

## Conferences

### 1986

1. Cluj 1986, 28-30May, The X-th Symposium for Informatics and Driving -oral lecture  
*Testing system led by computer for the tyristorised metro (underWay)*
2. Cluj 1986, 28-30May, The X-th Symposium for Informatics and Driving -oral lecture  
*Soft for investigation and diagnosis for electrical driving equipments*
3. Eforie Nord 1986, 16-17Sept., The First International Conference on Electrical Machines and Drive Systems INCEMADS , Poster Session, B.2.3.-B.2.4.13 (4 pages)  
*Software for diagnosis on control equipments for electric drivings*  
V.Dabuleanu, C.Bordeanu, C.Lungu

### 1988

4. Valenii de Munte 1988, 22-23 Sept, The IIIrd Symposium on peripheric equipments -oral lecture  
*L.Borza, C.Bordeanu*  
*Monitor for Radioactive Gases*

### 1995

5. Baia Mare 1995, National Conference on Physics  
*Modern system for monitoring the environmental radioactivity (2 pages in romanian, 1 page in English language)*  
A.Cimpean, C. Bordeanu
6. Baia Mare 1995, National Conference on Physics  
*Beta radioactive aerosol monitory with gamma compensation MAB-2 (2 pages in romanian, 1 page in English language)*  
D.Tarta, B.Prada, M.Cotiga, M.Nistor, D.Bartos, C. Bordeanu

### 1997

7. Dubna,Russia, 1997 sept., The VIth International school-seminar on heavy-ion physics, pg 131-133  
*Sharp cut-off approach of neutron pre-emission at the fusion of  $^{11}\text{Be}$  with  $^{12}\text{C}$  and Si targets*  
M.Petrascu, A.Isbasescu, H.Petrascu, C. Bordeanu, M.Giurgiu
8. Dubna,Russia, 1997 sept., The VIth International school-seminar on heavy-ion physics, pg.128-130  
*Elastic and inelastic scattering of  $^9,^{11}\text{Li}+\text{Si}$  at backward angles, in the energy range 9.5-25 AMeV*  
M.Petrascu, A.Isbasescu, H.Petrascu, C. Bordeanu, M.Giurgiu

## 1998

9. Lewes, United Kingdom, 1998 17-19 June, Nuclear Structure at the extremes (publicat in Jou. of Phys. G)

*Sharp cut-off approximation for neutron preemission for  $^{11}\text{Be}$  fusion with  $^{12}\text{C}$*

M. Petrascu, C. Bordeanu, A. Isbasescu, M. Giurgiu

10. International Nuclear Physics Conference INPC-98, aug., pg. 626, Paris, France

*Neutron Pre-emission Probability to the Fusion of  $^{11}\text{Li}$  halo nuclei with Si targets*

M. Petrascu, I. Tanihata, T. Kobayashi, A. Isbasescu, H. Petrascu, A. Korshennikov, E. Nikolski, M. Fujimaki, Zs. Fulop, S. Kumagai, K. Morimoto, A. Ozawa, T. Suzuki, K. Yoshida, H. Wang, C. Bordeanu, M. Giurgiu, I. Lazar, I. Mihai, G. Vaman

## 1999

11. *Half-life determination of Ti-44 using radioactive beam technique*

Fülöp Zs.; Wakasaya Y.; Bordeanu C.; Golovkov M.; Goswami R.; Kato T.; Kimura K.; Kudo H.; Mochizuki Y.; Otsu H.; Ozawa A.; Petrascu H.; Sakurai H.; Suzuki T.; Tanihata I.; Yoshida K.; Boyd R.N.; Krasznahorkay A.; Somorjai E.

