Cătănescu, A.
Herghelegiu, C. Măgureanu, D. Moisă, A. Radu, M. Klein-Bösing, J.P. Wessels, A.
 Wilk, A. Andronic, C. Garabatos, R. Simon and F. Uhlig
 Nuclear Instruments and Methods in Physics Research Section A: Accelerators,
 Spectrometers, Detectors and Associated Equipment Volume 579, Issue 3, 11 September
 2007, Pages 961-966
269. *In-medium effects and dilepton emission in heavy-ion collisions at SIS energies*
M.D. Cozma, E. Santini, C. Fuchs, B.V. Martemyanov, M.I. Krivoruchenko and A.
 Faessler
 Proceedings of Science, CPOD07:036, 2007
270. *Two-pion exchange contributions to the relativistic NN kernel: Peripheral scattering*
M.D. Cozma, O. Scholten, R.G.E. Timmermans and J.A. Tjon
 Physical Review C, Volume 75, 014006 (2007)
271. *A HIGH EFFICIENCY TRANSITION RADIATION DETECTOR FOR HIGH COUNTING
 RATE ENVIRONMENTS*
M.Petrovici, M.Petris, I.Berceanu, V.Simion, D.Bartos, V.Catanescu, A.Herghelegiu,
 C.Magureanu, D.Moisa, **A. Radu, M.Klein-Bosing, J.P.Wessels, A.Wilk, A.Andronic,**
 C.Garabatos, R.Simon, F.Uhlig
 Nuclear Instr. and Meth. A579 (2007), pg.961-966, 2007
272. *ELECTRON/PION IDENTIFICATION WITH FAST TRD PROTOTYPES*
 A.Andronic, H. Appelshauser, V.Babkin, P.Braun-Munzinger, **V.Catanescu,**
 S.Chernenko, C.Garabatos, S.Golovatyuk, M.Hartig, J.Hehner, A.Herghelegiu,
 M.Kalisky, M.Klein-Bosing, D.Kresan, C.Lippmann, D.Miskowiec, W.Niebur, D.Moisa,
M.Petris, M.Petrovici, A.Radu, A.J.Schmidt, V.Simion, R.S.Simon, I.Rusanov,
 H.K.Soltveit, J.Stachel, F.Uhlig, J.P.Wessels, A.Wilk, Yu.Zanevsky, V.Zryuev
 CBM Progress Report 2006(2007), pg35 ISBN: 978-3-9811298-1-6
273. *Event-by-event fluctuation studies in the ALICE experiment*
 C.Zampolli (for the **ALICE Collaboration**)
 European Physics Journal C 49 (2007) 309-314

274. *Perspectives for the measurement of beauty production via semileptonic decays in ALICE*
R.Turrisi (for the **ALICE Collaboration**)
Acta Physica Polonica B 38 (2007) 1039-1046
275. *Study of the ALICE performance for the measurement of beauty via the electron decay channel*
M.Lunardon (for the **ALICE Collaboration**)
European Physics Journal C 49 (2007) 163-167
276. *Amplified radio emission from cosmic ray air showers in thunderstorms.*
LOPES Collaboration (S. Buitink et al.)
Astron.Astrophys.467 (2007) 385-394
277. *Measurements of cosmic ray muons performed with WILLI detector: Status and perspectives.*
B. Mitrica et al.
AIP Conf.Proc.899 (2007) 131-132
278. *Radio detection of cosmic ray air showers with LOPES.*
LOPES Collaboration (T. Huege et al.)
Braz.J.Phys.36 (2006) 1157-1164, Nucl.Phys.Proc.Suppl.165 (2007) 341-348
279. *Radio Emission in Atmospheric Air Showers: First Measurements with LOPES-30.*
LOPES Collaboration (P.G. Isar et al.)
J.Phys.Conf.Ser.81 (2007) 012006
280. *Radio emission in atmospheric air showers: Results of LOPES-10.*
LOPES Collaboration (A. Haungs et al.)
J.Phys.Conf.Ser.81 (2007) 012005
281. *Radio emission of highly inclined cosmic ray air showers measured with LOPES.*
J. Petrovic et al.
Astron.Astrophys.462 (2007) 389-395
282. *Status of the KASCADE-Grande experiment.*
F. Di Pierro et al.
Nucl.Phys.Proc.Suppl.165 (2007) 289-293
283. *The knee of cosmic rays: News from KASCADE.*
H. Ulrich et al.
AIP Conf.Proc.928 (2007) 31-38
284. *A high efficiency Transition Radiation Detector for high counting rate environments*
M. Petrovici, M. Petris, I. Berceanu, V. Simion, D. Moisa, A. Radu, D. Bartos, V. Catanescu, A. Herghelegiu, C. Magureanu, M. Klein-Bosing, J. P. Wessels, A. Wilk, A. Andronic, C. Garabatos, R. Simon, F. Uhling
Nucl. Instruments and Methods in Phys. Research A 579, pages 961 - 966, 2007
285. *Dynamical break-up in the $124\text{Sn} + 64\text{Ni}$ system at 35MeV/nucleon*
M.Papa, 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, E. DeFilippo, R. Dayras, M. DiToro, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P.

- Guazzoni, D. Guinet, M. Iacono-Manno, S. Kowalski, E. LaGuidara, G. Lanzano, G. Lanzalone, J. Lukasik, C. Maiolino, Z. Majka, N. LeNeindre, A. Pagano, **M. Petrovici**, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, **A. Pop**, F. Porto, F. Rizzo, E. Rosato, S. Russo, P. Russotto, M. Sassi, K. Schmidt, K. Siwek-Wilczynska, I. Skwira-Chalot, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, G. Vannini, G. Verde, M. Vigilante, J.P. Wieleczko, J. Wilczynski, L. Zetta, W. Zipper
Phys. Rev. C, Volume 75, Art. No. 054616, Pages 054616-1 - 054616-13, (May 2007)
286. *High counting rate Transition Radiation Detectors*
M. Petris, M. Petrovici, V. Simion, I. Berceanu, D. Moisa
Nucl. Instr. and Methods in Physics Research A 581, pages 406 - 409 (2007)
287. *A high-efficiency Transition Radiation Detector for high-counting-rate environments*
M. Petrovici, M. Petris, I. Berceanu, V. Simion, D. Bartos, V. Catanescu, A. Herghelegiu, C. Magureanu, D. Moisa, **A. Radu**, M. Klein-Boesing, J.P. Wessels, A. Wilk, A. Andronic, C. Garabatos, R. Simon, F. Uhlig
Nuclear Instruments and Methods in Physics Research A 579(2007), 961-966
288. *High counting rate transition radiation detector*
M. Petris, M. Petrovici, V. Simion, I. Berceanu, D. Moisa
Nuclear Instruments and Methods in Physics research A 581(2007), 406 – 409
289. *A high efficiency Transition Radiation Detector for high counting rate environments*
M. Petrovici, V. Simion, M. Petris, D. Moisa, **A. Radu**, A. Andronic, **D. Bartos, I. Berceanu, V. Catanescu, A. Herghelegiu**, C. Magureanu, NIPNE-Bucharest, M. Klein Bosing, A. Wilk, J.P. Wessels, C. Garabatos, R. Simon, F. Uhlig, University of Munster
CBM Progress Report 2006- www.gsi.de/documents/soc-2007-Mar-137-1.pdf
290. *Beyond mean field approaches and exotic nuclear structure phenomena, In: Proceedings of the Collective Motion and Phase Transitions in Nuclear Systems*,
Eds. A.A. Raduta, V. Baran, I.I. Ursu, **A. Petrovici**,
World Scientific, p.235, 2007
291. *A front-end electronics card comprising a high Gain/High bandwidth amplifier and a fast discriminator for time-of-flight measurements*
Ciobanu M, Schuttauf A, Cordier E, Herrmann N, Hildenbrand KD, Kim YJ, Leifels Y, Marquardt M, Kis M, Koczon P, Lopez X, **Petrovici M**, Weinert J, Zhang XJ
IEEE TRANSACTIONS ON NUCLEAR SCIENCE 54 (4): 1201-1206 Part 3, AUG 2007
292. *A high-efficiency Transition Radiation Detector for high-counting-rate environments*
Petrovici M, Petris M, Berceanu I, et al.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 579 (3): 961-966 SEP 11 2007
293. *Dynamical multi-breakup processes in the Sn-124+Ni-64 system at 35 MeV/nucleon*
Papa M, Amorini F, Anzalone A, Auditore L, Baran V, **Berceanu I**, Blicharska J, Brzychczyk J, Bonasera A, Borderie B, Bougault R, Cardella G, Cavallaro S, Chatterjee MB, Chbihi A, Colonna M, Dayras R, De Filippo E, Di Toro M, Frankland J, Galichet E, Gawlikowicz W, Geraci E, Giuliani G, Giustolisi F, Grzeszczuk A,

- Guazzoni P , Guinet D , Iacono-Manno M , , Kowalski S , La Guidara E, Lanzalone G , Lanzano G , Maiolino C , Majka Z , Le Neindre N , Pagano A , **Petrovici M** , Piasecki E, Pirrone S , Planeta R , Politi G , **Pop A** , Porto F Rizzo F , Rosato E , Russo S , Russotto P , Sassi M , Schmidt K , Siwek-Wilczynska K , Skwira I , Sochocka A , Swiderski L , Trifiro A , Trimarchi M , Vannini G , Verde G , Vigilante M , Wieleczko JP , Wilczynski J , Zetta L , Zipper W
 PHYSICAL REVIEW C 75 (5): Art. No. 054616 MAY 2007
294. *Systematics of pion emission in heavy ion collisions in the 1A GeV regime*
 W. Reisdorf, M. Stockmeier, A. Andronic A, M.L. Benabderrahmane, O.N. Hartmann, N. Herrmann, K.D. Hildenbrand, Y.J. Kim, M. Kis, P. Koczon, T. Kress, Y. Leifels, X. Lopez, M. Merschmeyer, A. Schuttauf, V. Barret², Z. Basrak, N. Bastid², R. Caplar, P. Crochet², P. Dupieux², M. Dzelalija, Z. Fodor, Y. Grishkin, B. Hong, T.I. Kang, J. Kecskemeti, M. Kirejczyk, M. Korolija, R. Kotte, A. Lebedev, T. Matulewicz, W. Neubert, **M. Petrovici**, F. Rami¹, M.S. Ryu, Z. Seres, B. Sikora, K.S.Sim, **V. Simion**, K. Siwek-Wilczynska, V. Smolyankin, G. Stoicea, Z. Tyminski, K. Wisniewski, D. Wohlfarth, Z.G. Xiao, H.S. Xu, I. Yushmanov, A. Zhilin
 Nuclear Physics A, Volume 781, Pages 459-508 (2007)
295. *OPEN CHARM RECONSTRUCTION IN ALICE: $D^{+-} \rightarrow K^{-}\pi^{+}\pi^{+}$*
 Elena Bruna (for the **ALICE Collaboration** (full author list in International Journal of Modern Physics E, Vol. 16, No. 7 & 8 (2007) xlii-lxii))
 International Journal of Modern Physics E, Vol. 16, No. 7 & 8 (2007) 2097-2102
296. *Quarkonia measurements with the central detectors of alice wolfgang sommer, christoph blume and frederick kramer, jan fiete grosse-oetringhaus (for the ALICE Collaboration, (full author list in International Journal of Modern Physics E, Vol. 16, No. 7 & 8 (2007) xlii-lxii))*
 International Journal of Modern Physics E, Vol. 16, Nos. 7 & 8 (2007) 2484-2490
297. *ALICE perspectives for the study of charm and beauty energy loss at the LHC*
 A. Dainese for **ALICE Collaboration**
 Eur.Phys.J.C49:135-141,2007
298. *ALICE potential for heavy-flavour physics*
 Gines Martinez Garcia (for the **ALICE Collaboration**(full author list in J.Phys. G:Nucl. Part. Phys. 34 (2007) S1153-S1161))
 J.Phys.G34:S943-S946,2007
299. *Anisotropic flow from RHIC to the LHC*
 R. Snellings for the STAR and **ALICE Collaborations**
 Eur.Phys.J.C49:87-90,2007
300. *Electroweak boson detection in the ALICE muon spectrometer*
 Z. Conesa del Vale for **ALICE Collaboration**
 Eur.Phys.J.C49:149-154,2007
301. *Examples of soft physics observables in the ALICE experiment*
 A. Mastroserio on behalf of the **ALICE Collaboration**
 Acta Phys.Polon.B38:1009-1016,2007

302. *First physics with ALICE*
C. Jorgensen for the **ALICE Collaboration**
Acta Phys.Polon.B38:1001-1007,2007
303. *Hard probes capabilities of ALICE: Jets and photons*
A. Morsch for the **ALICE Collaboration**
Nucl.Phys.A783:427-434,2007
304. *Heavy-ion physics with ALICE*
Federico Antinori (for the **ALICE Collaboration** (full author list in J.Phys.G: Nucl. Part. Phys. 34 (2007) S1153-S1161))
J.Phys.G34:S511-518,2007
305. *Jet physics in ALICE*
M. Lopez Noriega for **ALICE Collaboration**
Eur.Phys.J.C49:315-319,2007
306. *Open heavy flavour detection in ALICE*
M. Lunardon for the **ALICE Collaboration**
Nucl.Phys.Proc.Suppl.167:73-76,2007
307. *Perspectives for the measurement of beauty production via semileptonic decays in ALICE*
R. Turrisi for the **ALICE Collaboration**
Acta Phys.Polon.B38:1039-1046,2007
308. *PHOS, the ALICE-PHOnon Spectrometer*
D.C. Zhou (for the **ALICE Collaboration** (full author list in J.Phys.G: Nucl. Part. Phys. 34 (2007) S1153-S1161))
J.Phys.G34:S719-S723,2007
309. *Physics with ALICE transition radiation detector*
K. Oyama for the **ALICE Collaboration**
Acta Phys.Polon.B38:1017-1024,2007
310. *Progress of the ALICE experiment*
E. Nappi on behalf of the **ALICE Collaboration**
Acta Phys.Polon.B38:313-326,2007
311. *Short-lived resonances in ALICE: Reconstruction of $K^*(892)^0$ and $\Lambda(1520)$ signals in p - p and Pb - Pb collisions*
A. Badala et. al. on behalf of the **ALICE Collaboration**
Acta Phys.Polon.B38:1025-1030,2007
312. *The ALICE experiment at LHC*
C. Kuhn for **ALICE Collaboration**
Nucl.Phys.A787:19-28,2007
313. *The physics programme of the ALICE experiment at the LHC*
M. Monteno for the **ALICE Collaboration**
Nucl.Phys.A782:283-290,2007
314. *Isoscaling in neck fragmentation*
E. De Filippo and the **CHIMERA** collaboration, **I. Berceanu, M. Petrovici, A. Pop, V.**

Simion

- ACTA PHYSICA POLONICA Volume B 37 (1) , Pages: 199-205, (January 2006)
315. *Isospin effects studied with the chimera detector at 35 MeV/nucleon*
R. Planeta and the **CHIMERA** collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
ACTA PHYSICA POLONICA Volume B 37 (1) , Pages: 183-191, (January 2006)
316. *Nonstatistical fluctuations for deep inelastic processes in Al-27+Al-27 collisions*
Berceanu I , Duma M , Moisa D , **Petrovici M** , **Pop A** , **Simion V** , Del Zoppo A , d-Erasmo G , Imme G , Lanzano G , Pagano A , Pantaleo A , Raciti G
PHYSICAL REVIEW C 74 (2): Art. No. 024601 AUG 2006
317. *Performance of the multistrip-MRPCs for FOPI*
Schuttauf A , Hildenbrand KD) , Ciobanu M , Cordier E , Herrmann N , Kim YJ , Kis M , Koczon P , Leifels Y , **Petrovici M** , **Simion V**
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS 158: 52-55 AUG 2006
318. *(Di)lepton physics with ALICE*
P. Crochet (for the **ALICE Collaboration** (full author list in Nucl.Phys.A774,2006:929-937))
Nucl.Phys.A774:915-918,2006
319. *ALICE: Physics Performance Report, Volume II*
ALICE Collaboration et al
J. Phys. G: Nucl. Part. Phys. 32 1295-2040 doi:10.1088/0954-3899/32/10/001
320. *The ALICE forward multiplicity detector*
R. Bailhache and C. Lippmann for **ALICE Collaboration**
Nucl.Instrum.Meth.A563:310-313,2006
321. *Dilepton production at HADES: Theoretical predictions*
M.D. Cozma, C. Fuchs, E. Santini and A. Fassler
Physics Letters B, Volume 640, Pages 170-175 (2006)
322. *Influence of in-medium properties of vector mesons on dilepton production in heavy ion collisions at SIS energies*
M.D. Cozma, E. Santini, C. Fuchs, A. Faessler, B.V. Martemyanov and M.I. Krivoruchenko
Acta Physica Hungarica, Volume A27, Pages 441-449 (2006)
323. *ANALYSIS OF THE ELECTRON/PION SEPARATION CAPABILITY WITH REAL SIZE ALICE TRD PROTOTYPES USING A NEURAL NETWORK ALGORITHM*
A.Wilk, for the **ALICE TRD Collaboration**
Nucl. Instrum. Meth. A563 (2006), Issue 2, pg. 314- 316, 2006
324. *DESIGN AND PERFORMANCE OF THE ALICE TRD FRONT_END ELECTRONICS*
V.Angelov for the **ALICE TRD Collaboration**
Nuclear Instr. and Meth. A653(2006), pg. 317-320, 2006
325. *Dielectron physics with ALICE Transition Radiation Detector*
P. Shukla (for the **ALICE TRD Collaboration**)
J. Phys. G, Conference Series 50(2006), pg. 393-396, 2006

