

# **INPC 2013 – International Nuclear Physics Conference**

**EPJ Web of Conferences Volume 66 (2014)**

**Firenze, Italy  
2-7 June 2013**

**Volume 1 of 3**

**Editors:**

**S. Lunardi  
C. Bucci  
A. Dainese  
R. Menegazzo  
C. Signorini**

**P. G. Bizzeti  
M. Chiari  
P. Di Nezza  
A. Nannini  
J. J. Valiente-Dobon**

**ISBN: 978-1-63266-170-8**

**Printed from e-media with permission by:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571



**Some format issues inherent in the e-media version may also appear in this print version.**

This work is licensed under a Creative Commons Attribution license:

<http://creativecommons.org/licenses/by/2.0/>

**You are free to:**

**Share** – copy and redistribute the material in any medium or format.

**Adapt** – remix, transform, and build upon the material for any purpose, even commercial.

The licensor cannot revoke these freedoms as long as you follow the license terms.

**Under the following terms:**

You must give appropriate credit, provide a link to the license, and indicate if changes were made.

You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. The copyright is retained by the corresponding authors.

Printed by Curran Associates, Inc. (2014)

For additional information, please contact EDP Sciences – Web of Conferences at the address below.

EDP Sciences – Web of Conferences  
17, Avenue du Hoggar  
Parc d'Activité de Courtabœuf  
BP 112  
F-91944 Les Ulis Cedex A  
France

Phone: +33 (0) 1 69 18 75 75  
Fax: +33 (0) 1 69 28 84 91

[contact@webofconferences.org](mailto:contact@webofconferences.org)

**Additional copies of this publication are available from:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: 845-758-0400  
Fax: 845-758-2634  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

# TABLE OF CONTENTS

## VOLUME 1

<b>Structure and Spin of the Nucleon 01001 .....</b>	1
<i>H. Avakian</i>	
<b>Electromagnetic Reactions and Few-Nucleon Dynamics 01002 .....</b>	9
<i>Sonia Bacca</i>	
<b>Many-body Quantum Reaction Dynamics near the Fusion Barrier 01003 .....</b>	17
<i>M. Dasgupta, D.H. Luong, D.J. Hinde, M. Evers</i>	
<b>Meson Spectroscopy in the Light Quark Sector 01004 .....</b>	27
<i>R. De Vita</i>	
<b>Recent Precision Experiments with Exotic Nuclei Produced with Uranium Projectiles and Experimental Prospects at Fair 01005.....</b>	35
<i>H. Geissel, L. Chen, T. Dickel, F. Farinon, I. Dillmann, R. Knöbel, J. Kurcewicz, I. Mukha, G. Müllenber, C. Nociforo, Z. Patyk, S. Pietri, W. R. Plass, A. Prochazka, C. Scheidenberger, M. Takechi, H. Weick, J. S. Winfield, M. Winkler</i>	
<b>Probing Sea Quarks and Gluons: The Electron-Ion Collider Project 01006.....</b>	45
<i>Tanja Horn</i>	
<b>Three-nucleon Forces and Their Importance in Three-nucleon Systems and Heavier Nuclei 01007.....</b>	53
<i>N. Kalantar-Nayestanaki</i>	
<b>Cluster Formation, Breaking, and Excitation in Light Nuclei 01008 .....</b>	61
<i>Y. Kanada-En'yo, T. Suhara, F. Kobayashi</i>	
<b>Recent Progress in EDF-based Methods Applied to Nuclear Properties 01009 .....</b>	69
<i>E. Khan</i>	
<b>Results on <math>\theta_{13}</math> Neutrino Oscillations from Reactor Experiments 01010.....</b>	77
<i>Soo-Bong Kim</i>	
<b>Chiral Effective Field Theory for Nuclear Forces: Achievements and Challenges 01011 .....</b>	85
<i>R. Machleidt</i>	
<b>Nuclear Lattice Simulations: Status and Perspectives 01012 .....</b>	93
<i>Ulf-G. Meißner</i>	
<b>World New Facilities for Radioactive Isotope Beams 01013 .....</b>	103
<i>Tohru Motobayashi</i>	
<b>Direct Reactions with Exotic Nuclei 01014 .....</b>	111
<i>A. Obertelli</i>	
<b>Towards New Horizons in Ab Initio Nuclear Structure Theory 01015.....</b>	119
<i>Robert Roth, Angelo Calci, Joachim Langhammer, Sven Binder</i>	
<b>Shell Evolutions and Nuclear Forces 01016.....</b>	127
<i>O. Sorlin</i>	
<b>From Nuclear Structure to Neutron Stars 01017.....</b>	137
<i>Stefano Gandolfi, Andrew W. Steiner</i>	
<b>Probing the Nuclear Equation-of-state and the Symmetry Energy with Heavy-ion Collisions 01018 .....</b>	151
<i>Giuseppe Verde</i>	
<b>Shell Structure, Emerging Collectivity, and Valence P-N Interactions 01019 .....</b>	159
<i>R.B. Cakirli</i>	
<b>Monte Carlo Shell Model for Ab Initio Nuclear Structure 02001.....</b>	167
<i>T. Abe, P. Maris, T. Otsuka, N. Shimizu, Y. Utsuno, J. P. Vary</i>	
<b>Gamma/Neutron Competition Above the Neutron Separation Energy in Delayed Neutron Emitters 02002 .....</b>	171
<i>E. Valencia, A. Algorta, J. L. Tain, S. Rice, J. Agramunt, A. -A. Zakari-Issoufou, J. Åystö, M. Bowry, V. M. Bui, R. Caballero-Folch, D. Cano-Ott, V. Elomaa, T. Eronen, E. Estevez, G. F. Farrelly, M. Fallon, A. Garcia, W. Gelletly, M. B. Gomez-Hornillos, V. Gorlychev, J. Hakala, A. Jokinen, M. D. Jordan, A. Kankainen, F. G. Kondev, T. Martinez, E. Mendoza, F. Molina, I. Moore, A. Perez, Zs. Podolyak, H. Penttilä, A. Porta, P. H. Regan, J. Rissanen, B. Rubio, C. Weber</i>	
<b>Impact of Nuclear Structure on the Production and Identification of Superheavy Nuclei 02003.....</b>	175
<i>N.V. Antonenko, G.G. Adamian, A.N. Bezbakh, T.M. Shneidman</i>	
<b>Effects of a Skyrme-type Tensor Force on the Spin-Isospin Excitations 02004 .....</b>	179
<i>C.L. Bai, H.Q. Zhang, H. Sagawa, G. Colò, X.Z. Zhang, F.R. Xu</i>	
<b>Three-nucleon Forces in Exotic Open-shell Isotopes 02005.....</b>	183
<i>V. Somà, C. Barbieri, A. Cipollone, T. Duguet, P. Navrátil</i>	
<b>The No Core Gamow Shell Model for ab-initio Nuclear Structure Calculations 02006 .....</b>	187
<i>G. Papadimitriou, B.R. Barrett, J. Rotureau, N. Michel, M. Płoszajczak</i>	
<b>Half-lives of Heavy Nuclei Through <math>\alpha</math> Tagging 02007.....</b>	191
<i>G. Benzoni, A.I. Morales</i>	
<b>Investigation of <math>0^+</math> States in Mercury Isotopes After Two-neutron Transfer 02008.....</b>	195
<i>C. Bernards, R.F. Casten, V. Werner, P. von Brentano, D. Bucurescu, G. Grav, S. Heinze, R. Hertenberger, J. Jolie, S. Lalkovski, D. A. Meyer, D. Mucher, P. Pejovic, C. Scholl, H. F. Wirth</i>	
<b>Lifetime Measurements and Decay Spectroscopy of <math>^{132}\text{I}</math> 02009.....</b>	199
<i>S. Bhattacharyya, D. Banerjee, S. K. Das, Soumik Bhattacharya, S. Das Gupta, G. Mukherjee, T. Bhattacharjee, A. Chowdhury, P. Das, R. Guin, H. Pai</i>	