10th International Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, **Date:** AUG 30-SEP 03, 1999 SANTA FE NM, AIP Conference Proceedings vol: 529, pg.: 684-686, Published 2000

## 2000

12. 17th International Radiocarbon Conference, Judeah Hills, Israel, June 18-23 2000

*Plutonium Isotopes in Deep-Sea Sediment*

A. Valenta, I. Ahmad, D. Berkovits, C. Bordeanu, Y. Hashimoto, A. Hershkowitz, S. Jiang, W. Kutschera, T. Nakanishi, M. Paul, K. Sakamoto

13. The 22nd ERICE School on Radioactive Beams in Nuclear and Astrophysics, Erice 16-24 Sept. 2000, Sicily, Italy, Published in PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, Volume 46, pages 97-98, 2001

*Towards a measurement of the cross section for  $^3\text{He}({}^4\text{He}, \gamma){}^7\text{Be}$  with Accelerator Mass Spectroscopy (AMS)*

C. Bordeanu, D. Berkovits, E. Boaretto, M. Hass, S. Jiang, M. Paul

## 2001

14. *Destruction of  ${}^7\text{Li}$  and  ${}^7\text{Be}$  in the stellar and cosmological environments*

C. Przybycien, J.E. McDonald, M. Gai, R.H. France III, L.T. Baby, C. Bordeanu, M. Hass, Th. Delbar  
HAW01 Meeting, October 17-20, Hawaii, USA, 2001

15. INPC 2001, International Nuclear Physics Conference, Nuclear Physics in the 21st Century, University of California, Berkeley, July 30, August 3, USA

*Direct determination of radioactive nuclide production in astrophysical reaction by Accelerator Mass Spectrometry (AMS)*

D.Berkovits, E.Boaretto, C. Bordeanu, S.Gelberg, M.Hass, A.Hershkowitz, S.K.Hui, M.Paul

16. ENAM 2001, 3rd International Conference on Exotic Nuclei and Atomic Masses, 2-7 July 2001, Hameenlinna, Finland

*Direct determination of radioactive nuclide production in astrophysical reaction by Accelerator Mass Spectrometry (AMS)*

D.Berkovits, E.Boaretto, C. Bordeanu, S.Gelberg, M.Hass, A.Hershkowitz, S.K.Hui, M.Paul

17. 1st European School on Experimental Nuclear Astrophysics, September 2001, Santa Tecla, Italy (submitted at Nucl. Phys. A)

*Next steps on the cross section measurement for the fusion reaction  $^4\text{He}(^3\text{He},\gamma)^7\text{Be}$*

C. Bordeanu, E.Boaretto, M.Hass, M.Paul, D.Berkovits, L.T.Baby

## 2002

18. Nuclei in the Cosmos VII, The Seventh International Symposium on Nuclei in the Cosmos, Fuji-Yoshida, Japan, 8-12 July 2002

*A New Precision Measurement of the  $^7\text{Be}(p,\gamma)^8\text{B}$  Cross section with an implanted  $^7\text{Be}$  Target*

L.T.Baby, C. Bordeanu, G.Goldring, M.Hass, V.N.Fedoseyev, U.Koster, L.Weissman, Y.Nir-El, G.Haquin, M.Argentini, H.W.Gaggeler, R.Weinreich and ISOLDE collaboration

19. Nuclei in the Cosmos VII, The Seventh International Symposium on Nuclei in the Cosmos, Fuji-Yoshida, Japan, 8-12 July 2002

*Counting  $^{44}\text{Ti}$  Nuclei from the  $^{40}\text{Ca}(\alpha,\gamma)^{44}\text{Ti}$  Reaction*

M.Paul, C.Feldstein, I.Ahmad, D.Berkovits, C. Bordeanu, J.Caggiano, J.Goerres, J.Green, M.Hass, A.Heinz, D.Henderson, S.K.Hui, R.V.F.Janssens, C.L.Jiang, R.C.Pardo, T.Pennington, K.E.Rehm, G.Savaed, G.Verri, R.Vondrasek, I.Wiendenhover, M.Wiescher

20. Nuclei in the Cosmos VII, The Seventh International Symposium on Nuclei in the Cosmos, Fuji-Yoshida, Japan, 8-12 July 2002

*Radionuclide Signatures of Interstellar Matter*

M.Paul, C.Feldstein, A.Valenta, I.Ahmad, Y.Bendov, D.Berkovits, C. Bordeanu, S.Gelberg, Y.Hashimoto, S.Jiang, T.Nakanishi, K.Sakamoto