326. *HIGH EFFICIENCY TRANSITION RADIATION DETECTORS FOR HIGH RATE ENVIRONMENTS*
M.Petrovici, V.Simion, M.Petris, D.Moisa, A.Radu, D.Bartos, I.Berceanu, V.Catanescu, A.Herghelegiu, C.Magureanu, M.Klein, A.Wilk, J.P.Wessels
 GSI Scientific Report, GSI 2006-1 August(2006), pg.67
327. *NEW TEST BEAM RESULTS WITH PROTOTYPES OF THE ALICE TRD*
 R. Bailhach, C. Lippmann, GSI Darmstadt, Germany, for the **ALICE TRD Collaboration**
 Nucl. Instrum. Meth. A563 (2006), Issue 2, pg. 310- 313, 2006
328. *TRANSITION RADIATION SPECTRA OF ELECTRONS FROM 1 TO 10 GEV/C IN REGULAR AND IRREGULAR RADIATORS*
 A.Andronic, H.Appelshausser, R.Bailhache, C.Bauman, P.Braun-Munzinger, D.Bucher, O.Busch, **V.Catanescu**, S.Chernenko, P.Christakoglou, O.Fateev, S.Freung, C.Garabatos, H.Gottschlang, T.Gunji, H.Hamagaki, N.Hermann, M.Hoppe, V.Lindenstruth, C.Lippmann, Y.Morinoh, Yu.Panebratsev, A.Petridisf, **M.Petrovici**, I.Rusanov, A.Sandoval, S.Saitoh, R.Schicker, H.K.Soltveit, J.Stachel, H.Stelzer, M.Vassiliou, B.Vulpescu, J.Wessels, A.Wilke, B.Windelband, Y.Zanevsky, V.Yurevich
 Nucl.Instrum.Meth A558 (2006), pg.516-525, 2006
329. *Development of a single crystal CVD-diamond detectors for spectrometry and timing*
 M.Pomorski, E.Berdermann, **G.Caragheorghopol** et al (8 autori)
 Physica Status Solidi(A) 203, No 12, p3152-3160 (2006)
330. *Comparison of measured and simulated lateral distributions for electrons and muons with KASCADE*
 Apel, WD; Badea, AF; Bekk, K; **Bercuci, A**; Blumer, J; Bozdog, H; Brancus, IM; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, A; Risse, M; Roth, M; Schatz, G; Schieler, H; Ulrich, H; van Buren, J; Vardanyan, A; Weindl, A; Wochele, J; Zabierowski, J
 ASTROPARTICLE PHYSICS, 24 (6): 467-483 JAN 2006
331. *Experimentally guided Monte Carlo calculations of the atmospheric muon and neutrino flux*
 Mitrica, B; Brancus, IM; Rebel, H; Wentz, J; **Bercuci, A**; Toma, C; Aiftimiei, C; Duma, M
 NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 151: 295-298 JAN 2006
332. *Investigation of hadronic interaction models with the KASCADE experiment*
 Milke, J; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, A; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; van Buren, J; Vardanyan, A; Weindl, A; Wochele, J; Zabierowski, J
 NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 151: 469-472 JAN 2006

333. *Investigation of the pseudorapidity and momentum of muons in EAS with the KASCADE muon tracking detector*
 Zabierowski, J; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Buttner, C; Brancus, IM; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, A; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; van Buren, J; Vardanyan, A; Weindl, A; Wochele, J
 NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 151: 291-294 JAN 2006
334. *KASCADE: Astrophysical results and tests of hadronic interaction models*
 Haungs, A; Antoni, T; Apel, WD; Badea, AF; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Heck, D; Horandel, JR; Kampert, KH; Klages, HO; Maier, C; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, A; Risse, M; Roth, A; Schatz, C; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; van Buren, J; Vardanyan, A; Weindl, A; Wochele, J; Zabierowski, J
 NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 151: 167-174 JAN 2006
335. *On the influence of cross sections and elasticities of hadronic interactions on air shower observables*
 Horandel, JR; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Bertaina, A; Blumer, J; Bozdog, H; Brancus, IM; Bruggemann, M; Buchholz, P; Buttner, C; Chiavassa, A; Daumiller, K; Di Pierro, F; Doll, P; Engel, R; Engler, J; Fessler, F; Ghia, PL; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Kampert, KH; Klages, HO; Kolotaev, Y; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Mitrica, B; Morello, C; Muller, M; Navarra, G; Obenland, R; Oehlschlager, J; Ostapchenko, S; Over, S; Petcu, A; Plewnia, S; Rebel, H; Risse, A; Roth, M; Schieler, H; Scholz, J; Stumpert, M; Thouw, T; Toma, G; Trincherro, TCG; Ulrich, H; Valchierotti, S; van Buren, J; Walkowiak, W; Weindl, A; Wochele, J; Zabierowski, J; Zagromski, S; Zimmermann, D
 NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 151: 205-208 JAN 2006
336. *Progress in Air Shower Radio Measurements: Detection of Distant Events*
LOPES Collaboration (W.D. Apel et al.)
 Astropart.Phys.26 (2006) 332-340
337. *Radio emission in air showers measured by LOPES-10 in coincidence with KASCADE-Grande observations*
 F. Badea et al.
 FZKA-7229, May 2006
338. *Radio Emission in Atmospheric Air Showers: Results of LOPES-10.*
LOPES Collaboration (A. Haungs et al.)
 astro-ph/0610553
339. *Radio emission of highly inclined cosmic ray air showers measured with LOPES*
LOPES Collaboration (Jelena Petrovic et al.)
 astro-ph/0604273

340. *Radio emission of highly inclined cosmic ray air showers measured with LOPES: Possibility for neutrino detection.*
LOPES Collaboration (J. Petrovic et al.)
 J.Phys.Conf.Ser.39 (2006) 471-474
341. *Recent Results from Cascade-Grande*
KASCADE-Grande Collaboration (Karl-Heinz Kampert et al.)
 astro-ph/0608340
342. *The longitudinal development of showers induced by high-energy hadrons in an iron-sampling calorimeter*
 Milke, J; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Bertaina, M; Blumer, H; Bozdog, H; Brancus, IM; Bruggemann, M; Buchholz, P; Buttner, C; Chiavassa, A; Daumiller, K; di Pierro, F; Doll, P; Engel, R; Engler, J; Fessler, F; Ghia, PL; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Kampert, KH; Klages, HO; Kolotaev, Y; Maier, G; Mathes, HJ; Mayer, HJ; Mitrica, B; Morello, C; Muller, M; Navarra, G; Obenland, R; Oehlschlager, J; Ostapchenko, S; Over, S; Petcu, M; Plewnia, S; Rebel, H; Risse, A; Roth, M; Schieler, H; Scholz, J; Stumpert, M; Thouw, T; Toma, G; Trinchero, GC; Ulrich, H; Valchierotti, S; van Buren, J; Walkowiak, W; Weindl, A; Wochele, J; Zabierowski, J; Zagromski, S; Zimmermann, D
 NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 151: 325-328 JAN 2006
343. *Dynamical fission in the Sn plus Ni interaction at 35A MeV*
 Russotto P, Piasecki E, Amorini F, A.Anzalone, L.Auditore, V.Baran, **I.Berceanu**, J.Blicharska, J.Brzychczyk, A.Bonasera, B.Borderie, R.Bougault, M.Bruno, G.Cardella, S.Cavallaro, M.B.Chatterjee, A.Chbihi, J.Cibor, M.Colonna, M.D Agostino, R.Dayras, M.Di Toro, E. de Filippo, 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, S.Li, S. Lo Nigro, C.Maiolino, 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, M.Sassi, K.Schmidt, K.Siwiek-Wilczynska, I.Skwira, M.L.Sperduto, J. C. Steckmeyer, L.Swidorski, A.Trifiro, M.Trimarchi, G.Vannini, M.Vigilante, J.P.Wieleczko, J.Wilczynski, H.Wu, Z.Xiao, L.Zetta, and W.Zipper
 INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS 15 (2): 410-416 MAR 2006
344. *Isoscaling in Neck Fragmentation*
 E. De Filippo, 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, 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. 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. Russotto, M. Sassi, K. Schmidt, K. Siwiek-Wilczynska, I. Skwira, M.L. Sperduto, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, G. Vannini, G. Verde, M. Vigilante, J.P. Wieleczko, J. Wilczynski, L. Zetta, W. Zipper
 Acta Physica Polonica B 37, p. 199-206, 2006

345. *Isospin effects studied with the chimera detector at 35 MeV/nucleon*
 R. Planeta, 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, E. DeFilippo, R. Dayras, M. DiToro, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, M. Iacono-Manno, S. Kowalski, E. LaGuidara, G. Lanzano, G. Lanzalone, J. Lukasik, C. Maiolino, Z. Majka, N. LeNeindre, N.G. Nicolis, 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. Russotto, M. Sassiv, K. Schmidt, K. Siwek-Wilczynska, I. Skwira-Chalot, A. Sochocka, M.L. Sperduto, L. Swiderski, A. Trifiro, M. Trimarchi, G. Vannini, G. Verde, M. Vigilante, J.P. Wieleczko, J. Wilczynski, L. Zetta, W. Zipper
 ACTA PHYSICA POLONICA B 37 (1): 183-191 JAN 2006
346. *ALICE: Physics Performance Report, Volume II*
ALICE Collaboration
 J. Phys. G: Nucl. Part. Phys. Volume 32, Issue 10, pp. 1295–2040, 2006
347. *Nonstatistical fluctuations for deep inelastic processes in Al-27+Al-27 collisions*
Berceanu I, Duma M, Moisa D, **Petrovici M**, **Pop A**, **Simion V**, Del Zoppo A, d-Erasmo G, Imme G, Lanzano G, Paganò A, Pantaleo A, Raciti G
 PHYSICAL REVIEW C Volume 74, Issue 2 Pages: 024601-1-024601-10 (August 2006)
348. *Analysis of the electron/pion separation capability with real size ALICE TRD prototypes using a neural network algorithm*
 A. Wilk for the **ALICE TRD Collaboration**
 Nucl. Instrum. Meth. A 563 (2006) 314
349. *Design and performance of the ALICE TRD front-end electronics*
 V. Angelov for the **ALICE TRD Collaboration**
 Nucl. Instrum. Meth. A 563 (2006) 317
350. *New test beam results with prototypes of the ALICE TRD*
 R. Bailhache, C. Lippmann for the **ALICE TRD Collaboration**
 Nucl. Instrum. Meth. A 563 (2006) 349
351. *High efficiency Transition Radiation Detector for high rate environments*
M. Petrovici, **V. Simion**, **M. Petris**, D. Moisa, **A. Radu**, **D. Bartos**, **I. Berceanu**, **V. Catanescu**, **A. Herghelegiu**, C. Magureanu, - NIPNE-Bucharest
 M. Hoppe, A. Wilk, J.P. Wessels, - University of Munster
 GSI-Scientific Rep 2005 GSI Report 2006, Aug 2006 p67
352. *The RPC First Level Muon Trigger in The Barrel Of The Atlas Experiment*
 S. Veneziano, **D. Bartos**, et al. [62 autori, ATLAS Collaboration]
 Nucl. Phys. Proc. Suppl. 158 (2006)
<http://sunrise.roma1.infn.it:16080/muon11/docs/publications/>
353. *Shape coexistence effects in 78Kr;*
A. Petrovici, K.W. Schmid, **O. Radu**, A. Faessler,
 J. Phys. G: Nucl. Part. Phys. 32(2006) 583
354. *Coulomb excitation of 78Kr;*
 F. Becker, **A. Petrovici**, J. Iwanicki, N. Amzal, W. Korten, K. Hauschild, A. Hurstel, Ch.

- Theisen, P.A. Butler, R.A. Cunningham, T. Czosnyka, G. de France, J. Gerl, P. Greenlees, K. Helariutta, R.-D. Herzberg, P. Jones, R. Julin, S. Juutinen, H. Kankaanpää, M. Muikku, P. Nieminen, **O. Radu**, P. Rahkila, Ch. Schlegel, Nucl. Phys. A 770(2006) 107
355. *Variational approach to magnetic bands in ^{82}Rb* ,
A. Petrovici, K.W. Schmid, **O. Radu**, A. Faessler,
Eur. Phys. J. A 28 (2006) 19.
356. *Exotic Nuclear Structure Phenomena in Medium Mass Nuclei*,
A. Petrovici,
Int. Journal of Modern Physics E15, No.7 (2006) 1477.
357. *Exotic Phenomena in Medium Mass Nuclei, in Proceedings of the Carpathian Summer School of Physics 2005, Exotic Nuclei and Nuclear/Particle Astrophysics*,
Eds. S. Stoica, L. Trache, R.E. Tribble, **A. Petrovici**,
World Scientific, p. 39, 2006
358. *ALICE: Physics Performance Report, Vol. II*
ALICE Collaboration
J. Phys. G: Nucl. Part. Phys. Volume 32, Pages 1295-2040 (2006)
359. *Design and performance of the ALICE TRD front-end electronics*
Venelin Angelov, for the **ALICE TRD Collaboration**
Nuclear Instruments and Methods A, Volume 563, Issue 2, Pages 317-320 (2006)
360. *Analysis of the electron/pion separation capability with real size ALICE TRD prototypes using a neural network algorithm*
Alexander Wilk, for the **ALICE TRD Collaboration**
Nuclear Instruments and Methods A, Volume 563, Issue 2, Pages 314-316 (2006)
361. *New test beam results with prototypes of the ALICE TRD*
R. Bailhach, C. Lippmann, GSI Darmstadt, Germany for the **ALICE TRD Collaboration**
Nuclear Instruments and Methods A, Volume 563, Issue 2, Pages 310- 313 (2006)
362. *Transition Radiation Spectra of Electrons from 1 to 10 GeV/c in Regular and Irregular Radiators*
Transition radiation spectra of electrons from 1 to 10 GeV/c in regular and irregular radiators
A. Andronic, H. Appelshöber, R. Bailhachea, C. Baumann, P. Braun-Munzinger, D. Bucher, O. Buscha, **V. Catanescu**, S. Chernenko, P. Christakoglou, O. Fateev, S. Freuen, C. Garabatos, H. Gottschlag, T. Gunjih, H. Hamagaki, N. Herrmann, M. Hoppe, V. Lindenstruth, C. Lippmann, Y. Morino, Yu. Panebratseva, A. Petridis, **M. Petrovici**, I. Rusanov, A. Sandoval, S. Saitoh, R. Schickel, H.K. Soltveit, J. Stachel, H. Stelzner, M. Vassiliou, B. Vulpescu, J.P. Wessels, A. Wilk, V. Yurevich, Yu. Zanevsky for the ALICE collaboration
Nuclear Instruments and Methods A, Volume 558, Issue 2, Pages 516-525 (2006)
363. *Charged pion production in $^{96}(44)\text{Ru} + ^{96}(44)\text{Ru}$ collisions at 400A and 1528A MeV*
B. Hong and the FOPI - Collaboration, **M. Petrovici**, **V. Simion**, G. Stoicea
Physical Review, Volume C 71, Pages: 034902- (2005)