<b>Spectroscopy of Neutron Rich Nuclei Using Cold Neutron Induced Fission of Actinide Targets at the ILL: The EXILL Campaign 02010</b>	203
<i>G. de France, A. Blanc, F. Drouet, M. Jentschel, U. Köster, P. Mutti, J.M. Régis, G. Simpson, T. Soldner, O. Stezowski, C. A. Ur, A. Vancraeynest</i>	
<b>Search for Particle-Vibration Coupling in <math>^{65}\text{Cu}</math> 02011</b>	207
<i>Giovanni Bocchi, S. Leoni, A. Bracco, S. Bottone, G. Benzoni, G. Colò, P. F. Bortignon, N. Marginean, D. Bucurescu, Gh. Cata-Danil, I. Cata-Danil, D. Deleanu, D. Filipescu, I. Gheorghe, D. G. Ghita, T. Glodariu, R. Lica, C. Mihai, R. Marginean, A. Negret, C. R. Nita, T. Sava, L. Stroe, R. Suvaila, C. A. Ur</i>	
<b>Quadrupole Collectivity in Neutron-rich Cd Isotopes 02012</b>	211
<i>S. Bönig, S. Ilieva, T. Kröll, M. Scheck, D. Balabanski, C. Bauer, A. Blazhev, T. Bloch, D. Deleanu, J. Diriken, P. Fernier, R. Gernhauser, K. Hadynska-Klek, A. Jungclaus, R. Lutter, A. Negret, K. Nowak, R. Orlandi, J. Pakarinen, G. Rainovski, T. R. Rodriguez, M. Von Schmid, M. Seidlitz, B. Siebeck, G. S. Simpson, A. Illana Sison, R. Stegmann, T. Stora, P. G. Thiroff, M. Thurauf, M. J. Vermeulen, D. Voulot, N. Warr, F. Wenander, H. De Witte</i>	
<b>Extended Interacting Boson Model Description of Pd Nuclei in the A~100 Transitional Region 02013</b>	215
<i>M. Böyükata, E. Ellinger, C. Fransen, J. Jolie</i>	
<b>Quantum Shape Phase Transitions from Spherical to Deformed for Bose-fermi Systems: the Effect of the Odd Particle Around the Critical Point 02014</b>	219
<i>M. Böyükata, C. E. Alonso, J. M. Arias, L. Fortunato, A. Vitturi</i>	
<b>A Microscopic Model Beyond Mean-field: from Giant Resonances Properties to the Fit of New Effective Interactions 02015</b>	223
<i>M. Brenna, G. Colò, X. Roca-Maza, P. F. Bortignon, K. Moghrabi, M. Grasso</i>	
<b>Beta Decay Studies of the N=Z and Waiting Point Nucleus <math>^{72}\text{Kr}</math> 02016</b>	227
<i>J.A. Briz, M.J.G. Borge, E. Nácher, A. Algara, B. Rubio</i>	
<b>Semi-microscopic Description of the Proton-and Neutron-induced Backbending Phenomena in Some Deformed Even-even Rare Earth Nuclei 02017</b>	231
<i>R. Budaca, A. A. Raduta</i>	
<b>Isospin Mixing at Finite Temperature in <math>^{80}\text{Zr}</math> 02018</b>	235
<i>Simone Ceruti, A. Giaz, F. Camera, R. Avigo, G. Benzoni, N. Blasi, A. Bracco, S. Brambilla, S. Coelli, A. Corsi, F. Crespi, S. Leoni, B. Million, A. I. Morales-Lopez, L. Pellegrini, R. Nicolini, S. Riboldi, V. Vandone, O. Wieland, D. Bortolato, C. Fanin, A. Gottardo, J. J. Valiente-Dobon, M. Bellato, D. Bazzacco, D. Mengoni, C. Michelagnoli, D. Montanari, F. Recchia, E. Farnea, C. Ur, M. Ziebinski, M. Ciemala, M. Kmiecik, A. Maj, S. Myalski, J. Styrczen</i>	
<b>Ground-state Configuration of Neutron-rich Aluminum Isotopes Through Coulomb Breakup 02019</b>	239
<i>S. Chakraborty, U. Datta Pramanik, T. Aumann, S. Beceiro, K. Boretzky, C. Caesar, B.V. Carlson, W.N. Catford, S. Chatterjee, M. Chartier, D. Cortina-Gil, G. De Angelis, D. Gonzalez-Díaz, H. Emling, P. Diaz Fernandez, L. M. Fraile, O. Ershova, H. Geissel, M. Heil, B. Jonson, A. Kelic, H. Johansson, R. Kruecken, T. Kroll, J. Kurcewicz, C. Langer, T. Le Bleis, Y. Leifels, G. Munzenberg, J. Marganiec, C. Nociforo, A. Najafi, V. Panin, S. Paschalidis, S. Pietri, R. Plag, A. Rahaman, R. Reifarth, V. Ricciardi, D. Rossi, J. Ray, H. Simon, C. Scheidenberger, S. Typel, J. Taylor, Y. Togano, V. Volkov, H. Weick, A. Wagner, F. Wamers, M. Weigand, J.S. Winfield, D. Yakorev, M. Zoric</i>	
<b>Giant Dipole Resonance Decay of Hot Rotating <math>^{88}\text{Mo}</math> 02020</b>	243
<i>M. Ciemala, M. Kmiecik, A. Maj, V.L. Kravchuk, F. Gramegna, S. Barlini, G. Casini, F. Camera</i>	
<b>Onset of Collectivity in <math>^{96,98}\text{Sr}</math> Studied via Coulomb Excitation 02021</b>	247
<i>E. Clément, A. Görge, A. Dijon, G. de France, B. Bastin, A. Blazhev, N. Bree, P. Butler, P. Delahaye, A. Ekstrom, G. Georgiev, N. Hasan, J. Iwanicki, D. Jenkins, W. Korten, A. C. Larsen, J. Ljungvall, K. Moschner, P. Napiorkowski, J. Pakarinen, A. Petts, T. Renstrom, M. Seidlitz, S. Siem, C. Sotty, J. Srebrny, I. Stefanescu, G. M. Tveten, J. Van de Walle, N. Warr, K. Wrzosek-Lipska, M. Zielinska, C. Bauer, B. Bruyneel, J. Butterworth, C. Fitzpatrick, C. Fransen, R. Gernhäuser, H. Hess, R. Lutter, P. Marley, P. Reiter, B. Siebeck, M. Vermeulen, A. Wiens, H. De Witte</i>	
<b>Mass Dependence of Short-range Correlations in Nuclei and the EMC Effect 02022</b>	251
<i>Wim Cosyn, Maarten Vanhalst, Jan Ryckebusch</i>	
<b>Study of the <math>\gamma</math> Decay of High-lying States in <math>^{208}\text{Pb}</math> Via Inelastic Scattering of <math>^{17}\text{O}</math> Ions 02023</b>	255
<i>F.C.L. Crespi, M. Kmiecik, A. Bracco, S. Leoni, A. Maj, G. Benzoni, N. Blasi, C. Boiano, S. Bottone, S. Brambilla, F. Camera, S. Ceruti, A. Giaz, B. Million, A.I. Morales, R. Nicolini, L. Pellegrini, S. Riboldi, V. Vandone, O. Wieland, P. Bednarczyk, M. Ciemala, J. Grebosz, M. Krzysiek, K. Mazurek, M. Ziebinski, D. Bazzacco, M. Bellato, B. Birkenbach, D. Bortolato, E. Calore, G. De Angelis, E. Farnea, A. Gadea, A. Görge, A. Gottardo, R. Isocrate, S. Lenzi, S. Lunardi, D. Mengoni, C. Michelagnoli, P. Molini, D.R. Napoli, F. Recchia, E. Sahin, B. Siebeck, S. Siem, C. Ur, J.J. Valiente Dobon</i>	
<b>Giant Dipole Resonance in Highly Excited Nuclei 02024</b>	259
<i>Nguyen Dinh Dang</i>	
<b>Ab Initio Calculations with Non-symmetrized Hyperspherical Harmonics for Realistic NN Potential Models 02025</b>	263
<i>Sergio Deflorian, Nir Barnea, Winfried Leidemann, Giuseppina Orlandini</i>	
<b>Spectroscopy of <math>^9\text{Be}</math> and Observation of Neutron Halo Structure in the States of Positive Parity Rotational Band 02026</b>	267
<i>A.S. Demyanova, A.A. Ogloblin, A.N. Danilov, S.V. Dmitriev, S.A. Goncharov, N. Burtebaev, J. Burtebaeva, N. Saduev, T.L. Belyaeva, H. Suzuki, A. Ozawa, Y. Abe, S. Fukuoka, Y. Ishibashi, S. Ito, T. Komatsubara, T. Moriguchi, D. Nagai, R. Nishikiori, T. Niwa, K. Okumura, H. Ooishi, K. Yokoyama, S. Kubono</i>	
<b>Spectroscopy of Exotic States of <math>^{13}\text{C}</math> 02027</b>	271
<i>A.S. Demyanova, A.N. Danilov, S.V. Dmitriev, A.A. Ogloblin, T.L. Belyaeva, N. Burtebaev, P. Drobyshev, S.A. Goncharov, Yu.B. Gurov, P. Heikkinen, R. Julin, S. V. Khlebnikov, V. A. Maslov, N. Nassurilla, Yu. E. Penionzhkevich, Yu. G. Sobolev, W. Trzaska, G. P. Tyurin, V. I. Zhrebchevskii</i>	
<b>What Do the Conditions of Exact Pseudospin Symmetry in Nuclear Relativistic Models Mean in Real Nuclei? 02028</b>	275
<i>B. Desplanques, S. Marcos</i>	

<b>High-Statistics Study of the <math>\beta^+</math>/EC-Decay of <math>^{110}\text{In}</math></b>	<b>02029</b>	279
A. Diaz Varela, P.E. Garrett, G.C. Ball, J.C. Banjay, D.S. Cross, G.A. Demand, P. Finlay, A.B. Garnsworthy, K.L. Green, G. Hackman, W.D. Kulp, K.G. Leach, J.N. Orce, A.A. Phillips, E.T. Rand, C.E. Svensson, C. Sumithrarachchi, S. Triambak, J. Wong, J.L. Wood, S.W. Yates		
<b>Precision Mass Measurements of Short-lived Nuclides for Nuclear Structure Studies at Titan</b>	<b>02030</b>	283
A. Chaudhuri, C. Andreoiu, T. Brunner, U. Chowdhury, S. Ettenauer, D. Frekers, A.T. Gallant, A. Grossheim, G. Gwinner, R. Klawitter, A.A. Kwiatkowski, K.G. Leach, A. Lemmarz, D. Lunney, T.D. Macdonald, B.E. Schultz, S. Seeraji, M.C. Simon, V.V. Simon, J. Dilling		
<b>New Density-independent Interactions for Nuclear Structure Calculations</b>	<b>02031</b>	289
K. Bennaceur, J. Dobaczewski, F. Raimondi		
<b>Particle-number Projected Electric Quadrupole Moment of Even-even Proton-rich Nuclei in the Isovector Pairing Case</b>	<b>02032</b>	293
Mohamed Douici, Nassima-Hosni Allal, Mohamed Fellah, Naziha Benhamouda, Mohamed-Reda Oudih		
<b>Deep Inelastic Reactions and Isomers in Neutron-rich Nuclei Across the Perimeter of the <math>A = 180\text{--}190</math> Deformed Region</b>	<b>02033</b>	297
G.D. Dracoulis, G.J. Lane, A.P. Byrne, H. Watanabe, R.O. Hughes, F.G. Kondev, M.P. Carpenter, R.V.F. Janssens, T. Lauritsen, C.J. Lister, D. Seweryniak, S. Zhu, P. Chowdhury, Y. Shi, F.R. Xu		
<b>A New Spin-oriented Nuclei Facility: POLAREX</b>	<b>02034</b>	301
A. Etilé, A. Astier, G. Audi, S. Cabaret, C. Gaulard, G. Georgiev, F. Ibrahim, J. Nikolov, L. Risebari, S. Roccia, G. Simpson, J.R. Stone, N.J. Stone, D. Verney, M. Vesovic		
<b>Stellar Electron-capture Rates on Nuclei Based on Skyrme Functionals</b>	<b>02035</b>	305
A.F. Fantina, E. Khan, G. Colò, N. Paar, D. Vretenar		
<b>Spectroscopic Tools Applied to Element <math>Z = 115</math> Decay Chains</b>	<b>02036</b>	309
U. Forsberg, D. Rudolph, P. Golubev, L.G. Sarmiento, A. Yakushev, L.-L. Andersson, A. Di Nitto, Ch.E. Düllmann, J.M. Gates, K.E. Gregorich, C.J. Gross, F.P. Hebbberger, R.-D. Herzberg, J. Khuyagbaatar, J.V. Kratz, K. Rykaczewski, M. Schädel, S. Åberg, D. Ackermann, M. Block, H. Brand, B.G. Carlsson, D. Cox, X. Derkx, K. Eberhardt, J. Even, C. Fahlander, J. Gerl, E. Jäger, B. Kindler, J. Krier, I. Kojouharov, N. Kurz, B. Lommel, A. Mistry, C. Mokry, H. Nitsche, J.P. Omtvedt, P. Papadakis, I. Ragnarsson, J. Runke, H. Schaffner, B. Schausen, P. Thörle-Pospiech, T. Torres, T. Traut, N. Trautmann, A. Türler, A. Ward, D.E. Ward, N. Wiehl		
<b>Neutron Halo in <math>^{14}\text{B}</math> Studied Via Reaction Cross Sections</b>	<b>02037</b>	313
M. Fukuda, D. Nishimura, S. Suzuki, M. Tanaka, M. Takechi, K. Iwamoto, S. Wakabayashi, M. Yaguchi, J. Ohno, Y. Morita, Y. Kamisho, M. Mihara, K. Matsuta, M. Nagashima, T. Ohtsubo, T. Izumikawa, T. Ogura, K. Abe, N. Kikukawa, T. Sakai, D. Sera, T. Suzuki, T. Yamaguchi, K. Sato, H. Furuki, S. Miyazawa, N. Ichihashi, J. Kohno, S. Yamaki, A. Kitagawa, S. Sato, S. Fukuda		
<b>Microscopic Optical Potential with Two and Three Body Forces for Nucleon–Nucleus Scattering</b>	<b>02038</b>	317
Y.K. Gambhir, M. Gupta, A. Bhagwat, W. Haider, Sayed Rafi, M. Sharma, D. Pachouri		
<b>The Evolving Structure of the Cd Isotopes</b>	<b>02039</b>	321
P.E. Garrett		
<b>Isomer and Beta Decay Spectroscopy in the <math>^{132}\text{Sn}</math> Region with Eurica</b>	<b>02040</b>	325
A. Jungclaus, G.S. Simpson, G. Gey, J. Taprogge, S. Nishimura, P. Doornenbal, G. Lorusso, P.-A. Söderström, T. Sumikama, Z. Xu, H. Baba, F. Browne, N. Fukuda, N. Inabe, T. Isobe, H.S. Jung, D. Kameda, G.D. Kim, Y.-K. Kim, I. Kojouharov, T. Kubo, N. Kurz, Y.K. Kwon, Z. Li, H. Sakurai, H. Schaffner, H. Suzuki, H. Takeda, Z. Vajta, H. Watanabe, J. Wu, A. Yagi, K. Yoshinaga, S. Bönig, J.-M. Daugas, F. Drouet, R. Gernhäuser, S. Ilieva, T. Kröll, A. Montaner-Pizá, K. Moschner, D. Mücher, H. Nishibata, R. Orlando, K. Steiger, A. Wendt		
<b>Statistical Gamma-ray Emission of Gold and Its Astrophysical Implications</b>	<b>02041</b>	329
F. Giacoppo, F. Bello, L.A. Bernstein, D. Bleuel, R.B. Firestone, A. Görzen, M. Guttormsen, T.W. Hagen, M. Klintefjord, P.E. Koehler, A.C. Larsen, H.T. Nyhus, T. Renstrom, E. Sahin, S. Siem, T. Tornyi		
<b>Cause of the Charge Radius Isotope Shift at the <math>N=126</math> Shell Gap</b>	<b>02042</b>	333
P.M. Goddard, P.D. Stevenson, A. Rios		
<b>New Isomers in the Neutron-Rich Region Beyond <math>^{208}\text{Pb}</math></b>	<b>02043</b>	337
A. Gottard, J.J. Valiente-Dobón, G. Benzoni, A. Gadea, S. Lunardi, P. Boutachkov, A.M. Bruce, M. Górska, J. Grebosz, S. Pietri, Zs. Podolyák, M. Pfützner, P.H. Regan, H. Weick, J. Alcántara Níñez, A. Algora, N. Al-Dahan, G. de Angelis, Y. Ayyad, N. Alkhomashi, P.R.P. Allegro, D. Bazzacco, J. Benlliure, M. Bowry, A. Bracco, M. Bunce, F. Camera, E. Casarejos, M.L. Cortes, F.C.L. Crespi, A. Corsi, A.M. Denis Bacelar, A.Y. Deo, C. Domingo-Pardo, M. Doncel, Zs. Dombradi, T. Engert, K. Eppinger, G.F. Farrelly, F. Farinon, E. Farnea, H. Geissel, J. Gerl, N. Goel, E. Gregor, T. Habermann, R. Hoischen, R. Janik, P.R. John, S. Klupp, I. Kojouharov, N. Kurz, S.M. Lenzi, S. Leoni, S. Mandal, R. Menegazzo, D. Mengoni, B. Million, V. Modamio, A.I. Morales, D.R. Napoli, F. Naqvi, R. Nicolini, C. Nociforo, A. Prochazka, W. Prokopowicz, F. Recchia, R.V. Ribas, M.W. Reed, D. Rudolph, E. Sahin, H. Schaffner, A. Sharma, B. Sitar, D. Siwal, K. Steiger, P. Strmen, T.P.D. Swan, I. Szarka, C.A. Ur, P.M. Walker, O. Wieland, H-J. Wollersheim		
<b>Scissors Strength in the Quasi-continuum of Actinides</b>	<b>02044</b>	341
M. Guttormsen, L.A. Bernstein, A. Bürger, A. Görzen, F. Gunsing, T.W. Hagen, A.C. Larsen, T. Renström, S. Siem, M. Wiedeking, J.N. Wilson		
<b>Rotation and Alignment of High-j Orbitals in Transfermium Nuclei</b>	<b>02045</b>	345
Xiao-Tao He, Zhen-Hua Zhang, Jin-Yan Zeng, En-Guang Zhao, Zhong-Zhou Ren, Werner Scheid, Shan-Gui Zhou		
<b>Exploring the Stability of Super Heavy Elements: First Measurement of the Fission Barrier of <math>^{254}\text{No}</math></b>	<b>02046</b>	349
G. Henning, A. Lopez-Martens, T.L. Khoo, D. Seweryniak, M. Alcorta, M. Asai, B.B. Back, P. Bertone, D. Boilley, M.P. Carpenter, C.J. Chiara, P. Chowdhury, B. Gall, P.T. Greenlees, G. Gurdal, K. Hauschild, A. Heinz, C.R. Hoffman, R.V.F. Janssens, A.V. Karpov, B.P. Kay, F.G. Kondev, S. Lakshmi, T. Lauritsen, C.J. Lister, E.A. McCutchan, C. Nair, J. Piot, D. Potterveld, P. Reiter, N. Rowley, A.M. Rogers, S. Zhu		
<b>Spectroscopy of <math>^{193}\text{Bi}</math></b>	<b>02047</b>	357
A. Herzán, S. Juutinen, T. Grahn, P.T. Greenlees, K. Hauschild, U. Jakobsson, P. Jones, R. Julin, S. Ketelhut, M. Leino, A. Lopez-Martens, P. Nieminen, M. Nyman, P. Peura, P. Rahkila, S. Rinta-Antila, P. Ruotsalainen, M. Sandzelius, J. Saren, C. Scholey, J. Sorri, J. Uusitalo		
<b>Nuclear Structure of the Heaviest Elements – Investigated at SHIP-GSI</b>	<b>02048</b>	361
Fritz Peter Heberger		