21. Nuclei in the Cosmos VII, The Seventh International Symposium on Nuclei in the Cosmos, Fuji-Yoshida, Japan, 8-12 July 2002

*Destruction of  $^7\text{Li}$  and  $^7\text{Be}$  in Astrophysical Environments*

R.H.France III, L.T.Baby, C. Bordeanu, Th.Delbar, J.A.Dooley, M.Gai, M.Hass, J.E.McDonald, A.Ninane, C.M.Przybycien

22. Goldschmidt 2002, Davos, Switzerland, 18-23 aug.2002

*$^{10}\text{Be}$  measurements on Neolithic and Paleolithic tools from Israel*

G.Verri, E.Boaretto, C. Bordeanu, M.Hass, M.Paul, S.Weiner

23. 4th International Workshop on Personal Computers and Particle Accelerator Controls, 14-17 October 2002, Frascati (RM), Italy

*Upgrading the Control System at the Weizmann Accelerator Lab.*

O.Heber, S.Gelberg, Y.Ben-Dov, D.Berkovits, C. Bordeanu, G.Galitz, M.Hass, M.Paul, Y.Shahar, G.Verri

24. The 17th Nuclear Physics Divisional Conference of European Physical Society, Debrecen, Hungary, sept. 30- Oct. 4, 2002

*A Window on Nucleosynthesis through Detection of Short-Lived Radionuclides*

M.Paul, A.Valenta, I.Ahmad, D.Berkovits, C.Bordeanu, S.Ghelberg, Y.Hashimoto, A.Hershkowitz, S.Jiang, T.Nakanishi, K.Sakamoto

25. AMS-9 in 2002, Nagoya, sept. 9-13 2002, Japan

*Upgrading the AMS Facility at the Weizmann 14UD Pelletron Accelerator*

D.Berkovits, M.Paul, Y.Ben-Dov, C. Bordeanu, S.Ghelberg, O.Haber, M.Hass, Y.Shahar, G.Verri

26. VII International School- Seminar on Heavy Ion Physics, Dubna, Russia, May 27- 1 June 2002

*Strong focusing by final state interaction of the halo neutrons pre-emitted in the fusion of  $^{11}\text{Li}$  with Si targets*

M.Petrascu, I.Tanihata, T.Kobayashi, K.Morimoto, K.Katori, A.Constantinescu, I.Cruceru, M.Giurgiu, A.Isbasescu, M.Isbasescu, H.Petrascu, M.Chiba, Y.Nishi, S.Nishimura, A.Ozawa, T.Suda, K.Yoshida, C. Bordeanu

## 2003

27. APS DNP Meeting Oct 2003, Tucson, Arizona

*Preparations for a Precision Measurement of the  $^3\text{He}(\alpha, \gamma)^7\text{Be}$  Cross section*

Cristina Bordeanu, Jeff Mannor, Patrick Peplowski, Kurt Snover, Derek Storm

28. 2003 Fall Meeting of the Division of Nuclear Physics, October 30 - November 1, 2003, Tucson, Arizona 2003

*Precision Measurements of Astrophysically Interesting Reaction Cross Sections*

Peplowski P., Bordeanu C; Snover K; Storm D; Manor J

29. Intern. Conf. "Cluster 3", Nara, Japan, Nov. 2003

M. Petrascu, I. Tanihata, A. Constantinescu, M. Giurgiu, A. Isbasescu, H. Petrascu, C. Bordeanu

*Experimental Evidence for Residual Correlation of Single Detected Valence-Neutrons Pre- Emitted from  $^{11}\text{Li}$  Halo Nuclei*

30. Intern. Conf. "Nucleus-Nucleus Collision", June 17-21, 2003, Moscow, Russia

M. Petrascu, A. Constantinescu, I. Cruceru, M. Giurgiu, A. Isbasescu, M. Isbasescu, H. Petrascu, C. Bordeanu, I. Tanihata, T. Kobayashi, K. Morimoto, K. Katori, M. Chiba, Y. Nishi, S. Nishimura, A. Ozawa, T. Suda, K. Yoshida