364. *Excitation function of elliptic flow in Au + Au collisions and the nuclear matter equation of state*
A. Andronic and the FOPI - Collaboration, **M. Petrovici**, **V. Simion**, G. Stoicea
Physics Letters, Volume B 612, Pages: 173 (2005)
365. *First analysis of anisotropic flow with Lee-Yang zeros*
Bastid N, Andronic A, Barret V, Basrak Z, Benabderrahmane ML, Caplar R, Cordier E, Crochet P, Dupieux P, Dzelalija M, Fodor Z, Gasparic I, Gobbi A, Grishkin Y, Hartmann ON, Herrmann N, Hildenbrand KD, Hong B, Kecskemeti J, Kim YJ, Kirejczyk M, Koczon P, Korolija M, Kotte R, Kress T, Lebedev A, Leifels Y, Lopez X, Mangiarotti A, Manko V, Merschmeyer M, Moisa D, Neubert W, Pelte D, **Petrovici M**, Rami F, Reisdorf W, Schuettauf A, Seres Z, Sikora B, Sim KS, **Simion V**, Siwek-Wilczynska K, Smolarkiewicz MM, Smolyankin V, Soliwoda IJ, Stockmeier MR, Stoicea G, Tyminski Z, Wisniewski K, Wohlfarth D, Xiao Z, Yushmanov I, Zhilin A, Ollitrault JY, Borghini N
PHYSICAL REVIEW C 72 (1): Art. No. 011901 JUL 2005
366. *Two-proton small-angle correlations in central heavy-ion collisions: a beam-energy- and system-size-dependent study*
R. Kotte and the FOPI - Collaboration, **M. Petrovici**, **V. Simion**, G. Stoicea
European Physical Journal, Volume A 23, Pages: 271-278, (2005)
367. *Dilepton and vector meson production in elementary and in heavy ion reactions*
C. Fuchs, Amand Faessler, **D. Cozma**, B.V. Martemyanov and M.I. Krivoruchenko
Nuclear Physics A, Volume 755, Pages 499-502 (2005)
368. *DEVELOPMENT OF A TEST-SETUP FOR ALICE TRD-PASA*
H.K.Soltveit, **V.Catanescu**, J.Stachel
GSI Scientific Report, 2004, pg.247, GSI 2005-1 June 2005, ISSN 0174-0814
369. *DIELECTRON PHYSICS WITH ALICE TRANSITION RADIATION DETECTOR*
P.Shukla, for the **ALICE TRD Collaboration**
J. Phys.G trimisa spre publicare (ICPAQGP 2005)
370. *ELECTRON/PION IDENTIFICATION WITH ALICE TRD PROTOTYPE USING NEURAL NETWORK ALGORITHM*
C.Adler, A.Andronic, V.Anelov, H.Appelshausser, C.Bauman, C.Blume, P.Braun-Munzinger, D.Bucher, O.Busch, **V.Catanescu**, S.Chernenko, M.Ciobanu, H.Danes, D.Emschermann, O.Fateev, Y.Foka, C.Garabatos, R.Glasow, H.Gottschlang, T.Gunji, H.Hamagaki, J.Hehner, N.Heine, N.Hermann, M.Inuzuka, M.Ivanov, E.Kislov, T.Lehmann, V.Lindenstruth, C.Lippmann, W.Ludolphs, T.Mahmoud, A.Marin, D.Miskowiec, K. Oyama, Yu.Panebratsev, V.Petracek, **M.Petrovici**, **A.Radu**, K.Reygers, I.Rusanov, A.Sandoval, R.Santo, R.Schicker, R.S.Simon, L.Smykov, H.K.Soltveit, J.Stachel, H.Stelzer, M.R.Stockmeier, G.Tsiledakis, W.Verhoeven, B.Vulpescu, J.Wessels, A.Wilk, B.Windelband, Y.Zanevsky, V.Yurevich, O.Zandtke
Nucl.Instrum.Meth A552 (2005), pg.364-371, 2005
371. *POSITION RECONSTRUCTION IN DRIFT CHAMBERS OPERATED WITH Xe, CO2(15%)*
C.Adler, A.Andronic, H.Appelshausser, J.Bielcikova, C.Blume, P.Braun-Munzinger, D.Bucher, O.Busch, **V.Catanescu**, M.Ciobanu, H.Danes, D.Emschermann, O.Fateev, Y.Foka, C.Garabatos, T.Gunji, N.Hermann, M.Inuzuka, M.Ivanov, E.Kislov,

- V.Lindenstruth, C.Lippmann, W.Ludolphs, T.Mahmoud, V.Petracek, **M.Petrovici**, S.Radomski, I.Rusanov, A.Sandoval, R.Santo, R.Schicker, K.Schwartz, R.S.Simon, L.Smykov, H.K.Soltveit, J.Stachel, H.Stelzer, G.Tsiledakis, B.Vulpescu, J.Wessels, B.Windelband, Y.Zanevsky, V.Yurevich, O.Zandtke
Nuclear Instr. Meth. A540 (2005), pg.140-157
372. *First measurement of the $\pi^+\pi^-$ atom lifetime*
Adeva, B;; **Caragheorghopol G**;....
PHYSICS LETTERS B, 619 (1-2): 50-60 JUL 14 2005
373. *Detection and imaging of atmospheric radio flashes from cosmic ray air showers*
Falcke, H; Apel, WD; Badea, AF; Bahren, L; Bekk, K; **Bercuci, A**; Bertaina, M; Biermann, PL; Blumer, J; Bozdog, H; Brancus, IM; Buitink, S; Bruggemann, M; Buchholz, P; Butcher, H; Chiavassa, A; Daumiller, K; de Bruyn, AG; de Vos, CM; Di Pierro, F; Doll, P; Engel, R; Gemmeke, H; Ghia, PL; Glasstetter, R; Grupen, C; Haungs, A; Heck, D; Horandel, JR; Horneffer, A; Huege, T; Kampert, KH; Kant, GW; Klein, U; Kolotaev, Y; Koopman, Y; Kromer, O; Kuijpers, J; Lafebre, S; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Mitrica, B; Morello, C; Navarra, G; Nehls, S; Nigl, A; Obenland, R; Oehlschlager, J; Ostapchenko, S; Over, S; Pepping, HJ; Petcu, M; Petrovic, J; Plewnia, S; Rebel, H; Risse, A; Roth, M; Schieler, H; Schoonderbeek, G; Sima, O; Stumpert, M; Toma, G; Trincherro, GC; Ulrich, H; Valchierotti, S; van Buren, J; van Cappellen, W; Walkowiak, W; Weindl, A; Wijnholds, S; Wochele, J; Zabierowski, J; Zensus, JA; Zimmermann, D
NATURE, 435 (7040): 313-316 MAY 19 2005
374. *Dissecting the knee - Air shower measurements with KASCADE*
Horandel, JR; Antoni, T; Apel, WD; Badea, AF; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, A; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; van Buren, J; Vardanyan, A; Weindl, A; Wochele, J; Zabierowski, J
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 138: 317-320 JAN 2005
375. *Geometric structures in hadronic cores of extensive air showers observed by KASCADE*
Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, J; Bozdog, H; Brancus, IM; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, A; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; van Buren, J; Vardanyan, A; Weindl, A; Wochele, J; Zabierowski, J
PHYSICAL REVIEW D, 71 (7): Art. No. 072002 APR 2005
376. *KASCADE measurements of energy spectra for elemental groups of cosmic rays: Results and open problems*
Antoni, T; Apel, WD; Badea, AF; Bekk, K; **Bercuci, A**; Blumer, J; Bozdog, H; Brancus, IM; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Kampert, KH; Klages, HO; Maier, G;

- Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, A; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; van Buren, J; Vardanyan, A; Weindl, A; Wochele, J; Zabierowski, J
ASTROPARTICLE PHYSICS, 24 (1-2): 1-25 SEP 2005
377. *The detection of the high-energy EAS muon component with the LST detector of KASCADE-Grande*
Bercuci, A; KASCADE-Grande Collaboration
International Journal of Modern Physics A, 20 (29): 6781-6783 NOV 20 2005
378. *Dynamical fission in $^{124}\text{Sn} + ^{64}\text{Ni}$ collision at 35A MeV*
E.De Filippo, A.Pagano, E. Piasecki, F.Amorini, A.Anzalone, L.Auditore, V.Baran, **I.Berceanu**, J.Blicharska, J.Brzychczyk, A.Bonasera, B.Borderie, R.Bougault, M.Bruno, G.Cardella, S.Cavallaro, M.B.Chatterjee, A.Chbihi, J.Cibor, M.Colonna, M.D Agostino, R.Dayras, 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, S.Li, S. Lo Nigro, C.Maiolino, Z.Majka, 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, M.Sassi, K.Schmidt, K.Siwiek-Wilczynska, I.Skwira, M.L.Sperduto, J. C. Steckmeyer, L.Swidorski, A.Trifiro, M.Trimarchi, G.Vannini, M.Vigilante, J.P.Wieleczko, J.Wilczynski, H.Wu, Z.Xiao, L.Zetta, and W.Zipper
Phys. Rev. C 71, 064604 (2005)
379. *How to calibrate the time scale of emission of intermediate mass fragments*
J.Wilczynski, E.De Filippo, A.Pagano, F.Amorini, A.Anzalone, L.Auditore, V.Baran, **I.Berceanu**, J.Blicharska, J.Brzychczyk, A.Bonasera, B.Borderie, R.Bogault, M.Bruno, G.Cardella, S.Cavallaro, M.B.Chatterjee, A.Chbihi, J.Cibor, M.Colonna, M.D Agostino, R.Dayras, 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, S.Li, C.Maiolino, Z.Majka, 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, M.Sassi, K.Schmidt, K.Siwiek-Wilczynska, I.Skwira, M.L.Sperduto, L.Swidorski, A.Trifiro, M.Trimarchi, G.Vannini, M.Vigilante, J.P.Wieleczko, H.Wu, Z.Xiao, L.Zetta, W.Zipper
Int.J.Mod.Phys. E14, 353 (2005)
380. *Time sequence and time scale of intermediate mass fragment emission*
E.De Filippo, A.Pagano, J.Wilczynski, F.Amorini, A.Anzalone, L.Auditore, V.Baran, **I.Berceanu**, J.Blicharska, J.Brzychczyk, A.Bonasera, B.Borderie, R.Bougault, M.Bruno, G.Cardella, S.Cavallaro, M.B.Chatterjee, A.Chbihi, J.Cibor, M.Colonna, M.D Agostino, R.Dayras, 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, S.Li, C.Maiolino, Z.Majka, 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, M.Sassi, K.Schmidt, K.Siwiek-Wilczynska, I.Skwira, M.L.Sperduto, L.Swidorski, A.Trifiro, M.Trimarchi, G.Vannini, M.Vigilante, J.P.Wieleczko, H.Wu, Z.Xiao, L.Zetta, W.Zipper
Phys.Rev. C 71, 044602 (2005)

381. *Dynamical fission in $^{124}\text{Sn}+^{64}\text{Ni}$ collision at 35 A_{meV}*
E. De Filippo and the REVERSE collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
Physical Review Volume C71, Pages 064604-1 - 064604-12 (2005)
382. *How to calibrate the time scale of emission of intermediate mass fragments?*
J. Wilczynski and the REVERSE collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
International Journal of Modern Physics E Volume 14, Issue 3, Pages 353-357 (2005)
383. *Time sequence and time scale of intermediate mass fragment emission*
E. De Filippo and the REVERSE collaboration, **I. Berceanu, M. Petrovici, A. Pop, V. Simion**
Physical Review Volume C71, Pages 044602-1 - 044602-8 (2005)
384. *Variational calculation of the effect of isospin mixing on superallowed Fermi decay in the $A \approx 70$ mass region,*
A. Petrovici, K.W. Schmid, O. Radu, A. Faessler,
Nucl. Phys. A747 (2005) 44.
385. *Physics Performance Report, Vol. II*
ALICE – Collaboration
<http://alice.web.cern.ch/Alice/ppr/web/PPRVIIforCollaboration.htm>
386. *Portable Intelligent Tritium in Air Monitor*
L.Purghel, R.Calin, **D.Bartos**, L.Serbina, A.Lupu, F.Lupu, D.Lupu
Fusion Science and Technology vol 48 JULY/AUG 2005
387. *Compressed Baryonic Matter Experiment*
CBM-Collaboration
Technical Status Report, January 2005
388. *Electron/pion identification with ALICE TRD prototypes using a neural network algorithm*
ALICE-TRD Collaboration
Nucl. Instrum. Meth. A 552 (2005) 364
389. *Position reconstruction in drift chambers operated with Xe, CO₂(15%)*
C. Adler and TRD-ALICE Collaboration, **V. Catanescu, M. Ciobanu, M. Petrovici, B. Vulpescu**
Nuclear Instruments and Methods, Volume A 540, Pages 140, (2005)
390. *Azimuthal Dependence of Collective Expansion for Symmetric Heavy-Ion Collisions*
G. Stoicea, **M. Petrovici, A. Andronic, V. Simion** and the FOPI – Collaboration
Physical Review Letters Volume 92, Page: 072303, (2004)
391. *Droplet formation in expanding nuclear matter: a system size dependent study*
W. Reisdorf and the FOPI - Collaboration, **M. Petrovici, G. Stoicea, V. Simion**
Physics Letters Volume B595, Page:118 (2004)
392. *Fragmentation studies with the CHIMERA detector at LNS in Catania: recent progress*
Pagano A, Alderighi M, Amorini F, Anzalone A, Arena N, Auditore L, Baran V, Bartolucci M, **Berceanu I**, Blicharska J, Brzychczyk J, Bonasera A, Borderie B, Bougault

- R, Bruno M, Cardella G, Cavallaro S, Chatterjee MB, Chbihi A, Cibor J, Colonna M, D-Agostino M, Dayras R, De Filippo E, Di Toro M, Gawlikowicz W, Geraci E, Giustolisi F, Grzeszczuk A, Guazzoni P, Guinet D, Iacono-Manno M, Kowalski S, La Guidara E, Lanzano G, Lanzalone G, Le Neindre N, Li S, Lo Nigro S, Maiolino C, Majka Z, Manfredi G, Patuszynski T, Papa T, **Petrovici M**, Piasecki E, Pirrone S, Planeta R, Politi G, **Pop A**, Porto F, Rivet MF, Rosato E, Rizzo F, Russo S, Russotto P, Sassi M, Sechi G, Simion V, Siwek-Wilczynska K, Skwira I, Sperduto ML, Steckmeyer JC, Swiderski L, Trifiro A, Trimarchi M, Vannini G, Vigilante M, Wieleczko JP, Wilczynski J, Wu H, Xiao Z, Zetta L, Zipper W
 NUCLEAR PHYSICS A 734: 504-511 APR 5 2004
393. *Isoscaling in central Sn-124+Ni-64, Sn-112+Ni-58 collisions at 35 A MeV*
 Geraci E, Bruno M, D-Agostino M, De Filippo E, Pagano A, Vannini G, Alderighi M, Anzalone A, Auditore L, Baran V, Barna R, Bartolucci M, **Berceanu I**, Blicharska J, Bonasera A, Borderie B, Bougault R, Brzychczyk J, Cardella G, Cavallaro S, Chbihi A, Cibor J, Colonna M, De Pasquale D, Di Toro M, Giustolisi F, Grzeszczuk A, Guazzoni P, Guinet D, Iacono-Manno M, Italiano A, Kowalski S, La Guidara E, Lanzalone G, Lanzano G, Le Neindre N, Li S, Lo Nigro S, Maiolino C, Majka Z, Manfredi G, Patuszynski T, Papa M, **Petrovici M**, Piasecki E, Pirrone S, Politi G, **Pop A**, Porto F, Rivet MF, Rosato E, Russo S, Russotto P, Sechi G, Simion V, Sperduto ML, Steckmeyer JC, Trifiro A, Trimarchi M, Vigilante M, Wieleczko JP, Wilczynski J, Wu H, Xiao Z, Zetta L, Zipper W
 NUCLEAR PHYSICS A 732: 173-201 FEB 23 2004
394. *Isotope correlations as a probe for freeze-out characterization: central Sn-124+Ni-64, Sn-112+Ni-58 collisions*
 Geraci E, Alderighi M, Anzalone A, Auditore L, Baran V, Bartolucci M, **Berceanu I**, Blicharska J, Bonasera A, Borderie B, Bougault R, Bruno M, Brzychczyk J, Cardella G, Cavallaro S, Chbihi A, Cibor J, Colonna M, D-Agostino M, De Filippo E, Di Toro M, Giustolisi F, Grzeszczuk A, Guazzoni P, Guinet D, Iacono-Manno M, Kowalski S, La Guidara E, Lanzalone G, Lanzano G, Le Neindre N, Li S, Lo Nigro S, Maiolino C, Majka Z, Manfredi G, Patuszynski T, Pagano A, Papa M, **Petrovici M**, Piasecki E, Pirrone S, Politi G, **Pop A**, Porto F, Rivet MF, Rosato E, Russo S, Russotto P, Sechi G, **Simion V**, Sperduto ML, Steckmeyer JC, Trifiro A, Trimarchi M, Vannini G, Vigilante M, Wieleczko JP, Wilczynski J, Wu H, Xiao Z, Zetta L, Zipper W
 NUCLEAR PHYSICS A 734: 524-527 APR 5 2004
395. *Nuclear stopping from 0.09A GeV to 1.93A AGeV and its correlation to flow*
 W. Reisdorf and the FOPI - Collaboration, **M. Petrovici**, **V. Simion**, G. Stoicea
 Physical Review Letters, Volume 92, Page:232301, (2004)
396. *Shape parameters of the participant source in Ru+Ru collisions at 400A MeV*
 N.Bastid and the FOPI - Collaboration, D. Moisa, **M. Petrovici**, **V. Simion**, G. Stoicea
 Nuclear Physics, Volume A 742, Pages: 29-54, (2004)
397. *ALICE: PHYSICS PERFORMANCE REPORT, VOLUME 1*
 P.Cortese, G.Dellacasa, R.Ramello,... **V.Catanescu**,...
 J. Phys. G Nucl. Partic. 30 (2004), pg.1517-1763