<b>Complete Spectroscopy of Negative Parity States in <math>^{208}\text{Pb}</math> with <math>E_x &lt; 6.3</math> MeV</b>	<b>02049</b>	367
A. Heusler, T. Faestermann, R. Hertenberger, H.-F. Wirth, P. von Brentano		
<b>Shell Model Description of Low-lying States in Po and Rn Isotopes</b>	<b>02050</b>	371
Koji Higashiyama, Naotaka Yoshinaga		
<b>Application of the Generator Coordinate Method to Neutron-rich Se and Ge Isotopes</b>	<b>02051</b>	375
Koji Higashiyama, Naotaka Yoshinaga		
<b>Tensor Correlations Probed by Electroweak Responses</b>	<b>02052</b>	379
W. Horiuchi, Y. Suzuki		
<b>Unified Description of Shell and Cluster Coexistence in <math>^{16}\text{O}</math> with a Five-body Model</b>	<b>02053</b>	383
W. Horiuchi, Y. Suzuki		
<b>Magnetic Moment Measurement in <math>^{72}\text{Zn}</math> Using the Transient Field Technique and Coulomb Excitation in Inverse Kinematics</b>	<b>02054</b>	387
A. Illana Sisón, A. Jungclaus, R. Orlandi, A. Perea, J.A. Briz, C. Bauer, R. Gernhäuser, J. Leske, D. Mücher, J. Pakarinen, N. Pietralla, M. M. Rajabali, D. Seiler, C. Stahl		
<b>Decay Pattern of the Pygmy Dipole Resonance in <math>^{130}\text{Te}</math></b>	<b>02055</b>	391
J. Isaak, J. Beller, E. Fiori, M. Krticka, B. Löher, N. Pietralla, C. Romig, G. Rusev, D. Savran, M. Scheck, J. Silva, K. Sonnabend, A. Tonchev, W. Tornow, H. Weller, M. Zweidinger		
<b>Investigations of Spectroscopic Factors and Sum Rules from the Single Neutron Transfer Reaction <math>^{111}\text{Cd}(\text{d},\text{p})^{112}\text{Cd}</math></b>	<b>02056</b>	395
D.S. Jamieson, P.E. Garrett, G.C. Ball, G.A. Demand, T. Faestermann, P. Finlay, K.L. Green, R. Hertenberger, R. Krücken, K.G. Leach, A. A. Phillips, C. S. Sumithrarachchi, S. Triambak, H. F. Wirth		
<b>Study of Shape Transition in the Neutron-rich Os Isotopes</b>	<b>02057</b>	399
P.R. John, V. Modamio, J.J. Valiente-Dobón, D. Mengoni, A. Gottardo, D. Bazzacco, S. Lunardi, T. Alexander, G. de Angelis, N. Ashwood, M. Barr, P.G. Bizzeti, A.M. Bizzeti-Sona, S. Bottoni, M. Bowry, A. Bracco, F. Browne, M. Bunce, A. Gadea, F. Camera, L. Corradi, F.C.L. Crespi, E. Farnea, E. Fioretto, Tz. Kokalova, W. Korten, A. Kusoglu, S. Lenzi, S. Leoni, C. Michelagnoli, T. Mijatovic, G. Montagnoli, D. Montanari, D.R. Napoli, Zs. Podolyák, G. Pollarolo, F. Recchia, O.J. Roberts, E. Sahin, M.-D. Salsac, F. Scarlassara, A.M. Stefanini, S. Szilner, C.A. Ur, J. Walshe, C. Wheldon		
<b>G-factor of the 7- Isomeric State in <math>^{128}\text{Ba}</math></b>	<b>02058</b>	403
Jasmeet Kaur, N. Bansal, Vijay R. Sharma, H. Kumar, R. Kumar, V. Kumar, A.K. Bhati, R.K. Bhowmik		
<b>Coulomb Excitation of Exotic Nuclei at REX-ISOLDE with MINIBALLI</b>	<b>02059</b>	407
Th. Kröll		
<b>Investigation of Low-energy Dipole Modes in the Heavy Deformed Nucleus <math>^{154}\text{Sm}</math> Via Inelastic Polarized Proton Scattering at Zero Degree</b>	<b>02060</b>	415
A. Krugmann, D. Martin, P. von Neumann-Cosel, N. Pietralla, A. Tamii		
<b>Isospin Symmetry Violation in sd-Shell Nuclei</b>	<b>02061</b>	419
Yi Hua Lam, Nadezda A. Smirnova, Etienne Caurier		
<b>Do Light Nuclei Exhibit “Collective” Motions?</b>	<b>02062</b>	423
Winfried Leidemann		
<b>Inelastic Neutron Scattering on <math>^{160}\text{Gd}</math></b>	<b>02063</b>	431
S. R. Lesher, C. Casarella, B. P. Crider, R. Ikeyama, I. Marsh, E. E. Peters, F. M. Prados-Estévez, M. K. Smith, Z. Tully, J. R. Vanhoy, A. Aprahamian, S. W. Yates		
<b>Nuclear Charge-exchange Excitations in Localized Covariant Density Functional Theory</b>	<b>02064</b>	435
H. Z. Liang, J. Meng, T. Nakatsuka, Z. M. Niu, P. Ring, X. Roca-Maza, N. Van Giai, P. W. Zhao		
<b>Trends in the Isobaric Multiplet Mass Equation Coefficients</b>	<b>02065</b>	439
Marion MacCormick, Georges Audi		
<b>Evolution of Collectivity in the <math>^{78}\text{Ni}</math> Region: Coulomb Excitation of <math>^{74}\text{Ni}</math> at Intermediate Energies.</b>	<b>02066</b>	443
T. Marchi, G. de Angelis, T. Baugher, D. Bazin, J. Berryman, A. Bonaccorso, R. Clark, L. Coraggio, A. Covello, H. Crawford, M. Doncel, E. Farnea, A. Gade, A. Gadea, A. Gargano, T. Glasmauer, A. Gottardo, F. Gramegna, N. Itaco, R. Kumar, S. M. Lenzi, S. McDaniel, C. Michelagnoli, D.R. Napoli, B. Quintana, A. Ratkiewicz, F. Recchia, E. Sahin, R. Stroberg, J.J. Valiente-Dobón, D. Weisshaar, K. Wimmer, R. Winkler		
<b>Nuclear Tensor Force and Effective Pions in the Relativistic Hartree-Fock Formalism</b>	<b>02067</b>	447
S. Marcos, M. López-Quelle, R. Niembro, L.N. Savushkin		
<b>Nucleon Size Effects in the Parity Violating Electron Scattering Asymmetry</b>	<b>02068</b>	451
J. R. Marinelli, C. A. Graeff		
<b>Gamow-teller Strength in Deformed Nuclei Within Self-consistent pnQRPA with the Gogny Force</b>	<b>02069</b>	455
M. Martini, S. Péru, S. Goriely		
<b>In-beam <math>\gamma</math>-ray Spectroscopy of <math>^{38,40,42}\text{Si}</math></b>	<b>02070</b>	459
M. Matsushita, S. Takeuchi, N. Aoi, P. Doornenbal, J. Lee, K. Li, T. Motobayashi, H. Scheit, D. Stepenbeck, H. Wang, H. Baba, D. Bazin, L. Cáceres, H. Crawford, P. Fallon, R. Gernhäuser, J. Gibelin, S. Go, S. Grévy, C. Hinke, C. R. Hoffman, R. Hughes, E. Ideguchi, K. Ieki, D. Jenkins, N. Kobayashi, Y. Kondo, R. Krücken, T. Le Bleis, G. Lee, A. Matta, S. Michimasa, T. Nakamura, S. Ota, M. Petri, T. Sako, H. Sakurai, S. Shimoura, K. Steiger, K. Takahashi, M. Takechi, Y. Togano, R. Winkler, K. Yoneda		
<b>Spectroscopy of <math>^{98}\text{Ru}</math></b>	<b>02071</b>	463
Adriana Nannini, Andrea Perego, Pietro Sona		
<b>First Observation of an Isomeric State in Proton Drip-line Nucleus <math>^{26}\text{P}</math></b>	<b>02072</b>	467
D. Nishimura, M. Fukuda, T. Sakai, M. Tanaka, K. Abe, J. Chiba, S. Fukuda, H. Furuki, A. Homma, H. Hotaka, N. Ichihashi, N. Inaba, K. Iwamoto, T. Izumikawa, Y. Kamisho, K. Kanbe, N. Kikukawa, A. Kitagawa, J. Kouno, M. Nagashima, Y. Nakamura, I. Nishizuka, K. Matsuta, M. Mihara, S. Miyazawa, Y. Morita, J. Ono, T. Ohtsubo, K. Sato, S. Sato, D. Sera, S. Suzuki, S. Suzuki, T. Suzuki, M. Takechi, K. Tashiro, M. Wakabayashi, D. Watanabe, M. Yaguchi, T. Yamaguchi, S. Yamaki, S. Yasumoto, K. Yoshinaga, Y. Zhu		