*Pre-Emission of Correlated Neutrons in the Fusion of  $^{11}\text{Li}$  Halo Nuclei with Light Targets*

31. Intern. Conf. "Cluster 3", Nara, Japan, Nov. 2003

M. Petrascu, I. Tanihata, T. Motobayashi, T. Kobayashi, K. Katori, K. Morimoto, A. Ozawa, T. Suda, K. Yoshida, A. Constantinescu, I. Cruceru, M. Giurgiu, A. Isbasescu, H. Petrascu, M. Chiba, Y. Nishi, S. Nishimura, C. Bordeanu  
*Probing the  $^{11}\text{Li}$  Halo Structure by Two Neutron Interferometry Experiments*

32. Intern. Conf. "Cluster 3", Nara, Japan, Nov. 2003

M. Petrascu, I. Tanihata, A. Constantinescu, A. Isbasescu, M. Giurgiu, H. Petrascu, I. David, C. Bordeanu  
*Sharp Cut-off Estimation of Neutron Pair Pre-emission in the Fusion of  $^{11}\text{Li}$  Halo Nuclei with  $^{12}\text{C}$  and  $\text{Si}$  Targets*

## 2004

33. International Symposium on Exotic Nuclei, Peterhof, Russia, 5-12 July 2004

*A New approach in building of the intrinsic neutron-neutron correlation function for Borromean Halo nuclei*

M. Petrascu, A. Constantinescu, I. Cruceru, M. Giurgiu, A. Isbasescu, H. Petrascu, C. Bordeanu, I. Tanihata, T. Kobayashi, K. Morimoto, K. Katori, M. Chiba, Y. Nishi, S. Nishimura, A. Ozawa, T. Suda, K. Yoshida

## 2005

34. 2005 2nd Joint Meeting of the Nuclear Physics Divisions of the APS and The Physical Society of Japan, September 18–22, 2005; Maui, Hawaii 2005

*Determination of Energy Loss of 3-MeV alpha particles in Ni foil and  $^3\text{He}$  Gas Using a  $\text{Mg}(\alpha, \gamma)$  Resonance*  
K.P. Michnicki; C. Bordeanu; J.D. Lowrey; K.A. Snover; D.W. Storm

35. National Nuclear Physics Summer School 2005, Berkeley, CA June 5th to 17th 2005

*$^3\text{He}(\alpha, \gamma)^7\text{Be}$  Cross Section Measurement-Project Overview*  
Bordeanu C.

36. Intern. Conf. "Frontiers in the Physics of Nucleus", Peterhof, Russia, June 2005

M. Petrascu, A. Constantinescu, I. Cruceru, M. Giurgiu, A. Isbasescu, H. Petrascu, C. Bordeanu, S. Serban, V. Stoica, T. Motobayashi, T. Kobayashi, A. Ozawa, T. Suda, M. Nishimura, Y. Yanagisawa, H. Otsu  
*Method for cross-talk determination in 4-n coincidence measurements*

37. Intern. Conf. "Frontiers in the Physics of Nucleus", Peterhof, Russia, June 2005

M. Petrascu, A. Constantinescu, I. Cruceru, M. Giurgiu, A. Isbasescu, H. Petrascu, C. Bordeanu, S. Serban, V. Stoica, T. Motobayashi, T. Kobayashi, A. Ozawa, T. Suda, M. Nishimura, Y. Yanagisawa, H. Otsu  
*Search for 4-neutron resonant state in the interaction of  $^{11}\text{Li}$  with light targets*

38. The 2nd International Conference on Nuclear Physics in Astrophysics, Debrecen, Hungary May 16–20, 2005

Á. Horváth, K. Ieki, Á. Kiss, A. Galonsky, M. Thoennessen, T. Baumann, D. Bazin, C. A. Bertulani, C. Bordeanu, N. Carlin, M. Csanád, F. Deák, P. DeYoung, N. Frank, T. Fukuchi, Zs. Fülöp, A. Gade, D. Galaviz, C. Hoffman, R. Izsák, W. A. Peters, H. Schelin, A. Schiller, R. Sugo, Z. Seres and G. I. Veres  
*Can the neutron-capture cross sections be measured with Coulomb dissociation?*

