

1997

Dubna,Russia, 1997 sept., The VIth International school-seminar on heavy-ion physics
Sharp cut-off approach of neutron pre-emission at the fusion of ^{11}Be with ^{12}C and Si targets

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

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Elastic and inelastic scattering of $^{9,11}\text{Li}+\text{Si}$ at backward angles, in the energy range 9.5-25 AMeV

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International Nuclear Physics Conference INPC-98, aug., pg.626, Paris, France
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E.Nikolski, M.Fujimaki, Zs.Fulop, S.Kumagai, K.Morimoto, A.Ozawa, T.Suzuki, K.Yoshida,
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1999

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Pre-Emission of Neutron Pairs in the Fusion of ^{11}Li Halo Nuclei with Light Targets

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Participare la Targul Romexpo 2002, Expozitia Cercetarii

M. Petrascu, I. Cruceru, C. Bordeanu, M. Giurgiu, A. Isbasescu, H. Petrascu, F. Negoita, R. Ruscu

Sistem multidetector pentru spectrometria de neutroni

2002

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2003

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Investigation of the n-n correlation function of the hale neutrons pre-emitted in the fusion of ^{11}Li with Si target

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

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

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

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Probing the ^{11}Li Halo Structure by Two Neutron Interferometry Experiments

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2004

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2005

Participation at Romexpo Fair in 2005, Exhibition "Research Fair 2005"

M. Petrascu, A. Constantinescu, I Cruceru, M. Giurgiu, A. Isbasescu, H. Petrascu, C. Bordeanu, S. Serban, V. Stoica, I. Tanihata, W.G. Lynch, M. Thoennensen, M. Famiano, V.L.Lyuboshits, V.V.Lyuboshits, K. Yeki

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2006

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

Bucharest, 19 July 2006
 $^{12}\text{C}+^{12}\text{C}$ experiment at Bochum
C. Bordeanu

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2007

nucl-ex/0702023v1
Study of the $^{12}\text{C}+^{12}\text{C}$ fusion reactions near the Gamow energy
T. Spillane, F. Raiola, C. Rolfs, D. Schurmann, F. Strieder, S. Zeng, H.-W. Becker, C. Bordeanu, L. Gialanella, M. Romano, J. Schweitzer

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

CARINA 2nd 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

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

C. Bordeanu, C.Rolfs, F.Negoita

Salt mine Accelerator Laboratory

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}Ne and ^{23}Na exit channels

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

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

2nd 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

Bucharest, 22.03.2007

Saltmine Underground Accelerator Lab for Nuclear Astrophysics

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PHYSICAL REVIEW LETTERS 98, 122501

$^{12}\text{C}+^{12}\text{C}$ Fusion Reactions near the Gamow Energy

T. Spillane, F. Raiola, C. Rolfs, D. Schurmann, F. Strieder, S. Zeng, H.-W. Becker, C. Bordeanu, L. Gialanella, M. Romano, J. Schweitzer

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Experimental state of n-n correlation function for Borromean halo nuclei investigation

NUCLEAR PHYSICS A 790: 235C-240C JUN 15 2007

Recent results on the C-12+C-12 reactions

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

Conference on Frontiers in Nuclear Structure, Astrophysics, and Reactions, Date: SEP 10-14, 2007 Crete GREECE

FRONTIERS IN NUCLEAR STRUCTURE, ASTROPHYSICS, AND REACTIONS Volume: 1012

Pages: 144-149 2008

2008

Uncertainties versus Stellar Models

C. Bordeanu

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

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

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

Uncertainties versus Stellar Models

C. Bordeanu

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

Western Michigan University, Physics Department, Everett Tower, 14.11.2008, **invited by Prof. Michael Famiano**

Amazing Nuclear Astrophysics

Bordeanu C

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

Saltmine underground accelerator lab for nuclear astrophysics

J. Phys. G: Nucl. Part. Phys. 35 (2008) 014011

Recent results on the $^{12}\text{C}+^{12}\text{C}$ reactions

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2009

15 April 2009, Astronomic Institute of the Romanian Academy, **invited by dr.**

C.Dumitrache

Nuclear Astrophysics Uncertainties vs Stellar Models

C. Bordeanu

2010

Carpathian Summer School of Physics 2010, AIP Conf. Proc. 1304, 439 (2010)
'Cosmogonic Models Overview', oral
C.Bordeanu

PROJECT CONTRIBUTIONS

Contract	Financial value IFIN-HH	Financial value for Cristina Bordeanu	Responsible
2005 - back to Romania	---	---	--
IMPACT Accelerator based laboratory in a salt mine for celestial phenomena understanding			Dr.Florin Negoita
CEEX M3 nr.165/2006	5996.07 ron	2554.00 (2006)	Dr.Florin Carstoiu
PN 06 35 02 01	1635875.00 ron	31459.00 (2006)	Dr. Dan Pantelica
CEEX M3 nr.165/2006	53416.8 ron	17399.00 (2007)	Dr.Florin Carstoiu
PN 06 35 02 01	2618000.00 ron	17425.00 (2007)	Dr. Dan Pantelica
CEEX 05 D10 71	1115929.66 ron	1389 (2007)	Dr.Florin Negoita
CORINT EURISOL 80	3100000.00 ron	11686 (2007)	Dr.Florin Negoita
PN 06 35 02 01	7037211.00 ron	27135 (2008)	Dr. Dan Pantelica
CORINT EURISOL 80	3100000.00 ron	9852 (2008)	Dr.Florin Negoita
American Physical Society's International Travel Grant 2008	\$1000	~\$4500 (2008)	Dr.Michael Famiano <u>Dr. Cristina Bordeanu</u>

PN 09 37 01 05			Dr.Nicolae Marginean
EuroGENESIS (ESF) – CRP3, IP6	Winning project, no implementation	2010-2013	<u>Dr.Cristina Bordeanu</u>
NKTH-OTKA-EU FP7 (Marie Curie Actions), HUMAN-MB08 B	24.000.000 HUF (~100.000 euro)	2010-2012	<u>Dr. Cristina Bordeanu</u>