<b>Study of the Properties of the Superheavy Nuclei Z = 117 Produced in the <math>^{249}\text{Bk} + ^{48}\text{Ca}</math> Reaction</b>	<b>02073</b>	471
<i>Yu.Ts. Oganessian, F.Sh. Abdullin, C. Alexander, J. Binder, R.A. Boll, S.N. Dmitriev, J. Ezold, K. Felker, J.M. Gostic, R.K. Grzywacz, J.H. Hamilton, R.A. Henderson, M.G. Itkis, K. Miernik, D. Miller, K.J. Moody, A.N. Polyakov, A.V. Ramayya, J.B. Roberto, M.A. Ryabinin, K.P. Rykaczewski, R.N. Sagaidak, D.A. Shaughnessy, I.V. Shirokovsky, M.V. Shumeiko, M.A. Stoyer, N.J. Stoyer, V.G. Subbotin, A.M. Sukhov, Yu.S. Tsyganov, V.K. Utyonkov, A.A. Voinov, G.K. Vostokin</i>		
<b>Rotational Band in <math>^{12}\text{C}</math> Based on the Hoyle State</b>	<b>02074</b>	475
<i>A.A. Ogloblin, A.S. Demyanova, A.N. Danilov, S.V. Dmitriev, T.L. Belyaeva, S.A. Goncharov, V.A. Maslov, Yu.G. Sobolev, W. Trzaska, S.V. Khlebnikov</i>		
<b>New Pfaffian Formulae for an Overlap of Multiple Quasiparticle States</b>	<b>02075</b>	479
<i>Makito Oi, Takahiro Mizusaki</i>		
<b>Evidence of Tensor Interactions in <math>^{16}\text{O}</math> Observed Via (P,D) Reaction</b>	<b>02076</b>	483
<i>H. J. Ong, I. Tanihata, A. Tamii, T. Myo, K. Ogata, M. Fukuda, K. Hirota, K. Ikeda, D. Ishikawa, T. Kawabata, H. Matsubara, K. Matsuta, M. Mihara, T. Naito, D. Nishimura, Y. Ogawa, H. Okamura, A. Ozawa, D. Y. Pang, H. Sakaguchi, K. Sekiguchi, T. Suzuki, M. Taniguchi, M. Takashina, H. Toki, Y. Yasuda, M. Yosoi, J. Zeniho</i>		
<b>Beta Decay of Exotic <math>T_z = -1, -2</math> Nuclei: The Interesting Case of <math>^{56}\text{Zn}</math></b>	<b>02077</b>	487
<i>S.E.A. Orrigo, B. Rubio, Y. Fujita, B. Blank, W. Gelletly, J. Agramunt, A. Algorta, P. Ascher, B. Bilgier, L. Cáceres, R.B. Cakirli, H. Fujita, E. Ganioglu, M. Gerbaux, J. Giovinazzo, S. Grévy, O. Kamalou, H.C. Kozer, L. Kucuk, T. Kurtukian-Nieto, F. Molina, L. Popescu, A.M. Rogers, G. Susoy, C. Stodel, T. Suzuki, A. Tamii, J.C. Thomas</i>		
<b>Probing the Neutron Skin Thickness in Collective Modes of Excitation</b>	<b>02078</b>	491
<i>N. Paar, A. Horvat</i>		
<b>Identification of Intruder <math>\pi_{13/2}</math> State in <math>^{197}\text{TI}</math></b>	<b>02079</b>	499
<i>H. Pai, G. Mukherjee, S. Bhattacharya, C. Bhattacharya, S. Bhattacharya, T. Bhattacharjee, S. Chanda, S. Rajbanshi, A. Goswami, M. R. Gohil, S. Kundu, T. K. Ghosh, K. Banerjee, T. K. Rana, R. Pandey, G. K. Prajapati, S. R. Banerjee, S. Mukhopadhyay, D. Pandit, S. Pal, J. K. Meena, P. Mukhopadhyay, A. Choudhury</i>		
<b>Non-adiabatic Description of Proton Emission from the Odd-odd Nucleus <math>^{130}\text{Eu}</math></b>	<b>02080</b>	503
<i>Monika Patial, P. Arumugam, A.K. Jain, E. Maglione, L.S. Ferreira</i>		
<b>Microscopic Mean Field Approximation and Beyond with the Gogny Force</b>	<b>02081</b>	507
<i>S. Péru, M. Martini</i>		
<b>Low-lying Bands with Different Quadrupole Deformation in <math>^{155}\text{Dy}</math></b>	<b>02082</b>	511
<i>P. Petkov, M.S. Yavahchova, O. Möller, A. Dewald, B. Saha, A. Fritzler, K. Jessen, D. Tonev, T. Klug, S. Heinze, J. Jolie, P. Von Brentano, N. Goutev, D. Bazzacco, C. A. Ur, E. Farnea, M. Axiotis, S. Lunardi, G. De Angelis, D. R. Napoli, D. R. Napoli, M. Marginean, T. Martinez, M. A. Carpio</i>		
<b>On the Road to FAIR: 1<sup>st</sup> Operation of AGATA in PreSPEC at GSI</b>	<b>02083</b>	515
<i>N. Pietralla, M. Reese, M.L. Cortes, F. Ameil, D. Bazzacco, M.A. Bentley, P. Boutachkov, C. Domingo-Pardo, A. Gadea, J. Gerl, N. Goel, P. Golubev, M. Gorska, G. Guastalla, T. Habermann, I. Kojouharov, W. Korten, E. Merchan, S. Pietri, D. Ralet, P. Reiter, D. Rudolph, H. Schaffner, P. P. Singh, O. Wieland, H. J. Wollersheim</i>		
<b>The Three Shapes of <math>^{32}\text{Mg}</math></b>	<b>02084</b>	519
<i>A. Poves, F. Nowacki, E. Caurier</i>		
<b>Nuclear Structure Studies of <math>^{106}\text{Pd}</math> and <math>^{106}\text{Cd}</math> with the (n,n'γ) Reaction</b>	<b>02085</b>	523
<i>F.M. Prados-Estévez, A. Chakraborty, E.E. Peters, M.G. Mynk, A. Linnemann, D. Bandyopadhyay, N. Boukharouba, S.N. Choudry, B.P. Crider, P.E. Garrett, S. F. Hicks, J. Jolie, A. Kumar, S. R. Lesher, C. J. McKay, M. T. McEllistrem, S. Mukhopadhyay, J. N. Orce, M. Scheck, J. R. Vanhoy, J. L. Wood, S. W. Yates</i>		
<b>Application of the Sextic Oscillator Potential Together with Mathieu and Spheroidal Functions for Triaxial and X(5) Type Nuclei</b>	<b>02086</b>	527
<i>A. A. Raduta, P. Buganu</i>		
<b>Study of Ground State Wave-function of the Neutron-rich <math>^{29,30}\text{Na}</math> Isotopes through Coulomb Breakup</b>	<b>02087</b>	531
<i>A. Rahaman, U. Datta Pramanik, T. Aumann, S. Beceiro, K. Boretzky, C. Caesar, B.V. Carlson, W.N. Catford, S. Chakraborty, S. Chatterjee, M. Chartier, G. De Angelis, D. Cortina-Gil, D. Gonzalez-Díaz, H. Emling, P. Diaz Fernandez, L.M. Fraile, O. Ershova, H. Geissel, M. Heil, B. Jonson, A. Kelic, H. Johansson, R. Kruecken, T. Kroll, J. Kurcewicz, C. Langer, T. Le Bleis, Y. Leifels, G. Munzenberg, J. Marganiec, C. Nociforo, A. Najafi, V. Panin, S. Paschalis, S. Pietri, R. Plag, R. Reifarth, V. Ricciardi, D. Rossi, J. Ray, H. Simon, C. Scheidenberger, S. Typel, J. Taylor, Y. Togano, V. Volkov, H. Weick, A. Wagner, F. Wamers, M. Weigand, J. S. Winfield, D. Yakorev, M. Zoric</i>		
<b>Investigation of the E2 and E3 Matrix Elements in <math>^{200}\text{Hg}</math> using Inelastic Scattering</b>	<b>02088</b>	535
<i>E. T. Rand, P. E. Garrett, G. C. Ball, V. Bildstein, T. Faestermann, B. Hadinia, R. Hertenberger, D. S. Jamieson, B. Jigmmedorj, K. G. Leach, C. E. Svensson, H. F. Wirth</i>		
<b>Exotic Decay of Hot Rotating Nuclei Near Proton Drip Line</b>	<b>02089</b>	539
<i>J. Ray, U. Datta Pramanik, R. K. Bhowmik, I. Ray, A. Rahaman, A. Chakraborty, S. Chakraborty, R. Garg, S. Goyal, S. Ganguly, S. Kumar, S. Mandal, B. Mukherjee, P. Mukherjee, S. Muralithar, D. Negi, M. Saxena, K. Selvakumar, P. Singh, A. K. Singh, R. P. Singh</i>		
<b>Beta Decay to Continuum States: The Case of <math>^{11}\text{Be}</math></b>	<b>02090</b>	543
<i>Karsten Riisager</i>		
<b>Improvements on the Present Theoretical Understanding of Octupole Correlations</b>	<b>02091</b>	547
<i>L.M. Robledo</i>		
<b>Nuclear Symmetry Energy: Constraints from Giant Quadrupole Resonances and Parity Violating Electron Scattering</b>	<b>02092</b>	551
<i>X. Roca-Maza, B. K. Agrawal, P. F. Bortignon, M. Brenna, Li-Gang Cao, M. Centelles, G. Colò, N. Paar, X. Viñas, D. Vretenar, M. Warda</i>		
<b>Alpha Cluster Structure in <math>^{16}\text{O}</math></b>	<b>02093</b>	555
<i>Márcia Regina Dias Rodrigues, Thereza Borello-Lewin, Hideaki Miyake, Francesco Cappuzzello, Manuela Cavallaro, José Luciano Miranda Duarte, Cleber Lima Rodrigues, Marco Antonio de Souza, Brigitte Horodyski-Matsushigue, Angelo Cunsolo, Antonio Foti, Gilberto Mitsuo Ukita, Pedro Neto De Faria, Clementina Agodi, Marzio De Napoli, Dario Nicolosi, Mariangela Bondi, Diana Carbone, Stefania Tropea</i>		