## 2006

39. Israel, Weizmann Institute of Science, 4-7 June 2006, Workshop on Nuclear Structure and Nuclear Astrophysics with radioactive beams

*Achievements on the preparation for the  ${}^3\text{He}+{}^4\text{He}\rightarrow{}^7\text{Be}+\gamma$  experiment at Seattle*

C. Bordeanu

40. 2006 Annual Meeting of the Nuclear Physics Division of the APS October 25-28, 2006, Meeting ID: DNP06 Nashville, Tennessee

*Analyzing sources of uncertainty in a precision measurement  ${}^3\text{He}({}^4\text{He},\gamma){}^7\text{Be}$*

A.M.Crisp, T.A.D.Brown, C. Bordeanu, K.A.Snover, D.W.Storm

41. IX International Conference on Nucleus Nucleus Collisions NN2006, 28 August- 1 September 2006, Rio de Janeiro, Brasil

*Study of Coulomb and nuclear dissociation for astrophysical neutron capture cross sections*

Horvath, K.Ieki, A.Kiss, A.Galonsky, M.Thoennessen, T.Baumann, D.Bazin, C.A.Bertulani, C. Bordeanu, N.Carlin, M.Csanad, F.Deak, P.DeYoung, N.Frank, T.Fukuchi, Zs.Fulop, A.Gade, D.R.Galaviz, C.Hoffman, R.Iszak, W.A.Peters, H.Schelin, A.Schiller, R.Sugo, Z.Seres, G.I.Verés

42. *Can the neutron-capture cross sections be measured with Coulomb dissociation?*

Horvath A; Ieki K; Kiss A; Galonsky A; Thoennessen M; Baumann T; Bazin D; Bertulani CA; Bordeanu C; Carlin N; Csanad M; Deak F; DeYoung P; Frank N; Fukuchi T; Fulop Z; Gade A; Galaviz D; Hoffman C; Iszak R; Peters WA; Schelin H; Schiller A; Sugo R; Seres Z; Veres G

2ND INTERNATIONAL CONFERENCE ON NUCLEAR PHYSICS IN ASTROPHYSICS Pages: 217-220 2006

43. *Measurement of the  $\gamma$  branches in the  $\beta$  decay of  ${}^{32}\text{Cl}$*

Dan Melconian , C. Bordeanu , A. Garcia , J.C. Hardy , V.E. Iacob , N. Nica , H.I. Park , G. Tabacaru , L. Trache , S. Triambak , R.E. Tribble , Y. Zhai

2006 Division of Nuclear Physics Annual Meeting , Wednesday–Saturday, October 25–28, 2006; Nashville, Tennessee

44. *Saltmine Accelerator Laboratory at Slanic Prahova – a priority for Nuclear Astrophysics*

C. Bordeanu, R. Margineanu

Brasov, 7 September 2006, on 5th International Balkan School in Nuclear Physics, Physics with Radioactive Beams, 7-14 September 2006

## 2007

45. Nuclear Physics in Astrophysics III XXI International Nuclear Physics Divisional Conference of the European Physical Society , Forschungszentrum Dresden-Rossendorf, Dresden, Germany, 26 - 31 March 2007

*Saltmine Underground Accelerator Lab for Nuclear Astrophysics*

C. Bordeanu, C. Rolfs, F. Negoita, R. Margineanu, C. Simion

46. CARINA 2<sup>nd</sup> workshop, Spa, Belgium, 24-30 April 2007

*Underground laboratory for astrophysics*

C. Bordeanu, C.Rolfs, F.Negoita, R.Margineanu, C.Simion, A.Stoichioiu, I.Tudor

47. DUSEL Town Meeting, 2-4 Nov. 2007, Washington DC, USA

C. Bordeanu, C.Rolfs, F.Negoita

*Salt mine Accelerator Laboratory*

48. *A precision measurement of the  ${}^3\text{He}(\alpha,\gamma){}^7\text{Be}$  astrophysical S-factor*