398. *High-precision proton-proton bremsstrahlung measurements at 190-MeV*
M. Mahjour-Shafiei, J.C.S. Bacelar, **M.D. Cozma**, M.J. van Goethem, M.N. Harakeh, M. Hoefman, H. Huisman, N. Kalantar-Nayestanaki, H. Lohner, J.G. Messchendorp, R.W. Ostendorf, S. Schadmand, O. Scholten, M. Volkerts and H.W. Wilschut
Physical Review C, Volume 70, 024004 (2004)
399. *ELECTRON/PION IDENTIFICATION WITH ALICE TRD PROTOTYPES*
A.Andronic, for the **ALICE TRD Collaboration**
Nucl. Instrum. Meth. A522 (2004), pg. 40-44, 2004
400. *ENERGY LOSS OF PIONS AND ELECTRONS OF 1-6 GEV/C IN DRIFT CHAMBERS OPERATED WITH Xe,CO2 (15%)*
A.Andronic, H.Appelshausser, C.Blume, P.Braun-Munzinger, D.Bucher, O.Busch, **V.Catanescu**, M.Ciobanu, H.Danes, D.Emschermann, O.Fateev, Y.Foka, C.Garabatos, T.Gunji, N.Hermann, M.Inuzuka, E.Kislov, V.Lindenstruth, W.Ludolphs, T.Mahmoud, V.Petracek, **M.Petrovici**, I.Rusanov, A.Sandoval, R.Santo, R.Schicker, R.S.Simon, L.Smykov, H.K.Soltveit, J.Stachel, H.Stelzer, G.Tsiledakis, B.Vulpescu, J.Wessels, B.Windelband, C.Xu, O.Zandtke, Y.Zanevsky, V.Yurevich
Nucl. Instrum. Meth. A519 (2004), pg.508-517
401. *FAST ON-DETECTOR INTEGRATED SIGNAL PROCESSING STATUS AND PERSPECTIVES*
V.Lindenstruth, L.Musa, for the **ALICE Collaboration**
Nuclear Instr. Meth. A522 (2004), pg.33-39, 2004
402. *FINAL VERSION FOR THE ANALOG FRONT-END ELECTRONICS FOR THE ALICE TRD DETECTOR*
H.K.Soltveit, J.Stachel, J.Wessels, P.Glassel, L.Musa, **V.Catanescu**, V.Banes, H.Flemming, C.Reichling, V.Angelov, I.Rusanov
GSI Scientific Report, 2003, pg.244, GSI 2004-1 May 2004, ISSN 0174-0814
403. *Performances of a prototype for the ALICE muon trigger at LHC*
B. Forestier (for the **ALICE Collaboration**)
Nucl. Instrum. Meth. A533 (2004), Issue 1-2, pg. 22-26, 2004
404. *POSITION RESOLUTION AND ELECTRON IDENTIFICATION WITH PROTOTYPES OF THE ALICE TRD*
Ch. Lippmann, for the **ALICE TRD Collaboration**
Nuclear Instr. Meth. A535 (2004), pg.457-460, 2004
405. *RESULTS FROM PROTOTYPE TESTS FOR THE ALICE TRD*
O.Busch, for the **ALICE TRD Collaboration**
Nuclear Instr. Meth. Phys. Res. A525 (2004), pg.153-157, 2004
406. *SPACE CHANGE IN DRIFT CHAMBERS OPERATED WITH THE Xe,CO2 (15%) MIXTURE*
A.Andronic, H.Appelshausser, C.Blume, P.Braun-Munzinger, D.Bucher, O.Busch, **V.Catanescu**, M.Ciobanu, H.Danes, D.Emschermann, O.Fateev, Y.Foka, C.Garabatos, T.Gunji, N.Hermann, M.Inuzuka, E.Kislov, V.Lindenstruth, W.Ludolphs, T.Mahmoud, V.Petracek, **M.Petrovici**, I.Rusanov, A.Sandoval, R.Santo, R.Schicker, R.S.Simon, L.Smykov, H.K.Soltveit, J.Stachel, H.Stelzer, G.Tsiledakis, B.Vulpescu, J.Wessels,

- B.Windelband, C.Xu, O.Zandtke, Y.Zanevsky, V.Yurevich
Nuclear Instr. Meth. A525 (2004), pg.447-457
407. The inner tracking system of the Alice experiment
P. Kuijjer (for the **ALICE Collaboration**)
Nucl. Instrum. Meth. A530 (2004), Issue 1-2, pg. 28-32, 2004
408. *TRANSITION RADIATION SPECTROSCOPY WITH PROTOTYPES OF THE ALICE TRD*
O.Busch, for the **ALICE TRD Collaboration**
Nuclear Instr. Meth. A522 (2004), pg.45-49, 2004
409. *Detection of $\pi(+)\pi(-)$ atoms with the DIRAC spectrometer at CERN*
Adeva, B;; **Caragheorghopol G**.....
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, 30 (12): 1929-1946 DEC 2004
410. *A large area limited streamer tube detector for the air shower experiment KASCADE-Grande*
Antoni, T; **Bercuci, A**; Bozdog, H; Haungs, A; Mathes, HJ; Petcu, M; Rebel, H; Zagromski, S
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, 533 (3): 387-403 NOV 11 2004
411. *Astrophysics of the knee in the cosmic ray energy spectrum*
Haungs, A; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Heck, D; Horandel, JR; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Plewnia, S; Rebel, H; Risse, A; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Ulrich, H; Van Buren, J; Vardanyan, A; Weindl, A; Wochele, J; Zabierowski, J; Zagromski, S
ACTA PHYSICA POLONICA B, 35 (1): 331-339 JAN 2004
412. *Cosmic ray energy spectra and mass composition at the knee - Recent results from KASCADE*
Kampert, KH; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Plewnia, S; Rebel, H; Risse, A; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Stumpert, M; Thouw, T; Ulrich, H; van Buren, J; Vardanyan, A; Weindl, A; Wochele, J; Zabierowski, J; Zagromski, S
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 136: 273-281 NOV 2004
413. *Cosmic rays in the 'knee'-region - Recent results from KASCADE*
Kampert, KH; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Bertaina, M; Blumer, H; Bozdog, H; Brancus, IM; Bruggemann, M; Buchholz, P; Buttner, C; Chiavassa, A; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Ghia, PL; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Klages, HO;

- Kolotaev, Y; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Morello, C; Muller, M; Navarra, G; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Plewnia, S; Rebel, H; Risse, A; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Stumpert, M; Thouw, T; Trincherro, GC; Ulrich, H; Valchierotti, S; van Buren, J; Vardanyan, A; Walkowiak, W; Weindl, A; Wochele, J; Zabierowski, J; Zagromski, S
 ACTA PHYSICA POLONICA B, 35 (6-7): 1799-1812 JUN-JUL 2004
414. *KASCADE-Grande: a large acceptance, high-resolution cosmic-ray detector up to 10(18) eV*
 Navarra, G; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Bertaina, M; Blumer, H; Bozdog, H; Bruggemann, M; Buchholz, P; Buttner, C; Chiavassa, A; Doll, P; Engel, R; Engler, J; Fessler, F; Ghia, PL; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Iwan, A; Kampert, KH; Klages, HO; Kolotaev, Y; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Morello, C; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Plewnia, S; Rebel, H; Roth, M; Schieler, H; Scholz, J; Thouw, T; Trincherro, GC; Ulrich, H; Valchierotti, S; van Buren, J; Walkowiak, W; Weindl, A; Wochele, J; Zabierowski, J; Zagromski, S
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, 518 (1-2): 207-209 FEB 1 2004
415. *Large-scale cosmic-ray anisotropy with KASCADE*
 Antoni, T; Apel, WD; Badea, AF; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, A; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; van Buren, J; Vardanyan, A; Weindl, A; Wochele, J; Zabierowski, J
 ASTROPHYSICAL JOURNAL, 604 (2): 687-692 Part 1 APR 1 2004
416. *Search for cosmic-ray point sources with cascade*
 Antoni, T; Apel, WD; Badea, AF; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, A; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Van Buren, J; Vardanyan, A; Weindl, A; Wochele, J; Zabierowski, J
 ASTROPHYSICAL JOURNAL, 608 (2): 865-871 Part 1 JUN 20 2004
417. *Test of hadronic interaction models with KASCADE*
 Milke, J; Antoni, T; Apel, WD; Badea, AF; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Plewnia, S; Rebel, H; Risse, K; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; van Buren, J; Vardanyan, A; Weindl, A; Wochele, J; Zabierowski, J; Zagromski, S
 ACTA PHYSICA POLONICA B, 35 (1): 341-349 JAN 2004

418. *The KASCADE-Grande experiment and the LOPES project*
 Badea, AF; Antoni, T; Apel, WD; Bekk, K; **Bercuci, A**; Bertaina, M; Blumer, H; Bozdog, H; Brancus, IM; Bruggemann, M; Bucholz, P; Chiavassa, A; Daumiller, K; di Pierro, F; Doll, P; Engel, R; Engler, J; Falcke, H; Fessler, F; Ghia, PL; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Horneffer, A; Huege, T; Kampert, KH; Kant, GW; Klages, HO; Kolotaev, Y; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Morello, C; Muller, M; Navarra, G; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Plewnia, S; Rebel, H; Risse, A; Roth, M; Schieler, H; Scholz, J; Stumpert, M; Thouw, T; Toma, G; Trinchiero, GC; Ulrich, H; Valchierotti, S; van Buren, J; de Vos, CM; Walkowiak, W; Weindl, A; Wochele, J; Zabierowski, J; Zagromski, S; Zimmermann, D
 NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 136: 384-389 NOV 2004
419. *The primary proton spectrum of cosmic rays measured with single hadrons at ground level*
 Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haungs, A; Heck, D; Horandel, JR; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, A; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; van Buren, J; Vardanyan, A; Weindl, A; Wochele, J; Zabierowski, J
 ASTROPHYSICAL JOURNAL, 612 (2): 914-920 Part 1 SEP 10 2004
420. *Fragmentation studies with the CHIMERA detector at LNS in Catania: recent progress*
 A.Pagano, M.Alderighi, F.Amorini, A.Anzalone, N.Arena, L.Auditore, V.Baran, M.Bartolucci, **I.Berceanu**, J.Blicharska, J.Brzychczyk, A.Bonasera, B.Borderie, R.Bougault, M.Bruno, G.Cardella, S.Cavallaro, M.B.Chatterjee, A.Chbihi, J.Cibor, M.Colonna, M.D Agostino, R.Dayras, E.De Filippo, M.Di Toro, 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, S.Li, S.Lo Nigro, C.Maiolino, Z.Majka, G.Manfredi, T.Paduszynski, 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, M.Sassi, G.Sechi, V.Simion, K.Siwiek-Wilczynska, I.Skwira, M.L.Sperduto, J.C.Steckmeyer, L.Swidorski, A.Trifiro, M.Trimarchi, G.Vannini, M.Vigilante, J.P.Wieleczko, J.Wilczynski, H.Wu, Z.Xiao, L.Zetta, W.Zipper
 Nucl.Phys. A734, 504 (2004)
421. *Isoscaling in central $^{124}\text{Sn} + ^{64}\text{Ni}$, $^{112}\text{Sn} + ^{58}\text{Ni}$ collisions at 35 A MeV*
 E.Geraci, M.Bruno, M.D Agostino, E.De Filippo, A.Pagano, G.Vannini, M.Alderighi, A.Anzalone, L.Auditore, V.Baran, R.Barna, M.Bartolucci, **I.Berceanu**, J.Blicharska, A.Bonasera, B.Borderie, R.Bougault, J.Brzychczyk, G.Cardella, S.Cavallaro, A.Chbihi, J.Cibor, M.Colonna, D.De Pasquale, M.Di Toro, F.Giustolisi, A.Grzeszczuk, P.Guazzoni, D.Guinet, M.Iacono-Manno, A.Italiano, S.Kowalski, E.La Guidara, G.Lanzalone, G.Lanzano, N.Le Neindre, S.Li, S.Lo Nigro, C.Maiolino, Z.Majka, G.Manfredi, T.Paduszynski, M.Papa, **M.Petrovici**, E.Piasecki, S.Pirrone, G.Politi, **A.Pop**, F.Porto, M.F.Rivet, E.Rosato, S.Russo, P.Russotto, G.Sechi, V.Simion, M.L.Sperduto, J.C.Steckmeyer, A.Trifiro, M.Trimarchi, M.Vigilante, J.P.Wieleczko, J.Wilczynski, H.Wu,

- Z.Xiao, L.Zetta, W.Zipper
Nucl.Phys. A732, 173 (2004)
422. *Isotope correlations as a probe for freeze-out characterization: central $124\text{Sn} + 64\text{Ni}$, $112\text{Sn} + 58\text{Ni}$ collisions*
E.Geraci, M.Alderighi, A.Anzalone, L.Auditoro, V.Baran, M.Bartolucci, **I.Berceanu**, J.Blicharska, A.Bonasera, B.Borderie, R.Bougault, M.Bruno, J.Brzychczyk, G.Cardella, S.Cavallaro, A.Chbihi, J.Cibor, M.Colonna, M.D Agostino, E.De Filippo, M.Di Toro, F.Giustolisi, A.Grzeszczuk, P.Guazzoni, D.Guinet, M.Iacono-Manno, S.Kowalski, E.La Guidara, G.Lanzalone, G.Lanzano, N.Le Neindre, S.Li, S.Lo Nigro, C.Maiolino, Z.Majka, G.Manfredi, T.Paduszynski, A.Pagano, M.Papa, **M.Petrovici**, E.Piasecki, S.Pirrone, G.Politi, **A.Pop**, F.Porto, M.F.Rivet, E.Rosato, S.Russo, P.Russotto, G.Sechi, **V.Simion**, M.L.Sperduto, J.C.Steckmeyer, A.Trifiro, M.Trimarchi, G.Vannini, M.Vigilante, J.P.Wieleczko, J.Wilczynski, H.Wu, Z.Xiao, L.Zetta, W.Zipper
Nucl.Phys. A734, 524 (2004)
423. *Fragmentation studies with the CHIMERA detector at LNS in Catania: Recent Progress*
A. Pagano and the REVERSE collaboration, **I. Berceanu**, D. Moisa, **M. Petrovici**, **A. Pop**, **V. Simion**
Nuclear Physics, Volume A 734, Pages 504 - 511, April (2004)
424. *High Counting Rate TRD*
M. Petrovici, D.Moisa, **M. Petris**, **V.Simion**, G. Stoicea
CBM Collaboration Meeting, GSI - Darmstadt, October 6-8, 2004
425. *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
426. *Physics Performance Report, Vol. I*
ALICE - Collaboration, **M. Petrovici**
Journal of Physics G: Nucl. Part. Phys., Volume 30, Pages: 1517-1763, (2004)
427. *Position resolution and electron identification with prototypes of the ALICE TRD*
C. Lippmann and the TRD-ALICE Collaboration, **V. Catanescu**, M. Ciobanu, **M. Petrovici**, B. Vulpescu
Nucl. Instrum. Meth. A 535 (2004) 457
428. *Space charge in drift chambers operated with the Xe, CO₂(15%) mixture*
A. Andronic and the TRD-ALICE Collaboration, **V. Catanescu**, M. Ciobanu, **M. Petrovici**, B. Vulpescu
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume 525 (3), Pages: 447-457 (2004)
429. *Results from prototype tests for the ALICE TRD*
O. Busch and the TRD-ALICE Collaboration, **V. Catanescu**, M. Ciobanu, **M. Petrovici**, B. Vulpescu
Nucl. Instrum. Meth. A525 (2004) 153