<b>Experimental Results on the Pygmy Dipole Resonance</b>	<b>02094</b>	559
<i>Deniz Savran</i>		
<b>RMF+BCS Description of Some Traditional Neutron Magic Isotones</b>	<b>02095</b>	565
<i>G. Saxena, D. Singh, M. Kaushik</i>		
<b>Nuclear Structure and Reaction Studies with Exotic Nuclei at the FRS-ESR</b>	<b>02096</b>	569
<i>Christoph Scheidenberger</i>		
<b>Study of the Level Structure of <math>^{108}\text{Ag}</math></b>	<b>02097</b>	577
<i>J. Sethi, R. Palit, S. Saha, T. Trivedi, G. H. Bhat, J. A. Sheikh, P. Datta, J. J. Carroll, S. Chattopadhyay, R. Donthi, U. Garg, S. Jadhav, H. C. Jain, S. Karamian, S. Kumar, M. S. Litz, D. Mehta, B. S. Naidu, Z. Naik, S. Sihotra, P. M. Walker</i>		
<b>Signature Splitting in 7/2 [633]<sub>v</sub> Band of <math>^{175}\text{Hf}</math></b>	<b>02098</b>	581
<i>Jagjit Singh, Sushil Kumar, A. Goel, J.K. Sharma, Sukhjeet Singh</i>		
<b>Isoscalar and Isovector Giant Monopole Resonances from a Continuum Hartree-Fock Method</b>	<b>02099</b>	585
<i>P. D. Stevenson, C. I. Pardi</i>		
<b>Comparison of Multi-ho Shell-model Results with MCAS</b>	<b>02100</b>	589
<i>J. P. Svenne, S. Karatagliidis, K. Amos, L. Canton, P. R. Fraser, D. van der Knijff</i>		
<b>Search for Halo Nucleus in Mg Isotopes Through the Measurements of Reaction Cross Sections Towards the Vicinity of Neutron Drip Line</b>	<b>02101</b>	593
<i>M. Takechi, S. Suzuki, D. Nishimura, M. Fukuda, T. Ohtsubo, M. Nagashima, T. Suzuki, T. Yamaguchi, A. Ozawa, T. Moriguchi, H. Ohishi, T. Sumikama, H. Geissel, M. Ishihara, N. Aoi, Rui-Jiu Chen, De-Qing Fang, N. Fukuda, S. Fukuoka, H. Furuki, N. Inabe, Y. Ishibashi, T. Itoh, T. Izumikawa, D. Kameda, T. Kubo, C. S. Lee, M. Lantz, Yu-Gang Ma, K. Matsuta, M. Miura, S. Momota, D. Nagae, R. Nishikiori, T. Niwa, T. Ohnishi, K. Okumura, T. Ogura, H. Sakurai, K. Sato, Y. Shimbara, H. Suzuki, H. Takeda, S. Takeuchi, K. Tanaka, H. Uenishi, M. Winkler, Y. Yanagisawa, S. Watanabe, K. Minomo, S. Tagami, M. Shimada, M. Kimura, T. Matsumoto, Y. R. Shimizu, M. Yahiru</i>		
<b>Spectroscopy of the Odd-odd Chiral Candidate Nucleus <math>^{102}\text{Rh}</math></b>	<b>02102</b>	597
<i>M.S. Yavahchova, N. Goutev, D. Tonev, G. de Angelis, R. K. Bhownik, P. Petkov, R. P. Singh, S. Muralithar, N. Madhavan, R. Kumar, M. Kumar Raju, J. Kaur, G. Mohanto, A. Singh, N. Kaur, A. Sukla, S. Brant, R. Garg, Ts. K. Marinov</i>		
<b>Neutron Occupancy of <math>0d_{5/2}</math> Orbital in <math>^{24}\text{O}</math></b>	<b>02103</b>	601
<i>K. Tshoo, Y. Satou, H. Bhang, S. Choi, T. Nakamura, Y. Kondo, S. Deguchi, Y. Kawada, N. Kobayashi, Y. Nakayama, K.N. Tanaka, N. Tanaka, Y. Togano, N. Aoi, M. Ishihara, T. Motobayashi, H. Otsu, H. Sakurai, S. Takeuchi, K. Yoneda, F. Delaunay, J. Gibelin, F.M. Marqués, N.A. Orr, T. Honda, M. Matsushita, T. Kobayashi, Y. Miyashita, T. Sumikama, K. Yoshinaga, S. Shimoura, D. Sohler, T. Zheng, Z.X. Cao, Z.H. Li</i>		
<b>New Modes of Nuclear Excitations</b>	<b>02104</b>	605
<i>Nadia Tsoneva, Horst Lenske</i>		
<b>Study of Nuclei Around <math>Z = 28</math> by Large-scale Shell Model Calculations</b>	<b>02105</b>	609
<i>Yusuke Tsunoda, Takaharu Otsuka, Noritaka Shimizu, Michio Honma, Yutaka Utsuno</i>		
<b>Recent Shell-model Results for Exotic Nuclei</b>	<b>02106</b>	613
<i>Yusuke Utsuno, Takaharu Otsuka, Noritaka Shimizu, Michio Honma, Takahiro Mizusaki, Yusuke Tsunoda, Takashi Abe</i>		
<b>Mass Measurement of Short-lived Nuclei at HIRFL-CSR</b>	<b>02107</b>	621
<i>M. Wang, H.S. Xu, Y.H. Zhang, X.L. Tu, Yu. A. Litvinov</i>		
<b>Systematic Study of Shell-model Effective Interaction in SD Shell</b>	<b>02108</b>	627
<i>X.B. Wang, G.X. Dong, F.R. Xu</i>		
<b>Centrifugal Stretching of <math>^{170}\text{Hf}</math> in the Interacting Boson Model</b>	<b>02109</b>	631
<i>V. Werner, N. Pietralla, M. K. Smith</i>		
<b>Study of <math>^{207}\text{Tl}_{126}</math> Produced in Deep-Inelastic Reactions</b>	<b>02110</b>	635
<i>E. Wilson, Zs. Podolyák, B. Fornal, R. V. F. Janssens, M. Bowry, M. Bunce, M. P. Carpenter, C. J. Chiara, N. Cieplicka, A. Y. Deo, G. D. Dracoulis, H. Gravé, C. R. Hoffman, R. S. Kempely, F. G. Kondev, G. J. Lane, T. Lauritsen, M. W. Reed, P. H. Regan, C. Rodriguez Triguero, B. Szpak, P. M. Walker, S. Zhu</i>		
<b>Level Lifetimes in <math>^{94}\text{Zr}</math> from DSAM Measurements following Inelastic Neutron Scattering</b>	<b>02111</b>	639
<i>S. W. Yates, E. E. Peters, A. Chakraborty, B. P. Crider, M. T. McEllistrem, F. M. Prados-Estévez, J. R. Vanhoy</i>		
<b>A New Experimental Study of the <math>^{12}\text{Be}</math> Cluster Structure</b>	<b>02112</b>	643
<i>Z. H. Yang, Y. L. Ye</i>		
<b>Density Profiles of Light Nuclei in Monte Carlo Shell-model Calculation</b>	<b>02113</b>	647
<i>T. Yoshida, N. Shimizu, T. Abe, T. Otsuka</i>		
<b>Tilted Axis Cranking Covariant Density Functional Theory and Its Applications</b>	<b>02114</b>	651
<i>P. W. Zhao, H. Z. Liang, J. Meng, J. Peng, P. Ring, L. F. Yu, S. Q. Zhang</i>		
<b>VOLUME 2</b>		
<b>Cumulative Protons in <math>^{12}\text{C}</math> Fragmentation at Intermediate Energy</b>	<b>03001</b>	655
<i>B.M. Abramov, P.N. Alekseev, Yu.A. Borodin, S.A. Bulychjov, I.A. Dukhovskoi, A.I. Khanov, A.P. Krutenkova, V.V. Kulikov, M.A. Martemianov, M.A. Matsuk, E.N. Turdkina</i>		
<b>Study of Pairing and Clusterisation in Light Nuclei Through Nuclear Break-up</b>	<b>03002</b>	659
<i>Marlène Assié, Jean-Antoine Scarpaci, D. Lacroix</i>		
<b>Role of Model Ingredients on the Directed Flow and Its Disappearance Using Isospin Dependent Quantum Molecular Dynamics Model</b>	<b>03003</b>	663
<i>Rajni Bansal</i>		
<b>Collective Features of Nuclear Dynamics with Exotic Nuclei Within Microscopic Transport Models</b>	<b>03004</b>	667
<i>Virgil Baran, Maria Colonna, Massimo Di Toro, Andreea Croitoru, Daniel Dumitru</i>		
<b>Exploring the Alpha Cluster Structure of Nuclei Using the Thick Target Inverse Kinematics Technique for Multiple Alpha Decays</b>	<b>03005</b>	675
<i>M. Barbui, K. Hagel, V.Z. Goldberg, J.B. Natowitz, H. Zheng, G. Giuliani, G.G. Rapisarda, S. Wuenschel, X. Liu</i>		

<b>Effect of N/Z in Pre-scission Neutron Multiplicity for <math>^{16,18}\text{O}+^{194,198}\text{Pt}</math> Systems</b>	<b>03006</b>	679
Rohit Sandall, B.R. Behera, Varinderjit Singh, Maninder Kaur, A. Kumar, G. Singh, K. P. Singh, P. Sugathan, A. Jhingan, K. S. Golda, M. B. Chatterjee, R. K. Bhowmik, Sunil Kalkal, D. Siwal, S. Goyel, S. Mandal, E. Prasad, J. Sadhukhan, K. Mahta, A. Saxena, Santanu Pal		
<b>Cluster States in <math>^{11}\text{B}</math></b>	<b>03007</b>	683
A.N. Danilov, A.S. Demyanova, A.A. Oglomin, S.V. Dmitriev, T.L. Belyaeva, S.A. Goncharov, Yu.B. Gurov, V.A. Maslov, Yu.G. Sobolev, W. Trzaska, S. V. Khlebnikov, N. Burtebaev, T. Zholdybayev, N. Saduyev, P. Heikkinen, R. Julin, G. P. Tyurin		
<b>Breakup, Fusion, and Elastic Scattering Analysis of the <math>^8\text{B} + ^{58}\text{Ni}</math> System at Low Energies with the Continuum-discretized Coupled Channels Method</b>	<b>03008</b>	687
T. L. Belyaeva, P. Amador-Valenzuela, E. F. Aguilera, E. Martinez-Quiroz, J. J. Kolata		
<b>Neutron Asymptotic Normalization Coefficients and Halo Radii of the First Excited States of <math>^{13}\text{C}</math> and <math>^{11}\text{Be}</math></b>	<b>03009</b>	691
T. L. Belyaeva, R. Perez-Torres, A. S. Demyanova, S. A. Goncharov, A. A. Oglomin		
<b>Search for Rotational State of Hoyle State in Complete Kinematic Experiment <math>^{12}\text{C}(\alpha, \alpha')</math> 3a</b>	<b>03010</b>	695
T. K. Rana, C. Bhattacharya, S. Bhattacharya, S. Kundu, K. Banerjee, T. K. Ghosh, G. Mukherjee, R. Pandey, M. Gohil, A. Dey, J. K. Meena, G. Prajapati, P. Roy, H. Pai, M. Biswas		
<b>Analytic Continuation of Scattering Data As a Method of Obtaining Characteristics of Bound States</b>	<b>03011</b>	699
Leonid Blokhintsev, Dmitry Savin		
<b>Reaction Dynamics and Nuclear Structure of Moderately Neutron-rich Ne Isotopes by Heavy Ion Reactions</b>		
<b>03012</b>		703
S. Bottini, G. Benzon, S. Leoni, D. Montanari, A. Bracco, E. Vigezzi, F. Azaiez, L. Corradi, D. Bazzacco, E. Farnea, A. Gadea, S. Szilner, G. Pollaro		
<b>Systematic Study of <math>\alpha</math> Half-lives of Superheavy Nuclei</b>	<b>03013</b>	707
A. I. Budaca, I. Silisteanu		
<b>The Ratio Method: A New Way to Look at Halo Nuclei</b>	<b>03014</b>	711
P. Capel, R. C. Johnson, F. M. Nunes		
<b>New Structures in the Continuum of Light Nuclei Populated by Two-neutron Transfer Reactions</b>	<b>03015</b>	715
D. Carbone, A. Bonaccorso, F. Cappuzzello, C. Agodi, M. Bondi, M. Cavallaro, A. Cunsolo, M. De Napoli, A. Foti, R. Linares, D. Nicolosi, S. Tropea		
<b>Transfer Reactions on Light Exotic Nuclei Studied with CHIMERA Detector at LNS</b>	<b>03016</b>	719
Giuseppe Cardella, Luis Acosta, Francesca Amorini, Lucrezia Auditore, Ionela Berceanu, Mihir Chatterjee, Enrico DeFilippo, Laura Francalanza, Rita Giani, Laura Grassi, Elena La Guidara, Gaetano Lanzalone, Ivano Lombardo, Dario Loria, Triestino Minniti, Angelo Pagano, Emanuele V. Pagano, Massimo Papa, Sara Pirrone, Giuseppe Politi, Amalia Pop, Francesco Porto, Francesca Rizzo, Elio Rosato, Paolo Russotto, Simone Santoro, Antonio Trifirò, Marina Trimarchi, Giuseppe Verde, Mariano Vigilante		
<b>Interference Effects Between Direct and Sequential Processes in the <math>(^{18}\text{O}, ^{16}\text{O})</math> Reaction</b>	<b>03017</b>	723
M. Cavallaro, F. Cappuzzello, M. Bondi, D. Carbone, V. N. Garcia, A. Gargano, S.M. Lenzi, J. Lubian, C. Agodi, F. Azaiez, M. De Napoli, A. Foti, S. Franchoo, R. Linares, D. Nicolosi, M. Niikura, J. A. Scarpaci, S. Tropea		
<b>Retarding Friction Versus White Noise in the Description of Heavy Ion Fusion</b>	<b>03018</b>	727
Maria Chushnyakova, Igor Gontchar		
<b>Studies of the Three-Nucleon System Dynamics in the Deuteron-Proton Breakup Reaction</b>	<b>03019</b>	733
I. Ciepal, B. Klos, E. Stephan, St. Kistryn, A. Biegun, K. Bodek, A. Deltuva, E. Epelbaum, M. Eslami-Kalantari, A. C. Fonseca, J. Golak, V. Jha, N. Kalantar-Nayestanaki, H. Kamada, G. Khatri, Da. Kirillov, Di. Kirillov, St. Kliczewski, A. Kozela, M. Kravcikova, H. Machner, A. Magiera, G. Martinska, J. Messchendorp, A. Nogga, W. Parol, A. Ramazani-Moghaddam-Arani, B. J. Roy, H. Sakai, K. Sekiguchi, I. Sitnik, R. Siudak, R. Skibinski, R. Sworost, J. Urban, H. Witala, J. Zejma		
<b>Interplay Between Multiple Intranuclear Scattering and Pickup in Proton-induced Emission of <math>^3\text{He}</math> Into the Continuum</b>	<b>03020</b>	737
A.A. Cowley, J.J. van Zyl		
<b>The Liège Intranuclear Cascade Model – Towards a Unified Description of Nuclear Reactions Induced by Nucleons and Light Ions from a Few MeV to a Few GeV</b>	<b>03021</b>	741
Joseph Cugnon, Alain Boudard, Jean-Christophe David, Sylvie Leray, Davide Mancusi		
<b>Projectile Structure Effects in the Collisions <math>^{6,7}\text{Li}+^{64}\text{Zn}</math> Around the Coulomb Barrier.</b>	<b>03022</b>	745
P. Figuera, A. Di Pietro, M. Fisichella, M. Lattuada, C. Maiolino, M. Milin, A. Musumarra, V. Ostashko, M.G. Pellegriti, G. Randisi, D. Santonocito, V. Scuden, E. Strano, D. Torresi, M. Zadro		
<b>Elastic and Break-up of the 1n-halo <math>^{11}\text{Be}</math> Nucleus</b>	<b>03023</b>	749
A. Di Pietro, A.M. Moro, L. Acosta, F. Amorini, M.J.G. Borge, P. Figuera, M. Fisichella, L.M. Fraile, J. Gomez-Camacho, H. Jeppesen, M. Lattuada, I. Martel, M. Milin, A. Musumarra, M. Papa, M.G. Pellegriti, F. Perez-Bernal, R. Raabe, G. Randisi, F. Rizzo, V. Scuderi, O. Tengblad, D. Torresi, A. Maira Vidal, D. Voulot, F. Wenander, M. Zadro		
<b>Mass-asymmetry Effects in Heavy Ion Reactions: Complete Fusion Vs Incomplete Fusion</b>	<b>03024</b>	753
Sunil Dutt, Avinash Agarwal, Munish Kumar, Vijay R. Sharma, I. A. Rizvi, R. Kumar, A. K. Choubey		
<b>Microscopic Study on Proton Elastic Scattering of Helium and Lithium Isotopes at Energy Range Up to 160 MeV/Nucleon.</b>	<b>03025</b>	757
M. Y. H. Farag, E. H. Esmael, H. M. Maridi		
<b>Systematic Study of (d,n) Reactions at <math>E_d = 16</math> MeV Using a Deuterated Scintillator Array</b>	<b>03026</b>	761
M. Febraro, F.D. Beccetti, R.O. Torres-Isea, A.M. Howard, A. Riggins, C. Lawrence, J.J. Kolata		
<b>Measurement of Li+Sn Fusion Excitation Functions Around the Coulomb Barrier Using an Improved Activation Technique</b>	<b>03027</b>	765
M. Fisichella, A.C. Shrotter, A. Di Pietro, P. Figuera, M. Lattuada, C. Marchetta, A. Musumarra, M.G. Pellegriti, C. Ruiz, V. Scuderi, E. Strano, D. Torresi, M. Zadro		
<b>Pre-equilibrium <math>\alpha</math>-Particle Emission As a Probe to Study <math>\alpha</math>-Clustering in Nuclei</b>	<b>03028</b>	769
O.V. Fotina, S.A. Goncharov, D.O. Eremenko, S.Yu. Platonov, O.A. Yuminov, V.L. Kravchuk, F. Gramegna, T. Marchi, M. Cinausero, M. D'Agostino, M. Bruno, G. Baiocco, L. Morelli, M. Degerlier, G. Casini, S. Barlini, S. Valdrè, S. Piantelli, G. Pasquali, A. Bracco, F. Camera, O. Wieland, G. Benzoni, N. Blasi, A. Giaz, A. Corsi, D. Fabris		