T.A.D. Brown, K.A. Snover, D.W. Storm, C. Bordeanu, D. Melconian, A.L. Sallaska, S.K.L. Sjue, S. Triambak, A.M. Crisp, J.D. Lowrey, K. Michnicki, P. Peplowski, J. Sibille

2007 Annual Meeting of the Division of Nuclear Physics, Wednesday–Saturday, October 10–13, 2007; Newport News, Virginia

49. *Reaction rates of the fusion reaction  ${}^{12}\text{C}+{}^{12}\text{C}$  at  $E_{\text{CM}} = 2.10$  to  $4.75$  MeV for the  ${}^{20}\text{Ne}$  and  ${}^{23}\text{Na}$  exit channels*

Timothy Spillane, Francesco Raiola, Sheng Zeng, Hans-Werner Becker, Cristina Bordeanu, Claus Rolfs, Jeffrey Schweitzer, Frank Strieder, Daniel Schürmann, Lucio Gialanella

2007 APS April Meeting, April 14–17, 2007; Jacksonville, Florida

50. 2<sup>nd</sup> International Conference on Frontiers in Nuclear Structure, Astrophysics, and Reactions FINUSTAR2, Aghios Nikolaos, Crete, Greece, Sept. 10-14 2007

*Recent results of  ${}^{12}\text{C}+{}^{12}\text{C}$  fusion reactions*

T.Spillane, F.Raiola, F.Zeng, H.W.Becker, C. Bordeanu, C.Rolfs, J.Schweitzer, F.Strieder, D.Schumann, L.Gialanella

## 2008

51. *Uncertainties versus Stellar Models*

C. Bordeanu

Carpathian Workshop of Physics, Nuclear Reaction with Exotic Nuclei and Astrophysics, 23-27 June 2008, Sinaia, Romania

52. *Radon measurements in Romanian salt mines*

C. Cosma, T. Dicu, K. Szacsvai, R. Begy, V. Cosma, C. Bordeanu

NRC7 - SEVENTH INTERNATIONAL CONFERENCE ON NUCLEAR AND RADIOCHEMISTRY, Budapest, Hungary 24-29 August 2008

53. *International underground accelerator based lab for Nuclear Astrophysics*

C. Bordeanu

The DUSEL Experiment Development Coordinators (DEDC), April workshop in Lead, South Dakota, April 21-26, 2008

54. *Uncertainties versus Stellar Models*

C. Bordeanu

Carpathian Workshop of Physics, Nuclear Reaction with Exotic Nuclei and Astrophysics, 23-27 June 2008, Sinaia, Romania

## 2010

55. Carpathian Summer School of Physics 2010, AIP Conf. Proc. 1304, 439 (2010)

*'Cosmogonic Models Overview', oral lecture*

C.Bordeanu

56. 4th November 2010, "Informal workshop on the  ${}^3\text{He}(\alpha, \gamma){}^7\text{Be}$  reaction" ATOMKI, Debrecen, Ungaria  
*'The planned high energy activation experiment in Atomki', oral lecture*

C.Bordeanu

## 2011

57. The Nordic Conference on Nuclear Physics Stockholm 13-17 June, Sweden

*"Overview on the astrophysical importance for the  ${}^3\text{He}+{}^4\text{He}$  experiment"*, oral lecture

([www.nuclear.kth.se/NCNP2011/Presentation\\_files/C.Bordeanu.pdf](http://www.nuclear.kth.se/NCNP2011/Presentation_files/C.Bordeanu.pdf))

C.Bordeanu

## 2012

58. Nuclear Structure and Dynamics, Opatija, Croatia 9-13 July 2012

*" ${}^3\text{He}+{}^4\text{He}$  astrophysical factor study using activation method"*, oral lecture

C.Bordeanu

59. *Cross section measurement of the  ${}^3\text{He}(\alpha, \gamma){}^7\text{Be}$  reaction at high energies*, poster

C. Bordeanu, Gy. Gyürky, Z. Halász, T. Szücs, Zs. Fülöp, G.G. Kiss, Z. Elekes, J. Farkas, E. Somorjai

XII International Symposium on Nuclei in the Cosmos 5-10 August 2012, Cairns, Australia