430. *Fast on-detector integrated signal processing status and perspectives*
V. Lindenstruth, L. Musa and the TRD-ALICE Collaboration **V. Catanescu**, M. Ciobanu, **M. Petrovici**, B. Vulpescu
Nucl. Instrum. Meth. A522 (2004) 33
431. *Transition Radiation spectroscopy with prototypes for ALICE TRD*
O. Busch and the TRD-ALICE Collaboration, **V. Catanescu**, M. Ciobanu, **M. Petrovici**, B. Vulpescu
Nucl. Instrum. Meth. Volume A522 Page 45 (2004)
432. *Electron/pion identification with ALICE TRD prototypes*
A. Andronic and the TRD-ALICE Collaboration, **V. Catanescu**, M. Ciobanu, **M. Petrovici**, B. Vulpescu
Nucl. Instrum. Meth. Volume A522 Page 40 (2004)
433. *Energy loss of pions and electrons of 1 to 6 GeV/c in drift chambers operated with Xe, CO₂(15%)*
A. Andronic and the TRD-ALICE Collaboration, **V. Catanescu**, M. Ciobanu, **M. Petrovici**, B. Vulpescu
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume 519 (3), Pages: 508-517, (2004)
434. *Directed flow in Au+Au, Xe+CsI, and Ni+Ni collisions and the nuclear equation of state*
A. Andronic and the FOPI collaboration, D. Moisa, **M. Petrovici**, **V. Simion**, G. Stoicea
PHYSICAL REVIEW C Volume 67 (3) Page 034907 (2003)
435. *Measurement of strange resonances with FOPI*
M. Merschmeyer si colaborarea FOPI, D. Moisa, **M. Petrovici**, **V. Simion**
Nuclear Physics, Volume A721, Page 317-320, (2003)
436. *Multistrip multigap symmetric RPC*
M. Petrovici, N. Herrmann, K.D. Hildenbrand, G. Augustinski, M. Ciobanu, I. Cruceru, M. Duma, O. Hartmann, P. Koczon, T. Kress, M. Marquardt, D. Moisa, **M. Petris**, C. Schroeder, **V. Simion**, G. Stoicea, J. Weinert
Nucl. Instr. and Meth. in Phys. Res. Volume 508A(1-2), Pages: 75-78 (2003)
437. *Sub-threshold Phi-meson yield in central 58Ni + 58Ni collisions*
A. Mangiarotti si colaborarea FOPI, D. Moisa, **M. Petrovici**, **V. Simion**
Nuclear Physics, Volume A714, Issue 1, Pages 89-123 (2003)
438. *Sensitivity of pp bremsstrahlung on low-energy nn interaction*
M. D. Cozma, O. Scholten, R. G. E. Timmermans and J. A. Tjon
Physical Review C, Volume 68, 044003 (2003)
439. *FINAL VERSION FOR THE ANALOG FRONT-END ELECTRONICS FOR THE ALICE TPC DETECTOR*
H.K.Soltveit, J.Stachel, J.Wessels, P.Glassel, **V.Catanescu**, I.Rusanov
GSI Scientific Report, 2002, pg.243, GSI 2003-1 May 2003, ISSN 0174-0814
440. *PROTOTYPE TESTS FOR ALICE TRD*
A.Andronic, H.Appelshausser, C.Blume, P.Braun-Munzinger, D.Bucher, O.Busch,

- V.Catanescu**, S.Chernenko, M.Ciobanu, H.Danes, D.Emschermann, O.Fateev, Y.Foka, C.Garabatos, T.Gunji, N.Hermann, M.Ianizuka, E.Kislov, V.Lindenstruth, W.Ludolphs, T.Mahmoud, V.Petracek, I.Rusanov, A.Sandoval, R.Santo, R.Schicker, R.S.Simon, H.K.Soltveit, J.Stachel, H.Stelzer, G.Tsiledakis, B.Vulpescu, J.Wessels, B.Windelband, C.Xu V.Yurevich, Y.Zanevsky, O.Zandtke
GSI Scientific Report, 2002, pg.239-241, GSI 2003-1 May 2003, ISSN 0174-0814
441. *PULSE HEIGHT MEASUREMENTS AND ELECTRON ATTACHMENT IN DRAFT CHAMBERS OPERATED WITH XE, CO₂ MIXTURE*
A.Andronic, H.Appelshauser, C.Blume, P.Braun-Munzinger, D.Bucher, O.Busch, A.Catillo Ramirez, **V.Catanescu**, S.Chernenko, M.Ciobanu, H.Danes, A.Devismes, D.Emschermann, O.Fateev, C.Garabatos, N.Hermann, M.Ivanov, T.Mahmoud, T.Peitzmann V.Petracek, **M.Petrovici**, K.Reygers, H.Sann, R.Santo, R.Schicker, S.Sedykh, S.Shimansky, R.S.Simon, L.Smykov, H.K.Soltveit, J.Stachel, H.Stelzer, G.Tsiledakis, B.Vulpescu, J.Wessels, B.Windelband, O.Winkelmann, C.Xu, O.Zandtke, Y.Zanevsky, V.Yurevich
Nuclear Instruments and Methods Phys. Res A498 (2003), pg.143-154
442. *The ALICE transition radiation detector*
T.Mahmoud (for the **ALICE TRD Collaboration**)
Nucl. Instr. Meth. Phys. Res. A502 (2003) 127-132 physics/0303059
443. *DIRAC: A high resolution spectrometer for pionium detection*
Adeva, B;.....; **Caragheorgheopol G.....**
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, 515 (3): 467-496 DEC 11 2003
444. *Comment on "Determining energy spectra for separate mass groups from EAS: the quest is still on"*
Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bollmann, E; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engler, J; Gils, HJ; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Holst, T; Horandel, JR; Iwan, A; Kampert, KH; Kempa, J; Klages, HO; Knaap, J; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, M; Roth, M; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Vulpescu, B; Weber, JH; Wentz, J; Wochele, J; Zabierowski, J; Zagromski, S
ASTROPARTICLE PHYSICS, 19 (3): 373-375 JUN 2003
445. *Determination of primary energy and mass in the PeV region by Bayesian unfolding techniques*
Roth, M; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Horandel, JR; Iwan, A; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Weber, JH; Weindl, A; Wentz, J; Wochele, J; Zabierowski, J
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 122: 317-320 JUL 2003

446. *Energy spectra of cosmic rays in the knee region*
Ulrich, H; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Horandel, JR; Iwan, A; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Weber, JH; Weindl, A; Wentz, J; Wochele, J; Zabierowski, J
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 122: 218-221 JUL 2003
447. *Measurements of attenuation and absorption lengths with the KASCADE experiment*
Antoni, T; Apel, WD; Badea, AF; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engel, R; Engler, J; Fessler, F; Gils, H; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Horandel, JR; Iwan, A; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Vardanyan, A; Weber, JH; Weindl, A; Wentz, J; Wochele, J; Zabierowski, J
ASTROPARTICLE PHYSICS, 19 (6): 703-714 SEP 2003
448. *Muon density spectra as a probe of the muon component predicted by air shower simulations*
Haungs, A; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haeusler, R; Heck, D; Horandel, JR; Iwan, A; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Weber, JH; Weindl, A; Wentz, J; Wochele, J; Zabierowski, J
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 122: 384-387 JUL 2003
449. *Muon production heights determined in the KASCADE experiment*
Buttner, C; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Chilingarian, A; Daumiller, K; Doll, P; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Horandel, JR; Iwan, A; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Weber, JH; Weindl, A; Wentz, J; Wochele, J; Zabierowski, J
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 122: 289-292 JUL 2003
450. *On the hadronic component of extensive air showers*
Horandel, JR; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haeusler, R; Hamsch, M; Haungs, A; Heck, D; Iwan, A; Kampert, KH; Klager, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Weber, JH; Weindl, A; Wentz, J;

- Wochele, J; Zabierowski, J
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 122: 309-312 JUL 2003
451. *Preparation of enriched cosmic ray mass groups with KASCADE*
Antoni, T; Apel, WD; Badea, AF; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Horandel, JR; Iwan, A; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Vardanyan, A; Weber, JH; Weindl, A; Wentz, J; Wochele, J; Zabierowski, J
ASTROPARTICLE PHYSICS, 19 (6): 715-728 SEP 2003
452. *Sensitivity and consistency studies of muon arrival time distributions measured by KASCADE*
Badea, AF; Antoni, T; Apel, WD; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Horandel, JR; Iwan, A; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Weber, JH; Weindl, A; Wentz, J; Wochele, J; Zabierowski, J
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 122: 271-274 JUL 2003
453. *Simulation of atmospheric muon and neutrino fluxes with CORSIKA*
Wentz, J; Brancus, IM; **Bercuci, A**; Heck, D; Oehlschlager, J; Rebel, H; Vulpescu, B
PHYSICAL REVIEW D, 67 (7): Art. No. 073020 APR 2003
454. *Status of the KASCADE-Grande experiment*
Kampert, KH; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Bertaina, M; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chiavassa, A; Daumiller, K; Doll, P; Engler, J; Fessler, F; Ghia, PL; Gils, HJ; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Horandel, JR; Iwan, A; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Martello, D; Milke, J; Morello, C; Milller, M; Navarra, G; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Roth, M; Schieler, H; Scholz, J; Thouw, T; Trinchero, GC; Ulrich, H; Ulrich, R; Weber, JH; Weindl, A; Wentz, J; Wochele, J; Zabierowski, J; Zagromski, S
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 122: 422-426 JUL 2003
455. *Test of interaction models with the KASCADE hadron calorimeter*
Milke, J; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Horandel, JR; Iwan, A; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Weber, JH; Weindl, A; Wentz, J; Wochele, J; Zabierowski, J
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 122: 388-391 JUL 2003
456. *The cosmic-ray experiment KASCADE*
Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus,

IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Horandel, JR; Iwan, A; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Vardanyan, A; Weber, J; Weindl, A; Wentz, J; Wochele, J; Zabierowski, J; Zagromski, S

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, 513 (3): 490-510 NOV 11 2003

457. *The East-West effect of the muon charge ratio at energies relevant to the atmospheric neutrino anomaly*
Brancus, IM; Wentz, J; Mitrica, B; Rebel, H; Petcu, M; Bozdog, H; Mathes, HJ; Badea, AF; **Bercuci, A**; Aiftimiei, C; Duma, M; Meli, A; Toma, G; Vulpescu, B
NUCLEAR PHYSICS A, 721: 1044C-1047C JUN 30 2003
458. *The information from muon arrival time distributions of high-energy EAS as measured with the KASCADE detector*
Antoni, T; Apel, WD; Badea, AF; Bekk, K; **Bercuci, A**; Blumer, H; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, AA; Daumiller, K; Doll, P; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Horandel, JR; Iwan, A; Kampert, KH; Klages, HO; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Ostapchenko, S; Petcu, M; Rebel, H; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Weber, JH; Weindl, A; Wentz, J; Wochele, J; Zabierowski, J
ASTROPARTICLE PHYSICS, 18 (4): 319-331 JAN 2003
459. *New instruments for radiological protection*
D. Bartos*, M. Ciobanu*, F. Constantin*, A. C. Lupu**, F. Lupu**, M. Petcu*, V. D. Plostinaru*, Al. Rusu *
ROMANIAN JOURNAL OF PHYSICS VOL 48 NOS 1-4, P. 463-468, 2003
460. *Microscopic description of the mirror nuclei ^{70}Se and ^{70}Kr*
A. Petrovici, K.W. Schmid, A. Faessler,
Nucl. Phys. A 728(2003) 396.
461. *The ALICE transition radiation detector*
T.Mahmoud and the TRD-ALICE Collaboration, **V. Catanescu**, M. Ciobanu, **M. Petrovici**, B. Vulpescu
Nucl. Instr. Meth. Phys. Res. A502(2003)127
462. *How to probe the dynamics of the fireball expansion?*
M. Petrovici
Fizika 12B(2003)2,165
463. *Pulse height measurements and electron attachment in drift chambers operated with Xe, CO₂ mixtures*
A. Andronic and TRD-ALICE Collaboration, **V. Catanescu**, M. Ciobanu, **M. Petrovici**, B. Vulpescu
Nucl. Instr. and Meth. in Phys. Res., Volume 498A, Pages 143-154 (2003)