<b>Exploring Reaction Mechanisms and Their Competition in <math>^{58}\text{Ni}+^{48}\text{Ca}</math> Collisions at E = 25 AMeV</b>	773
<i>L. Francalanza, U. Abbondanno, F. Amorini, S. Barlini, M. Bini, R. Bougault, M. Bruno, G. Cardella, G. Casini, M. Colonna, M. D'Agostino, E. De Filippo, J. De Sanctis, E. Geraci, A. Giussani, F. Gramegna, B. Guiot, V. Kravchuk, E. La Guidara, G. Lanzalone, N. Le, Neindre, C. Maiolino, P. Marini, L. Morelli, A. Olmi, A. Pagano, M. Papa, S. Piantelli, S. Pirrone, G. Politi, G. Poggi, F. Porto, P. Russotto, F. Rizzo, G. Vannini, L. Vannucci</i>	
<b>Investigating the Astrophysical <math>^{22}\text{Ne}(\text{p}, \gamma)^{23}\text{Na}</math> and <math>^{22}\text{Mg}(\text{p}, \gamma)^{23}\text{Al}</math> Reactions with a Multi-channel Scattering Formalism</b>	777
<i>P. R. Fraser, L. Canton, K. Amos, S. Karataglidis, J. P. Svenne, D. van der Kniff</i>	
<b>Investigation of the Unbound <math>^{21}\text{C}</math> Nucleus Via Transfer Reaction</b>	781
<i>Tokuo Fukui, Kazuyuki Ogata</i>	
<b>Probing the Symmetry Energy at Low Density Using Observable from Neck Fragmentation</b>	785
<i>E. De Filippo, L. Acosta, C. Agodi, F. Amorini, L. Auditore, V. Baran, I. Berceanu, T. Cap, G. Cardella, M. Colonna, L. Francalanza, E. Geraci, R. Giani, L. Grassi, A. Grzeszczuk, P. Guazzoni, J. Han, E. La Guidara, G. Lanzalone, I. Lombardo, C. Maiolino, T. Minniti, A. Pagano, E.V. Pagano, M. Papa, E. Piasecki, R. Planeta, S. Pirrone, G. Politi, A. Pop, F. Porto, L. Quattrociocchi, F. Rizzo, E. Rosato, P. Russotto, K. Siwek-Wilczynska, I. Skwira-Chalot, A. Trifirò, M. Trimarchi, G. Verde, M. Vigilante, J. Wilczynski, L. Zetta</i>	
<b>Dynamical Dipole and Equation of State in N/Z Asymmetric Fusion Reactions</b>	789
<i>Agnese Giaz, Anna Corsi, Franco Camera, Oliver Wieland, Vladimir L. Kravchuk, Sandro Barlini, Rosa Alba, P. Bednarczyk, Angela Bracco, Giorgio Baiocco, Luigi Bardelli, Giovanna Benzioni, M. Bini, Nives Blasi, Sergio Brambilla, Mauro Bruno, Giovanni Casini, Michal Ciemala, Marco Cinausero, M. Chiari, Maria Colonna, Fabio Celso, Luigi Crespi, Michela D'Agostino, Meltem Degerlier, Massimo Di Toro, Fabiana Gramegna, Maria Kmiecik, Silvia Leoni, C. Maiolino, Adam Maj, Tommaso Marchi, K. Mazurek, W. Meczynski, Benedicte Million, Daniele Montanari, Luca Morelli, Adriana Nannini, Roberto Nicolini, G. Pasquali, S. Piantelli, A. Ordine, Giacomo Poggi, V. Rizzi, Carmelo Rizzo, Domenico Santonocito, Valeria Vandone, G. Vannini</i>	
<b>Study of the Structure of the Hoyle State by Refractive <math>\alpha</math>-Scattering</b>	793
<i>S.A. Goncharov, A.S. Demyanova, Yu.A. Gloukhov, A.N. Danilov, A.A. Ogleblin, T.L. Belyaeva, Yu.G. Sobolev, W. Trzaska, G.P. Tuyrin, S.V. Khlebnikov</i>	
<b>Pseudo-critical Clusterization in Nuclear Multifragmentation</b>	797
<i>D. Gruyer, J.D. Frankland, R. Botet, M. Ploszajczak, E. Bonnet, A. Chbihi, P. Marini</i>	
<b>Elastic Scattering of the Halo Nucleus <math>^{11}\text{Be}</math> on <math>^{64}\text{Zn}</math></b>	801
<i>M. Hemalatha</i>	
<b>Mass-angle Distributions - Insights Into the Dynamics of Heavy Element Formation</b>	805
<i>D.J. Hinde, R. du Rietz, E. Williams, C. Simenel, C.J. Lin, A. Wakhele, K.J. Cook, M. Dasgupta, M. Evers, D.H. Luong</i>	
<b>Calculation of Vector Analyzing Power in the <math>\text{P}+^{6,8}\text{He}</math> Elastic Scattering at Intermediate Energies</b>	811
<i>Elena Ibraeva, Onlasun Imambekov</i>	
<b>Sensitivity of the Transition Energy Towards Mass Asymmetry of the Colliding Nuclei</b>	815
<i>Anupriya Jain, Sangeeta Arora, Suneel Kumar</i>	
<b><math>^4\text{He}(\gamma, d)d</math> and <math>^3\text{He}(\gamma, p)d</math> Reactions in Nonlocal Covariant Model</b>	819
<i>Yu. A. Kasatkin, P.E. Kuznetsov, O.E. Koschchii, V.F. Klepikov</i>	
<b><math>\alpha+^{12}\text{C}</math> Rotational Bands in <math>^{16}\text{O}</math></b>	823
<i>M. Katsuta</i>	
<b>Fusion Using Time-dependent Density-constrained DFT</b>	827
<i>R. Keser, A.S. Umar, V.E. Oberacker, J.A. Maruhn, P.-G. Reinhard</i>	
<b>Relative Importance of Energy Dependent Diffuseness Parameter and Barrier Position in the Analysis of Fusion Excitation Function Data</b>	831
<i>Rajesh Kharab, Manjeet Singh</i>	
<b>Study of the Multi-nucleon Transfer Reactions of <math>^{136}\text{Xe} + ^{198}\text{Pt}</math> for Producing Exotic Heavy Nuclei</b>	835
<i>Y. H. Kim, Y. X. Watanabe, Y. Hirayama, N. Imai, H. Ishiyama, S. C. Jeong, H. Miyatake, S. Choi, J. Song, E. Clement, G. De France, A. Navin, M. Rejmund, C. Schmitt, G. Pollarolo, L. Corradi, E. Fioretto, D. Montanari, M. Niikura, D. Suzuki, H. Nishibata, J. Takatsu</i>	
<b>Experimental Study of Relativistic Effects in the DP Breakup Reaction Using the WASA Detector</b>	839
<i>B. Kłos, I. Ciepał, B. Jamróz, G. Khatri, S. Kistryn, A. Kozela, A. Magiera, W. Parol, I. Skwira-Chalot, E. Stephan</i>	
<b>Who Plays in the Hoyle Band?</b>	843
<i>Tzany Kokalova</i>	
<b>Study of Neutron-neutron Interaction in Proton Pick-up Reactions on <math>^3\text{H}</math></b>	851
<i>E. Konobeevski, V. Lebedev, M. Mordovskoy, A. Spasskii, S. Zuyev</i>	
<b>Angular Distribution and Cross Section Measurement of the <math>^6\text{Li}(^3\text{He}, n)^8\text{B}</math> Reaction at 5.8 MeV</b>	855
<i>M. Cinausero, V.L. Kravchuk, T. Marchi, F. Gramegna, G. Collazuol, G. de Angelis, G. Prete, E. Wildner, V. Palladino, M. Mezzetto</i>	
<b>Modeling of the Signal Induced by the Charged Particles in Silicon Detector</b>	859
<i>Przemysław Kulig</i>	
<b>Study of the Decay of <math>^{291}\text{115}^*</math> Formed in <math>^{48}\text{Ca}+^{243}\text{Am}</math> Reaction</b>	863
<i>Raj Kumar, Manoj K. Sharma, Kirandeep Sandhu, Raj K. Gupta</i>	
<b>A Study of Proton Breakup from Exotic Nuclei Through Various Reaction Mechanisms in 40A - 80AMeV Energy Range</b>	867
<i>Ravinder Kumar, Angela Bonaccorso</i>	
<b>Decay Competition for IMF Produced in the Collisions <math>^{78}\text{Kr}+^{40}\text{Ca}</math> and <math>^{86}\text{Kr}+^{48}\text{Ca}</math> at 10 A MeV</b>	871
<i>M. La Commara, S. Pirrone, G. Politi, J.P. Wieleczko, G. Ademard, E. De Filippo, M. Vigilante, F. Amorini, L. Auditore, C. Beck, I. Berceanu, E. Bonnet, B. Borderie, G. Cardella, A. Chbihi, M. Colonna, J.D. Frankland, E. Geraci, E. Henry, E. La Guidara, G. Lanzalone, P. Lautesse, D. Lebhertz, N. Le Neindre, I. Lombardo, D. Loria, K. Mazurek, A. Pagano, M. Papa, E. Piasecki, F. Porto, M. Quinlann, M.F. Rivet, F. Rizzo, E. Rosato, P. Russotto, W.U. Schroeder, G. Spadaccini, A. Trifirò, J. Toke, M. Trimarchi, G. Verde</i>	

<b>Core Excitations in the Structure and Reactions of Halo Nuclei</b>	<b>03053</b>	875
J. A. Lay, A. M. Moro, J.M. Arias, J. Gómez-Camacho		
<b>Experiments with a Double Solenoid System: Measurements of the <math>{}^6\text{He} + \text{P}</math> Resonant Scattering</b>	<b>03054</b>	879
R. Pampa Condori, R. Lichtenháler, A. Lépine-Szily, L.R. Gasques, P. N de Faria, D.R. Mendes Jr., M.C. Morais, K.C.C. Pires, V.B. Scarduelli, E. Leistenschneider, J. A. Alcantara-Nunez, J. M. B. Shorto, M. Assuncao		
<b>Sub-barrier Fusion and Neutron Transfer with Positive Q-value</b>	<b>03055</b>	883
C. J. Lin, H. M. Jia, H. Q. Zhang, X. X. Xu, F. Yang, L. Yang, P. F. Bao, L. J. Sun, Z. H. Liu		
<b>Nuclear Stopping for Heavy-ion Induced Reactions in the Fermi Energy Range: From 1-body to 2-body Dissipation</b>	<b>03056</b>	887
O. Lopez, G. Lehaut, D. Durand, M. Aouadi		
<b>Investigation of the Disappearance of Collective Motion in Nuclei of Mass A~120-130</b>	<b>03057</b>	891
C. Maiolino, D. Santonocito, D. Wang, Y. Blumenfeld, C. Agodi, R. Alba, F. Amorini, L. Auditore, G. Bellia, G. Cardella, R. Coniglione, F. Delaunay, E. De Filippo, A. Del Zoppo, U. Emanuele, P. Finocchiaro, N. Frascaria, F. Hongmei, V. Lima, C. Monrozeau, E. Migneco, M. Papa, P. Piattelli, S. Pirrone, F. Rizzo, P. Sapienza, J.A. Scarpaci, A. Trifirò, M. Trimarchi		
<b>Near Barrier Scattering of <math>{}^8\text{He}</math> on <math>{}^{208}\text{Pb}</math></b>	<b>03058</b>	895
G. Marquinez-Durán, A.M. Sánchez-Benítez, I. Martel, L. Acosta, K. Rusek, M.A.G Álvarez, R. Berjillos, M.J.G. Borge, A. Chbihi, C. Cruz, M. Cubero, J.A. Dueñas, J.P. Fernández-García, B. Fernández-Martínez, J.L. Flores, J. Gómez-Camacho, N. Keeley, J.A. Labrador, M. Marquéz, A.M. Moro, M. Mazzocco, A. Pakou, V.V. Parkar, N. Patronis, V. Pesudo, D. Pierrotsakou, R. Raabe, R. Silvestri, N. Soic, L. Standylo, I. Strojek, O. Tengblad, R. Wolski, A.H. Ziad		
<b>Production of Energetic Light Fragments in Spallation Reactions</b>	<b>03059</b>	899
Stepan G. Mashnik, Leslie M. Kerby, Konstantin K. Gudima, Arnold J. Sierk		
<b>Transfer vs. Breakup in the Interaction of the <math>{}^7\text{Be}</math> Radioactive Ion Beam with a <math>{}^{58}\text{Ni}</math> Target at Coulomb Barrier Energies</b>	<b>03060</b>	903
M. Mazzocco, D. Torresi, L. Acosta, A. Boiano, C. Boiano, N. Fierro, T. Glodariu, A. Guglielmetti, N. Keeley, M. La Commara, I. Martel, C. Mazzocchi, P. Molini, A. Pakou, C. Parascandolo, V.V. Parkar, N. Patronis, D. Pierrotsakou, M. Romoli, K. Rusek, A.M. Sanchez-Benitez, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, E. Stiliaris, E. Strano, L. Stroe, K. Zerva		
<b><math>{}^{238}\text{U}(\text{n}, \gamma)</math> Reaction Cross Section Measurement with <math>\text{C}_6\text{D}_6</math> Detectors at the <math>\text{n\_TOF}</math> CERN Facility</b>	<b>03061</b>	907
F. Mingrone, C. Massimi, G. Vannini, S. Altstadt, J. Andrzejewski, L. Audouin, A. Barbagallo, V. Bécaries, F. Bečvář, F. Belloni, E. Berthoumieux, J. Billowes, D. Bosnar, M. Brugger, M. Calviani, F. Calviño, D. Cano-Ott, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, N. Colonna, G. Cortés, M.A. Cortés-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Gáñesán, A.R. García, G. Giubrone, I.F. González-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, A. Hernández-Prieto, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Krticka, J. Kroll, C. Lampoudis, C. Langer, E. Leal-Cidoncha, C. Lederer, H. Leeb, L.S. Leong, R. Losito, A. Mallick, A. Manousos, J. Marganiec, T. Martínez, P.F. Mastinu, M. Mastromarco, E. Mendoza, A. Mengoni, P.M. Milazzo, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, A. Plompens, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarth, A. Riego, M.S. Robles, C. Rubbia, M. Sabaté-Gilarte, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrio, L. Tassan-Got, A. Tsinganis, S. Valenta, V. Variale, P. Vaz, A. Ventura, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weib, T. Wright, P. Žugec		
<b>Inelastic Process Observed in Charge-exchange Reactions of <math>{}^{56}\text{Fe}</math> at 500 MeV/u</b>	<b>03062</b>	911
S. Momota, T. Yamaguchi, T. Suzuki, F. Suzuki, K. Sato, S. Yamaki, J. Kouno, A. Ozawa, R. Nishikiori, D. Nishimura, M. Fukuda, S. Suzuki, M. Nagashima, A. Kitagawa, S. Sato		
<b>Transfer Probability Measurements in the Superfluid <math>{}^{116}\text{Sn}+{}^{60}\text{Ni}</math> System</b>	<b>03063</b>	915
D. Montanari, L. Corradi, S. Szilner, G. Pollarolo, E. Fiorotto, A.M. Stefanini, E. Farnea, C. Michelagnoli, G. Montagnoli, F. Scarlassara, C. A. Ur, S. Courtin, A. Goasdouf, F. Haas, T. Mijatovic, N. Soic		
<b>Probing the Statistical Decay and <math>\alpha</math>-Clustering Effects in <math>{}^{12}\text{C} + {}^{12}\text{C}</math> and <math>{}^{14}\text{N} + {}^{10}\text{B}</math> Reactions</b>	<b>03064</b>	919
L. Morelli, G. Baiocco, M. D'Agostino, M. Bruno, F. Gulminelli, M. Cinausero, M. Degerlier, D. Fabris, F. Gramegna, T. Marchi, S. Barlini, M. Bini, G. Casini, N. Gelli, A. Lopez, G. Pasquali, S. Piantelli, S. Valdre		
<b>Study of Heavy-ion Induced Fission for Heavy-element Synthesis</b>	<b>03065</b>	923
K. Nishio, H. Ikezoe, S. Hofmann, F.P. Heberberger, D. Ackermann, S. Antalic, Y. Arimoto, V.F. Comas, Ch.E. Düllman, A. Gorshkov, R. Graeger, S. Heinz, J.A. Heredia, K. Hirose, J. Khuyagbaatar, B. Kindler, I. Kojouharov, B. Lommel, H. Makii, R. Mann, S. Mitsuoka, Y. Nagame, I. Nishinaka, T. Ohtsuki, A.G. Popeko, S. Saro, M. Schädel, A. Türler, Y. Wakabayashi, Y. Watanabe, A. Yakushev, A.V. Yeremin		
<b>Synthesis of <math>{}^{250-253}\text{No}</math> in <math>{}^{206}\text{Pb}+{}^{48}\text{Ca}</math> Reaction</b>	<b>03066</b>	927
Niyi, Raj K. Gupta		
<b>Effects of Configuration Mixing in Heavy-ion Elastic Scattering</b>	<b>03067</b>	931
F. Cappuzzello, J. Lubian, J. R. B. Oliveira, C. Agodi, M. Bondi, D. Carbone, M. Cavallaro, L. C. Chamón, A. Cunsolo, M. De Napoli, A. Foti, V. Nunes Garcia, L. R. Gasques, P. R. S. Gomes, R. Linares, D. Nicолоси, B. Paes, S. Tropea		
<b>Proton-proton Femtoscopy and Access to Dynamical Sources at Intermediate Energies</b>	<b>03068</b>	935
E.V. Pagano, G. Verde, T. Minniti, P. Danielewicz, B. Barker		
<b>Investigation of the Dynamical Dipole Mode in the <math>{}^{192}\text{Pb}</math> Mass Region</b>	<b>03069</b>	941
Concetta Parascandolo, D. Pierrotsakou, C. Agodi, R. Alba, V. Baran, A. Boiano, M. Colonna, R. Coniglione, E. De Filippo, A. Del Zoppo, M. Di Toro, U. Emanuele, F. Farinon, A. Guglielmetti, M. La Commara, C. Maiolino, B. Martin, M. Mazzocco, C. Mazzocchi, C. Rizzo, M. Romoli, D. Santonocito, C. Signorini, R. Silvestri, F. Soramel, E. Strano, D. Torresi, A. Trifirò, M. Trimarchi		
<b>Isospin Transport in <math>{}^{84}\text{Kr}+{}^{112,124}\text{Sn}</math> Reactions at Fermi Energies</b>	<b>03070</b>	945
S. Piantelli, G. Casini, A. Olmi, S. Barlini, M. Bini, S. Carboni, P.R. Maurenzig, G. Pasquali, G. Poggi, A.A. Stefanini, R. Bougault, N. LeNeindre, O. Lopez, M. Parlog, E. Vient, E. Bonnet, A. Chbihi, J.D. Frankland, D. Gruyer, E. Rosato, G. Spadaccini, M. Vigilante, B. Borderie, M.F. Rivet, M. Bruno, L. Morelli, M. Cinausero, M. Degerlier, F. Gramegna, T. Marchi, R. Alba, C. Maiolino, D. Santonocito, T. Kozik, T. Twarog		
<b>Study of Reactions Induced by <math>{}^6\text{He}</math> on <math>{}^9\text{Be}</math></b>	<b>03071</b>	949
K.C.C. Pires, R. Lichtenháler, A.M. Moro, M. Rodriguez-Gallardo, A. Lépine-Szily, V. Guimarães, P.N. Faria, A. Barioni, D.R. Mendes Junior, M. Assunção, M. C. Morais, V. Morelle, J. M. B. Shorto, R. Pampa-Condori, V. Scarduelli, E. Leistenschneider, L. M. Fonseca, V. Zagatto, T. B. Nassar, J. C. Zamora		