464. *Measurement of strange resonances with FOPI*
M. Merschmeyer si colaborarea FOPI, D. Moisa, **M. Petrovici**, **V. Simion**
Prog.Part.Nucl.Phys. Volume 50, Page 583 (2003)
465. *A Large Area Glass Resistive Plate Chamber with Multistrip Readout*
M. Petrovici, N. Herrmann, K.D. Hildenbrand, G. Augustinski, M.Ciobanu, I.Cruceru,
M.Duma, O.Hartmann, P.Koczon, T.Kress, M.Marquardt, D.Moisa, **M.Petris**,
C.Schroeder, **V.Simion**, G.Stoicea, J.Weinert
Nucl.Instr. and Meth. in Phys.Res. Volume 487A Pages: 337-345 (2002)
466. *Proton and deuteron rapidity distributions and nuclear stopping in
96Ru,96Zr+96Ru,96Zr collisions at 400 AGeV*
B. Hong si colaborarea FOPI, D. Moisa, **M. Petrovici**, **V. Simion**
Physical Review Volume C66 Page 034901, (2002) tip: reviste cotate ISI 2002
467. *Transition from in-plane to out-of-plane azimuthal enhancement*
A. Andronic si Colaborarea FOPI, D. Moisa, **M. Petrovici**, **V. Simion**
Nucl.Instr. and Meth. in Phys.Res., Volume 482A, Pages: 179-191 (2002)
468. *Covariant model for proton proton bremsstrahlung: Comparison with high precision data*
M.D. Cozma, G.H. Martinus, O. Scholten, R.G.E. Timmermans and J.A. Tjon
Physical Review C, Volume 65, 024001 (2002)
469. *ALICE TRD RESULTS FROM PROTOTYPE TESTS*
A.Andronic, H.Appelshausser, C.Blume, P.Braun-Munzinger, D.Bucher, **V.Catanescu**,
M.Ciobanu, H.Danes, **M.Petrovici**, K.Reygers, R.Santo, R.Schicker, R.S.Simon,
J.Stachel, H.Stelzer, J.Wessels, O.Winkelmann, B.Windelband, C.Xu
Nuclear Physics, A698 (2002), pg.460-463
470. *LORENZ ANGLE MEASUREMENTS WITH ALICE TRD PROTOTYPES*
O.Buschs, A.Andronic, H.Appelshausser, C.Blume, P.Braun-Munzinger, D.Bucher,
A.Catillo Ramirez, **V.Catanescu**, M.Ciobanu, H.Danes, A.Devismes, C.Garabatos,
N.Hermann, M.Ivanov, T.Lister, T.Mahmoud, T.Peitzmann, **M.Petrovici**, K.Reygers,
R.Santo, R.Schicker, S.Sedykh, R.S.Simon, J.Stachel, H.Stelzer, G.Tsiledakis,
B.Vulpescu, J.Wessels, O.Winkelmann, B.Windelband, C.Xu
GSI Scientific Report, 2001, pg.221, GSI 2002-1 April 2002, ISSN 0174-0814
471. *POSITION REZOLUTION WITH PROTOTYPES FOR THE ALICE TRD*
A.Andronic, H.Appelshausser, C.Blume, P.Braun-Munzinger, D.Bucher, O.Buschs,
A.Castillo Ramirez, **V.Catanescu**, M.Ciobanu, H.Danes, A.Devismes, C.Garabatos,
N.Hermann, M.Ivanov, T.Lister, T.Mahmoud, T.Peitzmann, **M.Petrovici**, K.Reygers,
R.Santo, R.Schicker, S.Sedykh, R.S.Simon, J.Stachel, H.Stelzer, G.Tsiledakis,
B.Vulpescu, J.Wessels, O.Winkelmann, B.Windelband, C.Xu
GSI Scientific Report, 2001, pg.220, GSI 2002-1 April 2002, ISSN 0174-0814
472. *TEST OF THE NEW PREAMPLIFIER FOR THE ALICE TRD*
I.Rusanov, J.Stachel, **V.Catanescu**, M.Ciobanu
GSI Scientific Report, 2001, pg.218, GSI 2002-1 April 2002, ISSN 0174-0814
473. *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.Appelshausser, **V.Catanescu**, N.Hermann, T.Mahmoud, R.Schicker, J.Stachel, B.Vulpescu, J.Wessels, C.Xu, D.Bucher, T.Lister, T.Peitzmann, **M.Petrovici**, K.Reygers, R.Santo, O.Winkelmann
 Proceedings on the 7th International Conference on Advanced Technology and Particle Physics (ICATPP-7), ed. M.Barone et al. 2002, pg.592-596
474. *On the efficiency calibration of a drum waste assay system*
 Dinescu, L; Vata, I; Cazan, IL; Macrin, R; **Carageorghopol, G**; Rotarescu, G
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, 487 (3): 661-666 JUL 21 2002
475. *On the scent of the knee - air shower measurements with KASCADE*
 Horandel, JR; Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Blumer, H; Bollmann, E; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Holst, T; Iwan, A; Kampert, KH; Klages, HO; Knapp, J; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Obenland, R; Oehlschlager, J; Petcu, M; Rebel, H; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Vulpescu, B; Weber, JH; Wentz, J; Wochele, J; Zabierowski, J
 NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 110: 453-456 JUL 2002
476. *Mass and charge identification of fragments detected with the Chimera Silicon-CsI(Tl) telescopes N.*
 Le Neindre and the REVERSE collaboration, **I. Berceanu**, D. Moisa, **M. Petrovici**, **A. Pop**, **V. Simion**
 Nuclear Instruments and Methods, in Physics Research , Volume 490A, Pages 251 - 265, (2002)
477. *Particle identification method in the CsI(Tl) scintillator used for the CHIMERA 4pi detector*
 M. Alderighi and the REVERSE collaboration, **I. Berceanu**, D. Moisa, **M. Petrovici**, **A. Pop**, **V. Simion**
 Nuclear Instruments and Methods, in Physics Research , Volume 489A, Pages 257 - 265, (2002)
478. *Recent Developments in RPC*
M.Petrovici, N.Herrmann, K.D.Hildenbrand, M.Ciobanu, M.Duma, I.Cruceru, P.Dima, O.Hartmann, P.Koczon, T.Kress, Y.J.Kim, M.Marquardt, D.Moisa, **M. Petris**, A.Schuttauff, **V.Simion**, G.Stoicea
 Compressed Baryonic Matter Workshop, GSI - Darmstadt, November 15-16, 2002
479. *Large scale nuclear structure calculations for medium mass $N=Z$ nuclei,*
A. Petrovici,
 Nucl. Phys. A704 (2002)144c
480. *Variational approach to medium mass $N=Z$ nuclei,*
 "The Nuclear Many-Body Problem 2001", Eds. W. Nazarewicz and D. Vretenar,
A. Petrovici
 2002 Kluwer Academic Publishers, p. 63

481. *Shape coexistence and center-of-mass effects in $N=Z$ medium mass nuclei*,
A. Petrovici, K.W. Schmid, A. Faessler,
 Nucl. Phys. A 708(2002)190.
482. *Variational approach to shape coexistence in 68Se* ,
A. Petrovici, K.W. Schmid, A. Faessler,
 Nucl. Phys. A 710(2002) 246.
483. *ALICE TRD: Results from Prototype Test*,
 A. Andronic, H. Appelshauser, C. Blume, P. Braun-Munzinger, D. Bucher, **V. Catanescu**,
 M. Ciobanu, H. Daues, A. Devismes, Ch. Finck, N. Herrmann, T. Lister, T. Mahmoud, T.
 Peitzmann, **M. Petrovici**, K. Reygers, R. Santo, R. Schinker, S. Sedykh, R.S. Simon, J.
 Stachel, H. Stelzer, J. Wessels, O. Winkelmann, B. Windelband, C. Xu
 Nuclear Physics, Volume A698, Issues 1-4, Pages:460c - 463c, (2002)
484. *Mass and charge identification of fragments detected with the Chimera Silicon-CsI(Tl)
 telescopes*
 N. Le Neindre, M. Alderighi, A. Anzalone, R. Barná, M. Bartolucci, **I.Berceanu**,
 B.Borderie, R.Bougault, M.Bruno, G.Cardella, S.Cavallaro, M.D'Agostino,
 R.Dayras, E.De Filippo, D. De Pasquale, E.Geraci, F.Giustolisi,
 A.Grzeszczuk, P.Guazzoni, D.Guinet, C. M.Iacono-Manno, A. Italiano, S.Kolwaski,
 A. L. Lanchais, G.Lanzanó, G.Lanzalone, S.Li, S. Lo Nigro, C.Maiolino,
 G.Manfredi, D. Moisa, A. Pagano, M.Papa, T.Paduszynski, **M.Petrovici**, E.Piasecki,
 S.Pirrone, G.Politi, **A.Pop**, F.Porto, M.F.Rivet, E.Rosato, S. Russo, S. Sambataro,
 G. Sechi, **V.Simion**, M.L.Sperduto, J.C.Steckmeyer, C. Sutera, A. Trifirò, L. Tassan-Got,
 M.Trimarchi, G.Vannini, M.Vigilante, J.Wilczynski, H.Wu, Z.Xiao, L.Zetta, W.Zipper
 Nucl.Instr. and Meth. in Phys.Res. 490A(2002)251
485. *Particle identification method in the CsI(Tl) scintillator used for the CHIMERA 4
 detector*
 M. Alderighi, A. Anzalone, R. Bassini, **I.Berceanu**, J. Blicharska, C. Boiano, B.Borderie,
 R.Bougault, M.Bruno, C. Cali G.Cardella, S.Cavallaro, M.D'Agostino, M. D'Andrea,
 R.Dayras, E.De Filippo, F. Fichera, E.Geraci, F.Giustolisi, A.Grzeszczuk, N. Guardone,
 P.Guazzoni, D.Guinet, C. M.Iacono-Manno, S.Kolwaski, E. La Guidara, A. L. Lanchais,
 G.Lanzalone, G.Lanzanò, N. Le Neindre, S.Li, C.Maiolino, Z. Majka, G.Manfredi, D.
 Nicotra, T.Paduszynski, A. Pagano, M.Papa, **M.Petrovici**, E.Piasecki, S.Pirrone, G.Politi,
A.Pop, F.Porto, M.F.Rivet, E.Rosato, G. Sacca, G. Sechi, **V.Simion**, M.L.Sperduto,
 J.C.Steckmeyer, A. Trifirò, M.Trimarchi, S. Urso, G.Vannini, M.Vigilante, J.Wilczynski,
 H.Wu, Z.Xiao, L.Zetta, W.Zipper
 Nucl.Instr. and Meth. in Phys.Res. 489A(2002)257
486. *ALICE TECHNICAL DESIGN REPORT OF TRANSTION RADIATION DETECTOR
 (CAP.5: FRONT-END ELECTRONICS)*;
 V.Lindensthruth, **V.Catanescu**, F.Lesser
 Printed at CERN September 2001, ISBN 92-9083-184-7, pg.500-521
487. *ALICE TRD TRIGGER ARCHITECTURE*
 V.Angelov,**V.Catanescu**, M.Ciobanu, F.Lesser, V.Lindensthruth, R.Schneider
 Proceedings ed. N.Giglietto and P.Spinnelli, Frascati Physics Series, vol.XXV (2001),
 pg.141-145

488. *PROTOTYPE TESTS FOR ALICE TRD*
A.Andronic, H.Appelshausser, C.Blume, P.Braun-Munzinger, **V.Catanescu**, M.Ciobanu, H.Danes, A.Devismes, CH.Finck, N.Hermann, T.Lister, T.Mahmoud, T.Peitzmann, **M.Petrovici**, A.Reischl, K.Reygers, R.Santo, R.Schulze, S.Sedykh, R.S.Simon, J.Stachel, H.Stelzer, J.Wessels, O.Winkelmann, B.Windelband, C.Xu
IEEE Transition on Nuclear Science, vol.48(2001), pg.1259-1264
489. *PROTOTYPE TESTS FOR ALICE TRD*
A.Andronic, H.Appelshausser, C.Blume, P.Braun-Munzinger, D.Bucher, **V.Catanescu**, M.Ciobanu, H.Danes, **M.Petrovici**, K.Reygers, R.Santo, R.Schicker, R.S.Simon, J.Stachel, H.Stelzer, J.Wessels, O.Winkelmann, B.Windelbrand, C.Xu
GSI Scientific Report, 2000, pg.214, GSI 2001-1 April 2001, ISSN 0174-0814
490. *Test of hadronic interaction models in the forward region with KASCADE event rates*
Antoni, T; Apel, WD; Badea, F; Bekk, K; **Bercuci, A**; Bernlohr, K; Blumer, H; Bollmann, E; Bozdog, H; Brancus, IM; Buttner, C; Chilingarian, A; Daumiller, K; Doll, P; Engler, J; Fessler, F; Gils, HJ; Glasstetter, R; Haeusler, R; Haungs, A; Heck, D; Horandel, JR; Holst, T; Iwan, A; Kampert, KH; Kempa, J; Klages, HO; Knapp, J; Maier, G; Mathes, HJ; Mayer, HJ; Milke, J; Muller, M; Oehlschlager, J; Ostapchenko, SS; Petcu, M; Rebel, H; Risse, M; Roth, M; Schatz, G; Schieler, H; Scholz, J; Thouw, T; Ulrich, H; Unger, J; Vulpescu, B; Weber, JH; Wentz, J; Wochele, J; Zabierowski, J; Zagromski, S
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, 27 (8): 1785-1798
AUG 2001
491. *The relevance of the muon charge ratio for the atmospheric neutrino anomaly*
Wentz, J; Badea, AF; **Bercuci, A**; Bozdog, H; Brancus, IM; Mathes, HJ; Petcu, M; Rebel, H; Vulpescu, B
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, 27 (7): 1699-1708
JUL 2001
492. *Prototype tests for the ALICE TRD*
A. Andronic et al. (for the **ALICE Collaboration**)
IEEE Transaction on Nuclear Science, vol.48, No.4, August 2001
493. *Proton and deuteron rapidity distributions and nuclear stopping in $^{96}\text{Ru } ^{96}\text{Zr} + ^{96}\text{Ru } ^{96}\text{Zr}$ collisions at 400 A-MeV*
B. Hong and **FOPI - Collaboration**
Phys.Rev. C66(2002)034901
494. *Global Features of Dissipative Processes in Light Heavy-Ion Collisions*
A.Pop, A.Andronic, **I.Berceanu**, M.Duma, D.Moisa, **M.Petrovici**, **V.Simion**, A.Bonasera, G.Imme, G.Lanzano, A.Pagano, G.Raciti, N.Colonna, G.d Erasmo, A.Pantaleo, H.Feldmeier, J.Schnack
Nucl.Phys. A679, 793 (2001)
495. *Physics with the Chimera Detector at LNS at Catania: The REVERSE experiment*
A.Pagano, S.Aiello, M.Alderighi, A.Anzalone, M.Baldo, R.Barna, M.Bartolucci, **I.Berceanu**, A.Bonasera, B.Borderie, A.Botvina, R.Bougault, M.Bruno, G.Cardella, S.Cavallaro, M.Colonna, M.D Agostino, E.D Amico, R.Dayras, N.De Cesare, E.De Filippo, D.De Pasquale, M.Di Toro, S.Femino, E.Fuschini, E.Geraci, M.Geraci, F.Giustolisi, A.Grzeszczuk, P.Guazzoni, D.Guinet, M.Iacono-Manno, A.Italiano,

- S.Kolwaski, G.Lanzano, G.Lanzalone, N.Le Neindre, S.Li, U.Lombardo, S.Lo Nigro, C.Maiolino, D.Mahboub, G.Manfredi, G.Margagliotti, D.Moisa, T.Paduszynski, M.Papa, **M.Petrovici**, E.Piasecki, S.Pirrone, G.Politi, E.Pollacco, **A.Pop**, F.Porto, A.Rapisarda, M.F.Rivet, E.Rosato, S.Sambataro, G.Sechi, **V.Simion**, M.L.Sperduto, J.C.Steckmeyer, C.Sutera, A.Trifiro, M.Trimarchi, G.Vannini, M.Vigilante, J.Wilczynski, H.Wu, Z.Xiao, L.Zetta, W.Zipper
Nucl.Phys. A681, 331c (2001)
496. *Physics with the Chimera detector at LNS in Catania:The REVERSE experiment*
A. Pagano and the REVERSE collaboration, **I. Berceanu**, D. Moisa, **M. Petrovici**, **A. Pop**, **V. Simion**
Nuclear Physics, Volume A681, Pages 331c - 338c (2001)
497. *Global features of dissipative processes in light heavy ion collisions*
A. Pop, A. Andronic, **I. Berceanu**, M. Duma, D. Moisa, **M. Petrovici**, **V. Simion**, A. Bonasera, G. Immé, G. Lanzaò, A. Pagano, G. Raciti, N. Colonna, G. d'Erasmus, A. Pantaleo, H. Feldmeier, J. Schnack
Nucl. Phys. A679 (2001) p. 793
498. *Variational approach to coexistence phenomena in $N = Z$ nuclei*,
A. Petrovici,
In: Proc. of NATO Advanced Study Institute on "Nuclei Far from Stability and Astrophysics", Eds. D. Poenaru, H. Rebel and J. Wentz, Kluwer Academic Publishers (2001) p. 103
499. *Variational approach to shape coexistence in ^{56}Ni* ,
A. Petrovici, K.W. Schmid, A. Faessler,
Nucl. Phys. A689 (2001) 707.
500. *Differential directed flow in $\text{Au} + \text{Au}$ collisions*
A. Andronic and **FOPI - Collaboration**
Phys.Rev. C64(2001)041604
501. *Transition from in-plane to out-of-plane azimuthal enhancement in $\text{Au} + \text{Au}$ collisions*
A. Andronic and **FOPI - Collaboration**
Nucl. Phys. A679(2001)765
502. *Differential directed flow in $\text{Au} + \text{Au}$ collisions*
A. Andronic si Colaborarea FOPI, D. Moisa, **M. Petrovici**, **V. Simion**
Physical Review, Volume C64, Page 041604 (2001)
503. *PROTOTYPE TESTS FOR ALICE TRD*
A.Andronic, H.Appelshausser, C.Blume, P.Braun-Munzinger, **V.Catanescu**, M.Ciobanu, H.Danes, A.Devismes, N.Hermann, M.Ivanov, T.Peitzmann, **M.Petrovici**, A.Reischl, M.Richter, M.Schlagheck, R.Schulze, S.Sedykh, R.S.Simon, J.Stachel, H.Stelzer
GSI Scientific Report, 1999, pg.225, GSI 2000-1 March 2000, ISSN 0174-0814
504. *PROTOTYPE TESTS FOR ALICE TRD*
A.Andronic, H.Appelshausser, C.Blume, P.Braun-Munzinger, **V.Catanescu**, M.Ciobanu, H.Danes, A.Devismes, CH.Finck, N.Hermann, T.Lister, T.Mahmoud, T.Peitzmann, **M.Petrovici**, A.Reischl, K.Reyggers, R.Santo, R.Schulze, S.Sedykh, R.S.Simon, J.Stachel, H.Stelzer, J.Wessels, O.Winkelmann, B.Windelband, C.Xu

- 2000 IEEE Nuclear Science Symposium, Lyon, France, 15-20 Oct.2000. Conference Record (Cat.No.00CH37149), vol.2(2000), No11, pg.7-12
505. *Microscopic aspects of shape coexistence in ^{72}Kr and ^{74}Kr* ,
A. Petrovici, K.W. Schmid, A. Faessler,
 Nucl. Phys. A665 (2000) 333
506. *Variational approach to medium mass $N=Z$ nuclei*,
A. Petrovici,
 Proc. Int. Conf. "The Nucleus: New Physics for the New Millennium", Cape Town, Eds. F.D. Smit et al., Kluwer Academic Publishers, New York (2000) p. 335
507. *Shape coexistence phenomena in medium mass nuclei*,
A. Petrovici,
 In: Proc. of Int. Symp. "Advances in Nuclear Physics", Eds. D. Poenaru, S. Stoica, World Scientific (2000) p. 352
508. *Sideward flow of in $\text{Ru}+\text{Ru}$ and $\text{Ni}+\text{Ni}$ reactions at SIS energies*
 P. Crochet and **FOPI - Collaboration**
 Phys.Lett. B486(2000)6
509. *Direct comparison of space-phase distributions of and mesons in heavy ion collisions at SIS energies - evidence for in-medium modifications of kaons?*
 K. Wisniewski and **FOPI - Collaboration**
 Eur.Phys.J.A. 9(2000)515
510. *Isospin-tracing: A probe of non-equilibrium in central heavy-ion collisions*
 F. Rami and **FOPI - Collaboration**
 Phys.Rev.Lett 84(2000)1120
511. *Mass and charge identification of fragments detected with the Chimera Silicon-CsI(Tl) telescopes*
 Le Neindre N, Alderighi M, Anzalone A, Barna R, Bartolucci M, **Berceanu I**, Borderie B, Bougault R, Bruno M, Cardella G, Cavallaro S, D Agostino M, Dayras R, De Filippo E, De
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 490
512. *Particle identification method in the CsI(Tl) scintillator used for the CHIMERA 4 pi detector*
 Alderighi M, Anzalone A, Bassini R, **Berceanu I**, Blicharska J, Boiano C, Borderie B, Bougault R, Bruno M, Cali C, Cardella G, Cavallaro S, D Agostino M, D Andrea M, Dayras R,
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 489
513. *Fluctuations of the second order observables for dissipative processes in $\text{F-19}+\text{Al-27}$ system*
Berceanu I, Andronic A, Duma M, Moisa D, **Petrovici M**, **Pop A**, **Simion V**, Del Zoppo

- A, D Erasmo G, Imme G, Lanzano G, Pagano A, Pantaleo A, Raciti G
PRAMANA-JOURNAL OF PHYSICS 53 (3): 419-424 SEP 1999
514. *Fluctuations of the second order observables for dissipative processes in $^{19}\text{F}+^{27}\text{Al}$*
I. Berceanu, A. Andronic, M. Duma, D. Moisa, **M. Petrovici**, **A. Pop**, **V. Simion** et al.
PRAMANA-journal of physics Volume 53, Pages 419 - 424, 1999
515. *Proton Irradiation Effects in Epitaxial Silicon Detectors*
C.Tivarus, I.Pintilie, L.Pintilie, **M.Petris**, D.Moisa
Proceedings of the 1st Workshop European Network on Defect Engineering of Advanced Semiconductor Devices, ENDEASD(1999), Santorini, Greece, April 21-22, 1999, p.147-156
516. *Neutron-proton pairing correlations in medium-mass $N \approx Z$ nuclei*
A. Petrovici, K.W. Schmid, A. Faessler,
Nucl. Phys. A647 (1999) 197.
517. *Large scale nuclear structure studies of medium-mass nuclei,*
A. Petrovici,
J.Phys.G: Nucl.Part.Phys. 25 (1999) 803
518. *Microscopic description of exotic nuclear structure ,*
A. Petrovici, K.W.Schmid, A.Faessler,
Proc. of the Int. Summer School "Structure and stability of nucleon and nuclear systems",
Eds. A. Raduta et al., World Scientific (1999) p.138
519. *Shape coexistence phenomena in medium mass nuclei,*
A. Petrovici, K.W. Schmid, A. Faessler, J.H. Hamilton, A.V. Ramayya,
Progr. Part. Nucl. Phys. 43 (1999) 485-535
520. *On the space-time difference of proton and composite particle emission in central heavy-ion reactions at $400 \text{ A} \cdot \text{MeV}$*
R. Kotte and **FOPI - Collaboration**
Eur.Phys.J.A. 6(1999)185
521. *Expansion dynamics and EoS in semi-central heavy ion collisions*
A. Andronic and **FOPI - Collaboration**
Prog.Part.Nucl.Phys. 42(1999)161
522. *Elliptic flow and equation of state in heavy ion collisions at SIS energies*
A. Andronic and **FOPI - Collaboration**
Nucl. Phys. A661(1999)333
523. *Flow angle from intermediate mass fragment measurements*
F. Rami and **FOPI - Collaboration**
Nucl. Phys. A646(1999)367
524. *Excitation function studies for deep inelastic processes in $\text{F-19} + \text{Al-27}$ collisions*
Berceanu I, Andronic A, Duma M, Moisa D, **Petrovici M**, **Pop A**, **Simion V**, Del Zoppo A, d Erasmo G, Imme G, Lanzano G, Pagano A, Pantaleo A, Raciti G
PHYSICAL REVIEW C 57 (5): 2359-2369 MAY 1998

525. *Excitation function studies for deep inelastic processes in $^{19}\text{F}+^{27}\text{Al}$ collisions*
I. Berceanu, A. Andronic, M. Duma, D. Moisa, **M. Petrovici**, **A. Pop**, **V. Simion** et al.
 Physical Review Volume C57, Pages 2359 - 2369, 1998
526. *Lifetime measurements of normally deformed and superdeformed states in ^{82}Sr ,*
 C.-H. Yu, C. Baktash, M.J. Brinkman, H.-Q. Jin, D. Rudolph, C.J. Gross, M. Devlin, D.R.
 La Fosse, F. Lerma, D.G. Sarantities, G.N. Sylvan, S.L. Tabor, I. Birriel, J.X. Saladin,
 D.F. Winchell, V.Q. Wood, R.M. Clark, P. Fallon, I.Y. Lee, A.O. Macchiavelli, J.C. Wells,
A. Petrovici, K.W. Schmid, A. Faessler,
 Phys.Rev. C57 (1998) 113
527. *Evidence for yrast positive-parity high-spin states in odd-odd ^{72}As ,*
 J. Döring, D. Pantelica, **A. Petrovici**, B.R.S. Babu, J.H. Hamilton, J. Kormicki, Q.H. Lu,
 A.V. Ramayya, O.J. Tekyi-Mensah, S.L. Tabor,
 Phys.Rev. C57 (1998) 97
528. *Flow in heavy ion collisions at SIS energies*
 P. Crochet and **FOPI - Collaboration**
 Acta Physics Polonica B29(1998)3185
529. *Identification of baryon resonances in central heavy-ion collisions at energies between 1 and 2 AGeV*
 M. Eskef and **FOPI - Collaboration**
 Eur. Phys.J. A3(1998)335
530. *Stopping and radial flow in central $^{58}\text{Ni} + ^{58}\text{Ni}$ collisions between 1 and 2 A.Gev*
 B. Hong and **FOPI - Collaboration**
 Phys. Rev. 57C(1998)244
531. *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
 Phys.Rev. C57(1998)2359
532. *Microscopic aspects of identical bands in ^{78}Sr and ^{78}Rb ,*
A. Petrovici, K.W. Schmid, A. Faessler,
 Z.Phys. A359 (1997) 19
533. *Microscopic aspects of identical bands in the $A=70$ mass region,*
A. Petrovici, K.W. Schmid, A. Faessler,
 Progr.Part.Nucl.Phys. 38 (1997) 161
534. *Evidence for a highly deformed oblate 0^+ state in ^{74}Kr ,*
 C. Chandler, P.H. Regan, C.J. Pearson, B. Blank, A.M. Bruce, W.N. Catford, N. Curtis, S.
 Czajkowski, W. Gelletly, R. Grzywacz, Z. Janas, M. Lewitowicz, C. Marchand, N.A. Orr,
 R.D. Page, **A. Petrovici**, A.T. Reed, M.G. Saint-Laurent, S.M. Vincent, R. Wadsworth,
 D.D. Warner, J.S. Winfield,
 Phys.Rev. C56 (1997) R2924

535. *Azimuthal anisotropies as stringent test for nuclear transport model*
P. Crochet and **FOPI - Collaboration**
Nucl. Phys. A627(1997)522
536. *Onset of nuclear matter flow in Au+Au collisions*
P. Crochet and **FOPI - Collaboration**
Nucl. Phys. A624(1997)755
537. *Charged Pion Production in Au on Au Collisions at 1 AGeV*
D. Pelte and **FOPI - Collaboration**
Z. Physik, A357(1997)215
538. *Shape of Collective Flow in Highly Central Au (150 A MeV) + Au Collisions*
C. Roy and **FOPI - Collaboration**
Z. Physik A358(1997)73
539. *Proton-Proton Correlations in Central Collisions of Ni+Ni at 1.93 A GeV and the Space-Time Extent of the Emission Source*
R. Kotte and **FOPI - Collaboration**
Z. Phys. A359(1997)47
540. *Out-of-Plane Emission of Nuclear Matter in Au + Au Collisions Between 100 and 800 A MeV*
N. Bastid, A. Buta, P. Crochet, P. Dupieux, **M. Petrovici** and **FOPI - Collaboration**
Nucl. Phys. A622(1997)573
541. *Charged pions from Ni on Ni collisions between 1 and 2 AGeV*
D. Pelte and **FOPI - Collaboration**
Z. Physik A359(1997)55
542. *K⁺ production in the reaction 58Ni+58Ni at incident energies from 1 to 2 AGeV*
D. Best and **FOPI - Collaboration**
Nucl. Phys. A625(1997)307
543. *Abundance of delta resonance in 58Ni+58Ni collisions between 1 and 2 GeV per nucleon*
B. Hong and **FOPI - Collaboration**
Phys. Lett. B407(1997)115
544. *Systematic trends of element distributions in light heavy ion dissipative processes; Charge variance systematics revisited*
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
Phys. Lett. B397(1997)25
545. *Central Collisions of Au on Au at 150, 250 and 400 A MeV*
W. Reisdorf and **FOPI - Collaboration**
Nucl. Phys. A612(1997)493
546. *Structure of odd-odd 72As: Theory and Experiment*,
D. Pantelica, A. Pantelica, F. Negoita, **A. Petrovici**, K. W. Schmid, A. Faessler, J. H. Hamilton, A. V. Ramayya, J. Kormicki, N. R. Johnson, I. Y. Lee, C. Baktash, F. K. McGowan, J. D. Cole,

- E.F.Zganjar, T.M.Cormier,
J.Phys. G22, No.7 (1996) 1013
547. *Shape coexistence and shape transition in $N \approx Z$ nuclei from Krypton to Molybdenum*,
A. Petrovici, K.W. Schmid, A.Faessler,
Nucl.Phys. A605 (1996) 290
548. *Negative parity states in 68Ge : Theory and Experiment*,
L.Chaturvedi, B.R.S.Babu, J.H.Hamilton, A.V.Ramayya, W.C.Ma, S.J.Zhu, J.Kormicki,
A. Petrovici, K.W.Schmid, A.Faessler, N.R.Johnson, I.Y.Lee, C.Baktash, F.K.McGowan,
M.L.Halbert, M.Riley, J.D.Cole,
Int.J.Mod.Phys. E5, No.3 (1996) 565
549. *High spin states in 68As : Theory and Experiment*,
A. Petrovici, K.W.Schmid, A.Faessler, D.Pantelica, F.Negoita, B.R.S.Babu,
A.V.Ramayya, J.H.Hamilton, J.Kormicki, L.Chaturvedi, W.C.Ma, S.J.Zhu, N.R.Johnson,
I.Y.Lee, C.Baktash, F.K.McGowan, M.L.Halbert, M.Riley, J.D.Cole,
Phys.Rev. C53 (1996) 2134
550. *Dissipative processes in $F+Al$ reaction at 5.6 MeV/u*
M. Petrovici, A. Andronic, **I.Berceanu**, A.Buta, M.Duma, D.Moisa, **A.Pop**, **V.Simion**,
S.Aiello, G.Imme, G.Lanzano, A.Pagano, G.Raciti, G.D'Erasmo, A.Pantaleo, G.Guarino,
H.Saccetti
Z. Phys. A354,(1996)11
551. *Central $Au + Au$ Collisions*
A. Gobbi and **FOPI Collaboration**
Nucl.Phys.A583(1995)499
552. *Analysis of the sequential fission observed in collisions of $100\text{Mo} + 100\text{Mo}$ and $120\text{Sn} + 120\text{Sn}$ around $20 \text{ A} \cdot \text{MeV}$*
A.A.Stefanini, G.Casini, P.R.Maurenzig, A.Olmi, R.J.Charity, R.Freifelder, A.Gobbi,
N.Herrmann, K. D. Hildenbrand, **M.Petrovici**, F.Rami, H.Stelzer, J.P.Wessels, M.Gnirs,
D.Pelte, J.Galin, D.Guerreau, U.Jahnke, A.Peghaire, J.C.Adloff, B.Bilwes, R.Bilwes,
G.Rudolf
Z.Phys.351A(1995)167
553. *Entropy in central $Au+Au$ collisions between 100 and 400 A MeV*
M. Dzelalija and **FOPI - Collaboration**
Phys.Rev. 52C(1995)346
554. *Interplay of collective flow phenomena and velocity correlations of intermediate-mass fragments in collisions $Au+Au$ at $E=(100-400) \text{ A MeV}$*
R. Kotte and **FOPI - Collaboration**
Phys.Rev. 51C(1995)2686
555. *On the Transverse Momentum Distribution of Strange Hadrons Produced in Relativistic Heavy Ion Collisions*
J.L. Ritman and **FOPI - Collaboration**
Z.Phys. A352(1995)355

556. *Sideways Flow in Au + Au Collision at 400 A·MeV*
V. Ramillien and **FOPI - Collaboration**
Nucl.Phys.A587(1995)802
557. *Evidence for Collective Expansion in Light-Particle Emission Following Au + Au Collision at 100, 150 and 250 A·MeV*
G. Poggi and **FOPI - Collaboration**
Nucl.Phys. A586(1995)755
558. *Cluster formation during expansion of hot and compressed nuclear matter produced in central collisions of Au+Au at 250 A MeV*
M.Petrovici and **FOPI - Collaboration**
Phys. Rev. Lett.25(1995)5001
559. *Variational approach to complex nuclear structure problems,*
K.W.Schmid, **A. Petrovici**,
Eds. W. Scheid, A. Sandulescu, NATO Adv.Stud.Series, Plenum, NY (1994) p. 279
560. *Neutron-proton interaction and structure of bands in 72As,*
A. Petrovici, K.W.Schmid, A.Faessler,
Nucl.Phys. A571 (1994) 77
561. *Energy Dependence of Collective Flow of Neutrons and Protons in 197Au + 197Au Collisions at 100, 150 and 250 A·MeV*
D. Lambrecht and LAND and **FOPI-Collaboration**
Z. Phys. 350A(1994)115
562. *Collective Motion in Selected Central Collisions of Au on Au at 150 A MeV*
S.C.Jeong and **FOPI-Collaboration**
Phys.Rev.Lett. 72 (1994) 3468
563. *Microscopic description of the shape coexistence in the A=70 region using real and complex mean fields,*
A. Petrovici,
in Proc. of Symp. on "Nuclear Physics of our Times", Sanibel Island, Florida, USA,
Ed. A.V. Ramayya, World Scientific (1993) p.615
564. *Structure of negative parity states in 68Ge,*
A. Petrovici, K.W.Schmid, A.Faessler,
Z.Phys. A347 (1993) 15
565. *Nucleon pair structure of realistic many body wave functions,*
A. Petrovici, K.W.Schmid, A.Faessler,
Z.Phys. A347 (1993) 87
566. *Negative parity states in 68Ge: Theory and Experiment,*
A. Petrovici, K.W.Schmid, A.Faessler, B.R.S.Babu, L.Chaturvedi, J.H.Hamilton,
A.V.Ramayya, S.J.Zhu, J.Kormialexflp2007.texcki, N.R.Johnson, I.Y.Lee, C.Baktash,
F.K.McGowan, M.L.Halbert, M.Riley, J.D.Cole,
APS Meeting, California, Oct. 1993,
Bull.Am.Phys.Soc. 38 (1993) 1858

567. *Structure of odd-odd 72As: Theory and Experiment*,
A. Petrovici, K.W.Schmid, A.Faessler, D.Pantelica, A.Pantelica, F.Negoita,
 J.H.Hamilton, A.V.Ramayya, J.Kormicki, N.R.Johnson, I.Y.Lee, C.Baktash,
 F.K.McGowan, J.D.Cole, E.F.Zganjar, T.M.Cormier,
 South Easter Meeting of APS, Columbia, South Carolina, Nov. 1993,
 Bull.Am.Phys.Soc. 38 (1993) 2170
568. *Fast particle emission in incomplete deep inelastic collisions*
A. Pop, M. Petrovici
 Rom. Journ. of Phys. 38(1993)437
569. *Exclusive studies of neutron and charged particle emission in collisions of $^{197}\text{Au}+^{197}\text{Au}$ at 400 MeV/nucleon*
 Y.Leifels and LAND and **FOPI-Collaboration**
 Phys.Rev.Lett.71(1993)963
570. *Velocity correlations of intermediate mass fragments produced in central collisions of $\text{Au} + \text{Au}$ at $E=150 \text{ A.MeV}$*
 B.Kampfer and **FOPI-Collaboration**
 Phys.Rev. C48 (1993) R955
571. *Entropy Production in the $\text{Au}(150-800 \text{ A MeV}) + \text{Au}$ Reaction*
 C.Kuhn and **FOPI-Collaboration**
 Phys.Rev.C48 (1993) 1232
572. *A highly segmented E-time-of-flight wall as forward detector of the 4 system for charged particles at the SIS/ESR accelerator*
 A. Gobbi and **FOPI-Collaboration**
 GSI-92-28 Preprint, Mai 1992
 N I M 324A(1993)156
573. *Shape coexistence in the $A=70$ region including neutron-proton interaction and unnatural-parity correlations in the mean field*,
A. Petrovici, E.Hammaren, K.W.Schmid, F.Gr"ummer, A.Faessler,
 Nucl.Phys. A549 (1992) 352
574. *Shape coexistence in the mass-70 region*,
 E.Bender, K.W.Schmid, **A. Petrovici**, F.Gr"ummer, A.Faessler,
 Progr.Part.Nucl.Phys. 28 (1992) 129
575. *Microscopic description of the shape coexistence in the $A=70$ mass region*,
A. Petrovici, K.W.Schmid, A.Faessler,
 Sov.J.Part.Nucl. 23(4) (July-Aug.(1992)) 402
576. *A midrapidity source of intermediate mass fragments in highly central collisions of $\text{Au}+\text{Au}$ at 150 A MeV*
 J.P.Alard and **FOPI-Collaboration**
 GSI-92-07 Preprint, Feb. 1992
 Phys. Rev. Lett. 69(1992)889
577. *Test of microscopic calculations of multiple band structures and large deformations in ^{68}Ge and ^{72}Se* ,

- L.Chaturvedi, X.Zhao, A.V.Ramayya, J.H.Hamilton, J.Kormicki, S.Zhu, G.Girit, H.Xie, W.B.Gao, Y.R.Jiang, **A. Petrovici**, K.W.Schmid, A.Faessler, N.R.Johnson, C.Baktash, I.Y.Lee, F.K.McGowan, M.L.Halbert, M.A.Riley, J.H.McNeill, M.O.Kortelahti, J.D.Cole, R.B.Piercey, Q.Jin,
Phys.Rev. C43 (1991) 2541
578. *Calculation of charge and transition charge densities in some even mass Ge isotopes from microscopic nuclear structure wave functions*,
A. Petrovici, K.W.Schmid, F.Grümmer, A.Faessler,
Z.Phys. A339 (1991) 71
579. *Results on two-, three-, and four-body events from $100\text{Mo} + 100\text{Mo}$ and $120\text{Sn} + 120\text{Sn}$ collisions around $E/A=20\text{MeV}$*
R.J.Charity, R.Freifelder, A.Gobbi, N.Herrmann, K. D. Hildenbrand, F.Rami, H.Stelzer, J.P.Wessels, G.Casini, P.R.Maurenzig, A.Olmi, A.A.Stefanini, J.Galin, D.Guerreau, U.Jahnke, A.Peghaire, J.C.Adloff, B.Bilwes, R.Bilwes, G.Rudolf, **M.Petrovici**, M.Gnirs, and D.Pelte
Z.Phys.341A(1991)53
580. *New microscopic aspects of the shape coexistence in the $A=70$ mass region*,
A. Petrovici, K.W.Schmid, F.Grümmer, A.Faessler,
Nucl.Phys. A517 (1990) 108
581. *Microscopic insights into the shape coexistence in the $A=70$ region*,
A. Petrovici,
In:Proc. of Int. Summer School on "Recent Advances in Nuclear Structure", Predeal, Romania (1990)
582. *The effect of induced weak interactions in the forbidden beta decay of 76As* ,
D.Bogdan, A.Faessler, **A. Petrovici**, S.Holan, M.Cristu,
Rev.Roum.Phys.34 (1989) 1387
583. *Shape coexistence at high β spins in the nuclei 68Ge and 72Se* ,
A. Petrovici, K.W.Schmid, F.Grümmer, A.Faessler,
Nucl.Phys. A504 (1989) 277
584. *Microscopic description of low-lying states in even Ge and Se nuclei*,
A. Petrovici, K.W.Schmid, F.Grümmer, A.Faessler, T.Horibata,
Nucl.Phys.A483 (1988) 317
585. *Competition between beta-plus and beta-minus decay of the transitional nucleus 74As* ,
M.Cristu, S.Holan, A.Faessler, **A. Petrovici**,
Z.Phys. A331 (1988) 287
586. *Microscopic description of even Ge and Se nuclei*,
F.Grümmer, **A. Petrovici**, K.W.Schmid,
in Proceedings of Int.Workshop on Nuclear Structure, Bad-Honnef (1988)
587. *Microscopic description of shape coexistence in $A=70$ mass region*,
A. Petrovici,
In:Proc. of Int. Summer School "Advances in Nuclear Physics", Brasov (1988)

588. *Fast dissipative collisions*
M. Petrovici, J. Albinski, R. Bock, R. Cusson, A. Gobbi, G. Guarino, S. Gralla, K. D. Hildenbrand, W. F. J. Muller, A. Olmi, H. Stelzer, J. Toke
 GSI-87-10 Preprint , Feb. 1987
 Nucl Phys. A477 (1988) 277
589. *Isospin relaxation in the $98\text{Mo} + 98\text{Mo}$ at 14.7 MeV/u*
 G. Guarino, E. M. Fiore, A. Pantaleo, V. Paticchio, A. Gobbi, **M. Petrovici**
 Phys. Rev C38 (1988) 1944
590. *Deep inelastic interaction in the system $14\text{N} (110 \text{ MeV}) + 24\text{Mg}$*
I. Berceanu, I. Brancus, A. Buta, A. Demian, C. Grama, I. Lazar, I. Mihai, M. Petrascu,
M. Petrovici, **V. Simion**, K. V. Karadjev, A. A. Korsheninikov, I. B. Mazurov, S. B. Sakuta, A. A. Ogloblin
 Rev. Roum. Phys 32 (1987) 961
591. *The energy dependence of the multinucleon transfer processes for the $19\text{F}+24\text{Mg}$ system in the energy range $E=(72.0-87.9) \text{ MeV}$*
 A. Buta, **I. Berceanu**, I. Brancus, A. Demian, C. Grama, I. Lazar, I. Miah, M. Petrascu,
M. Petrovici, **V. Simion**
 Rev. Roum. Phys. 31(1986)29
592. *Deep inelastic interaction in the system $16\text{O} (64 \text{ MeV}) + 24\text{Mg}$*
 M. Petrascu, **I. Berceanu**, I. Brancus, A. Buta, A. Demian, C. Grama, I. Lazar, I. Mihai,
M. Petrovici, **V. Simion**
 Rev. Roum. Phys. 31 (1986) 311
593. *AUTOMATIC MEASURING SYSTEMS IN CAMAC STANDARD*
 H.Bozdog, M.Caprini, **V.Catanescu**, M.Ceaus, B.Goran, D.Neagu, D.Niculescu,
 S.Solomon, V.Valeanu
 Metrologia Aplicata, vol.32, nr.1 pg.6-8, 1985
594. *Rotor and IBA description of proton and neutron alignment in the Ba and Ce isotopes*,
 A. Faessler, S.Kuyucak, **A. Petrovici**, L.Petersen,
 Nucl.Phys. A438 (1985) 78
595. *Neutrino masses and right-handed current in the neutrinoless double beta decay $76\text{Ge} \rightarrow 76\text{Se} + 2e^-$* ,
 D.Bogdan, A. Faessler, **A. Petrovici**, S.Holan,
 Phys.Lett. 150B (1985) 29
596. *The $^{92}\text{Mo}+^{92}\text{Mo}$ reaction at 14.7 MeV/u : approaching the limits of the classical deep inelastic process*
 S. Gralla, R. Bock, A. Gobbi, K. D. Hildenbrand, J. Kuzminski, U. Lynen, W. F. J. Muller, A. Olmi, **M. Petrovici**, H. Sann, H. Stelzer, J. Toke, H. J. Wollersheim
 Phys. Rev. Lett. 54(1985)1898
597. *Entrance channel effects near the threshold for deep inelastic collisions in light nuclear systems*
 M. Petrascu, **I. Berceanu**, I. Brancus, A. Buta, C. Grama, I. Lazar, I. Mihai, **M. Petrovici**,
V. Simion
 Fizika, 16 (1984) 53 Suppl. 1

598. *A METHOD FOR ANALYSIS AND PROFILING OF BORON, CARBON AND OXYGEN IMPURITIES IN SEMICONDUCTOR WAFERS BY RECOIL ATOMS IN HEAVY-ION BEAMS*
 Petrascu M, **Berceanu I**, Brancus I, Buta A, Duma M, Grama C, Lazar I, Mihai I, **Petrovici M, Simion V**, Mihaila M, Ghita I
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS 232 (3): 396-398 1984
599. *Deep inelastic collisions in the system $^{19}\text{F}+^{24}\text{Mg}$ at 72 MeV incident energy of ^{19}F projectiles*
 M. Petrascu, **I. Berceanu**, I. Brancus, A. Buta, C. Grama, I. Lazar, I. Mihai, **M. Petrovici, V. Simion**
 Rev. Roum. Phys. 29(1984)689
600. *A method for analysis and profiling of boron, carbon and oxygen impurities in semiconductor wafers by recoil atoms in beams*
 M. Petrascu, **I. Berceanu**, I. Brancus, A. Buta, M. Duma, C. Grama, I. Lazar, I. Mihai, **M. Petrovici, V. Simion**, M. Mihaila, I. Ghita
 Nucl. Instr. Meth. in Phys. Res.B4(1984)396
601. Two quasiparticle admixtures in the symmetric rotor model in Ge and Zn isotopes,
A. Petrovici, A. Faessler
 Nucl.Phys. A395 (1983) 44
602. Microscopic calculation of the collective motion in ^{76}Kr ,
A. Petrovici, A.Faessler, Th.Köppel,
 Z.Phys. A314 (1983) 227
603. *Moments of charge distributions in the reaction $^{92}\text{Mo}+^{92}\text{Mo}$ at 14.7 MeV/u*
 S. Gralla, Dai guang-Xi, A. gobbi, K. D. Hildenbrand, W. F. J. Muller, A. Olmi, **M. Petrovici**, H. Stelzer, J. Toke, H. J. Wollersheim, R. Bock, U. Lynen
 GSI - 83.3 Preprint, Feb. 1983
 Zeit. f. Phys. A310 (1983) 345
604. *MEMORY MAPPED MICROCOMPUTER - CAMAC INTERFACE CRATE CONTROLLER MPI III/II2*
V.Catanescu, V.Valeanu
 Preprint Institutul Central de Fizica, E-5-1982
605. *A method of the absolute measurement of the thermal neutron flux based on the $^7\text{Li} - ^7\text{Li}$ coincidence technique*
 M. A. Abou-Leila, **I. Berceanu**, C. Borcea, I. Brancus, A. Buta, A. Constantinescu, K. Galawez, C. Grama, S. U. El-Kameesy, I. Lazar, I. Mihai, M. Petrascu, **M. Petrovici, V. Simion**, C. Voiculescu
 Rev. Roum. Phys. 27 (1982) 881
606. *Alpha-cluster states in ^{12}C nucleus over excited closed shells*
 K. V. Karadzehev, V. I. Manko, A. N. Nersessyan, L. V. Gluhov, C. Borcea, A. Buta, M. Petrascu, **M. Petrovici**
 Preprint IAE-2967, Kurciatov Institute, Moscow
 Iad. Fiz. 36(1982)308

607. *On a quantum treatment of charge equilibration in damped nuclear collisions*
M. Petrovici
 J. Phys. G: Nucl. Phys. 7 (1981) 1515
608. *On the dynamics of charge equilibration in deep inelastic reactions*
 A. Sandulescu, **M. Petrovici**, **A. Pop**, M. S. Popa, J. Hahn, K. H. Ziegenhain, W. Greiner
 UFTP Preprint 35/1980
 J. Phys G: Nucl. Phys. 7 (1981) 155
609. *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**
 Vaprosi Atomnoi Nauki i Tehniki 4(1981)3
610. *Energy gain measurements on the resonant cavities of the heavy ion linear accelerator*
 I. Brancus, A. Buta, C. Grama, G. Indrias, I. Lazar, I. Mihai, S. Papureanu, M. Petrascu, **M. Petrovici**, **V. Simion**, C. Sarbu, L. Trache
 Rev. Roum. Phys. 26 (1981) 471
611. *Measurements of the parameters for the first analysing magnet used in the postaccelerating system*
I. Berceanu, I. Brancus, A. Buta, S. Dobrescu, C. Grama, G. Indrias, I. Lazar, I. Mihai, S. Papureanu, M. Petrascu, **M. Petrovici**, **V. Simion**
 St. cerc. Fiz. 33 (1981) 405
612. *The determination of the energy resolutions for the Tandem accelerator*
 M. A. A. Abou-Leila, **I. Berceanu**, I. Brancus, A. Buta, C. Grama, G. Indrias, I. Lazar, I. Mihai, S. Papureanu, M. Petrascu, **M. Petrovici**, **V. Simion**
 St. Cerc. Fiz. 33 (1981)409
613. *Resonant behaviour of $24\text{Mg}(12\text{C},\alpha_0)32\text{S}$ reaction in the energy range 21.8-26.0 MeV*
 W. A. A. Abou-Leila, I. Brancus, A. Buta, C. Grama, S. U. El-Kameesy, I. Lazar, I. Mihai, M. Petrascu, **M. Petrovici**, **V. Simion**
 Fizika 13 (1981) 39, Suppl. 1
614. *Intermediate structures and statistical fluctuations in the $12\text{C}+24\text{Mg}$ system*
 M. C. Mermaz, A. Greiner, B. T. Kim, M. J. Le Vine, E. Muller, M. Ruscev, M. Petrascu, **M. Petrovici**, **V. Simion**
 Phys. Rev. C24 (1981) 1512
615. *Noi posibilitati de utilizare a calculatorului pdp - 15 pentru analiza de timp real a fluctuatiilor populatiei de neutroni din reactorii nucleari experimentali*
 G. Fratiloiu, G. Cristea, **V. Catanescu**
 Preprint ICEFIZ, FR-156-1976
616. *SAMPLING AND ANALOGUE-DIGITAL CIRCUIT*
V. Catanescu, M. Sampaleanu
 Automatica si Electronica vol.17, no.2 pg.49-53, 1773

617. *Utilization of Field Effect Transistors in Chopper-Type Direct Current Amplifier*
V.Catanescu
Automatica si Electronica vol.16, no.4, pg.189-192, 1972
618. *BKANK OUT INSIGNIFICANT ZEROS IN YOUR DIGITAL READOUT*
V.Catanescu, D.Poenaru
Electronid Design, vol.6, March 15, pg.90, 1971, ISSN 0013-4872
619. *DIGITAL SYNTHESIS OF BISTABLE JK-TYPE DEVICES WITH FRONTAL RELEASE*
V.Catanescu
Automatica si Electronica vol.14, no.3, pg.124-128, 1970
620. *PORTABLE COUNTER WIIH ELECTRONIC CHRONOMETRE NP-537A*
D.Poenaru, **V.Catanescu**
Automatica si Electronica vol.14, no.4, pg.161-166, 1970