<b>Further Limit on <math>3\alpha</math> Decay of Hoyle State</b>	<b>03072</b>	.....	953
T. K. Rana, C. Bhattacharya, S. Bhattacharya, S. Kundu, K. Banerjee, T. K. Ghosh, G. Mukherjee, R. Pandey, P. Roy, V. Srivastava, M. Gohil, J. K. Meena, H. Pai, A. K. Saha, J. K. Sahoo, R. M. Saha			
<b>Angular Momentum Dependence of the Nuclear Level Density Parameter</b>	<b>03073</b>	.....	957
M. Gohil, Pratap Roy, K. Banerjee, S. Bhattacharya, C. Bhattacharya, S. Kundu, T. K. Rana, T. K. Ghosh, G. Mukherjee, R. Pandey, J. K. Meena, H. Pai, V. Srivastava, A. Dey, Deepak Pandit, S. Mukhopadhyay, S. Pal, S. R. Banerjee			
<b>The ASY-EOS Experiment at GSI: Investigating Symmetry Energy at Supra-saturation Densities</b>	<b>03074</b>	.....	961
P. Russotto, M. Chartier, M.D. Cozma, E. Di Filippo, A. Le Fèvre, S. Gannon, I. Gasparic, M. Kiš, S. Kupny, Y. Leifels, R.C. Lemmon, Q. Li, J. Lukasik, P. Marini, P. Pawłowski, S. Santoro, W. Trautmann, M. Vesely, L. Acosta, M. Adamczyk, A. Al-Ajlan, M. Al-Garawi, S. Al-Homaiedhi, F. Amorini, L. Auditore, T. Aumann, Y. Ayyad, V. Baran, Z. Basrak, R. Bassini, J. Benlliure, C. Boiano, M. Boisjoli, K. Boretzky, J. Brzyczyk, A. Budzanowski, G. Cardella, P. Cammarata, Z. Chajecki, A. Chibibi, M. Colonna, B. Czech, M. Di Toro, M. Famiano, V. Greco, L. Grassi, C. Guazzoni, M. Heil, L. Heilborn, R. Introzzi, T. Isobe, K. Kezzar, A. Krasznahorkay, N. Kurz, E. La Guidara, G. Lanzalone, P. Lasko, I. Lombardo, W.G. Lynch, Z. Matthews, L. May, T. Minniti, M. Mostazo, A. Pagano, M. Papa, S. Pirrone, R. Pleskac, G. Politi, F. Porto, R. Reifarth, W. Reisdorf, F. Riccio, F. Rizzo, E. Rosato, D. Rossi, H. Simon, I. Skwirczynska, Z. Sosin, L. Stuhl, A. Trifirò, M. Trimarchi, M.B. Tsang, G. Verde, M. Vigilante, A. Wieloch, P. Wigg, H.H. Wolter, P. Wu, S. Yennello, P. Zambon, L. Zetta, M. Zoric			
<b>Microscopic Time-dependent Analysis of Neutrons Transfers at Low-energy Nuclear Reactions with Spherical and Deformed Nuclei</b>	<b>03075</b>	.....	965
Viacheslav Samarin			
<b>Complete Set of Deuteron Analyzing Powers for dp Elastic Scattering at Intermediate Energies and Three Nucleon Forces</b>	<b>03076</b>	.....	969
K. Sekiguchi, H. Okamura, Y. Wada, J. Miyazaki, T. Taguchi, U. Gebauer, M. Dozono, S. Kawase, Y. Kubota, C. S. Lee, Y. Maeda, T. Mashiko, K. Miki, S. Sakaguchi, H. Sakai, N. Sakamoto, M. Sasano, Y. Shimizu, K. Takahashi, R. Tang, T. Uesaka, T. Wakasa, K. Yako			
<b>Measurement of Neutron Activation Cross Sections on Mo isotopes in the Energy Range from 7 MeV to 15 MeV</b>	<b>03077</b>	.....	973
Valentina Semkova, Ralf Nolte			
<b>Recent Developments in the Experimental Nuclear Reaction Data Library EXFOR</b>	<b>03078</b>	.....	977
Valentina Semkova, Naohiko Otuka, Stanislav Simakov, Viktor Zerkin			
<b>Incomplete Fusion Reactions at Low Energies in <math>^{13}\text{C}+^{169}\text{Tm}</math> System</b>	<b>03079</b>	.....	981
Vijay R. Sharma, Abhishek Yadav, Devendra P. Singh, Pushpendra P. Singh, Indu Bala, R. Kumar, M. K. Sharma, S. Gupta, S. Murlithar, R. P. Singh, B. P. Singh, R. Prasad			
<b>Study of the Shell Effect on Nuclear Dissipation Via Neutron Multiplicity Measurement</b>	<b>03080</b>	.....	985
Varinderjit Singh, B. R. Behera, Jhilam Sadhukhan, Santanu Pal			
<b>Nucleon Mean-free Path in the Medium</b>	<b>03081</b>	.....	989
V. Somà, A. Rios			
<b>Fusion of <math>^{28}\text{Si} + ^{28}\text{Si}</math>: Oscillations Above the Barrier and the Behavior Down to <math>1\mu\text{b}</math></b>	<b>03082</b>	.....	993
A.M. Stefanini, G. Montagnoli, L. Corradi, S. Courtin, E. Fioretto, J. Grebosz, F. Haas, H.M. Jia, M. Mazzocco, C. Michelagnoli, T. Mijatovic, D. Montanari, C. Parascandolo, F. Scarlassara, E. Strano, S. Szilner, D. Torresi, C. A. Ur			
<b><math>^{25}\text{Na}</math> and <math>^{25}\text{Mg}</math> Fragmentation on <math>^{12}\text{C}</math> at 9.23 MeV per Nucleon</b>	<b>03083</b>	.....	997
Patrick St-Onge, René Roy, Jérôme Gauthier, Barton Wallace			
<b>Measurements of Interaction Cross Sections for <math>^{22-35}\text{Na}</math> Isotopes</b>	<b>03084</b>	.....	1001
S. Suzuki, M. Takechi, T. Ohtsubo, D. Nishimura, M. Fukuda, T. Kuboki, M. Nagashima, T. Suzuki, T. Yamaguchi, A. Ozawa, H. Ohishi, T. Moriguchi, T. Sumikama, H. Geissel, N. Aoi, Rui-Jiu Chen, De-Qing Fang, N. Fukuda, S. Fukuoka, H. Furuki, N. Inabe, Y. Ishibashi, T. Ito, T. Izumikawa, D. Kameda, T. Kubo, M. Lantz, C.S. Lee, Yu-Gang Ma, M. Mihara, S. Momota, D. Nagae, R. Nishikiori, T. Niwa, T. Ohnishi, K. Okumura, T. Ogura, H. Sakurai, K. Sato, Y. Shimbara, H. Suzuki, H. Takeda, S. Takeuchi, K. Tanaka, H. Uenishi, M. Winkler, Y. Yanagisawa			
<b>Probing Nucleon-nucleon Correlations Via Heavy Ion Transfer Reactions</b>	<b>03085</b>	.....	1005
S. Szilner			
<b>Scattering of Light Halo Nuclei on Heavy Target at Energies Around the Coulomb Barrier</b>	<b>03086</b>	.....	1013
O. Tengblad, M.J.G. Borge, M. Cubero, E. Nacher, V. Pesudo, A. Perea, J. Gomez-Camacho, A. M. Moro, J.P. Fernandez-Garcia, M.A.G. Alvarez, M. Rodriguez-Gallardo, J. A. Lay, I. Martel, L. Acosta, A. M. Sanchez-Benitez, G. Marquinez-Duran, P. Walden			
<b>Elastic Scattering of <math>^{17}\text{O}</math> Ions from <math>^{58}\text{Ni}</math> at Near-barrier Energies</b>	<b>03087</b>	.....	1017
D. Torresi, E. Strano, M. Mazzocco, A. Boiano, C. Boiano, P. Di Meo, A. Guglielmetti, M. La Commara, C. Manea, M. Nicoletto, C. Parascandolo, L. Parascandolo, D. Pierroutsakou, M. Sandoli, C. Signorini, F. Soramel, N. Toniolo, J. Grebosz, D. Filipescu, A. Gheorghe, T. Glodaru, L. Stroe, H. Miyatake, Y. Watanabe, S. Jeong, Y.H. Kim, A. Pakou, O. Sgouros, V. Soukeras, K. Zerva			
<b>Measurement of the <math>^{242}\text{Pu}(\text{n},\text{f})</math> Cross Section at <math>n_{\text{TOF}}</math></b>	<b>03088</b>	.....	1021
A. Tsinganis, E. Berthoumieux, C. Guerrero, N. Colonna, M. Calviani, R. Vlastou, S. Andriamonje, V. Vlachoudis, F. Gunsing, C. Massimi			
<b>Molecular Resonances in <math>^{28}\text{Si} + ^{28}\text{Si}</math> - Wobbling Motions Observed by Angular Correlation Measurements</b>	<b>03089</b>	.....	1025
E. Uegaki, Y. Abe			
<b>Measurement of Light Charged Particles in the Decay Channels of Medium-mass Excited Compound Nuclei</b>	<b>03090</b>	.....	1031
S. Valdré, S. Barlini, G. Casini, G. Pasquali, S. Piantelli, S. Carboni, M. Cinausero, F. Gramegna, T. Marchi, G. Baiocco, L. Bardelli, G. Benzoni, M. Bini, N. Blasi, A. Bracco, S. Brambilla, M. Bruno, F. Camera, A. Corsi, F. Crespi, M. D'Agostino, M. Degerlier, V. L. Kravchuk, S. Leoni, B. Million, D. Montanari, L. Morelli, A. Nannini, R. Nicolini, G. Poggi, G. Vannini, O. Wieland, P. Bednarczyk, M. Ciemala, J. Dudek, B. Fornal, M. Kniecik, A. Maj, M. Matejska-Minda, K. Mazurek, W. Meczynski, S. Myalski, J. Styczen, M. Zieblinski			
<b>Differential Cross Sections for Neutron Elastic and Inelastic Scattering on <math>^{23}\text{Na}</math></b>	<b>03091</b>	.....	1035
J.R. Vanhoy, S.F. Hicks, A. Chakraborty, B.R. Champine, B. Combs, B.P. Crider, L.J. Kersting, A. Kumar, C.J. Lueck, P.J. McDonough, M. T. McEllistrem, E. E. Peters, F. M. Prados-Estevez, L. Sidwell, A. Sigillito, D. W. Watts, S. W. Yates			

<b>Dynamics of Collinear Ternary Fission in the Fragmentation of <math>^{252}\text{Cf}</math></b>	<b>03092</b>	1039
W. von Oertzen, K.R. Vijayaraghavan, M. Balasubramaniam		
<b>First EXL Experiment with Stored Radioactive Beam: Proton Scattering on <math>^{56}\text{Ni}</math></b>	<b>03093</b>	1043
M. von Schmid, S. Bagchi, S. Bönig, M. Csatlós, I. Dillmann, C. Dimopoulou, P. Egelhof, V. Eremin, T. Furuno, H. Geissel, R. Gernhäuser, M. N. Harakeh, A.-L. Hartig, S. Ilieva, N. Kalantar-Nayestanaki, O. Kiselev, H. Kollmus, C. Kozhuharov, A. Krasznahorkay, T. Kröll, M. Kuilman, S. Litvinov, Yu. A. Litvinov, M. Mahjour-Shafiei, M. Mutterer, D. Nagae, M. A. Najafi, C. Nociforo, F. Nolden, U. Popp, C. Rigollet, S. Roy, C. Scheidenberger, M. Steck, B. Streicher, L. Stuhl, M. Thürauf, T. Uesaka, H. Weick, J. S. Winfield, D. Winters, P. J. Woods, T. Yamaguchi, K. Yue, J. C. Zamora, J. Zenihiro		
<b>Exclusive Measurements of Nuclear Breakup Reactions of <math>^{17}\text{Ne}</math></b>	<b>03094</b>	1047
F. Wamers, J. Marganiec, F. Aksouh, Yu. Aksyutina, H. Álvarez-Pol, T. Aumann, S. Beceiro-Novo, C.A. Bertulani, K. Boretzky, M.J.G. Borge, M. Chartier, A. Chatillon, L.V. Chulkov, D. Cortina-Gil, I.A. Egorova, H. Emeling, O. Ershova, C. Forsén, L.M. Fraile, H. Fynbo, D. Galaviz, H. Geissel, L.V. Grigorenko, M. Heil, D.H.H. Hoffmann, J. Hoffmann, H. Johansson, B. Jonson, C. Karagiannis, M. Karakoç, O.A. Kiselev, J.V. Kratz, R. Kulessa, N. Kurz, C. Langer, M. Lantz, K. Larsson, T. Le Bleis, R. Lemmon, Yu.A. Litvinov, K. Mahata, C. Mintz, T. Nilsson, C. Nociforo, G. Nyman, W. Ott, V. Panin, Yu.L. Parfenova, S. Paschalidis, A. Perea, R. Plag, R. Reifarth, A. Richter, C. Rodriguez-Tajes, D. Rossi, K. Riisager, D. Savran, G. Schrieder, N.B. Shul'gina, H. Simon, J. Stroth, K. Sümmerer, J. Taylor, O. Tengblad, E. Tengborn, H. Weick, C. Wimmer, M.V. Zhukov		
<b>New Candidate for Deformed Halo Nucleus in Mg Isotopes Through Analysis of Reaction Cross Sections</b>	<b>03095</b>	1051
S. Watanabe, K. Minomo, S. Tagami, M. Shimada, M. Kimura, M. Takechi, M. Fukuda, D. Nishimura, T. Suzuki, T. Matsumoto, Y. R. Shimizu, M. Yahiro		
<b>Three-nucleon Reactions with Chiral Dynamics</b>	<b>03096</b>	1055
H. Witala, J. Golak, R. Skibinski, K. Topolnicki		
<b>Symmetry Energy Dependence of Light Fragment Production in Heavy Ion Collisions</b>	<b>03097</b>	1059
H.H. Wolter, M. Zielińska-Pfabe, P. Decowski, M. Colonna, R. Bougault, A. Chbihi		
<b>Evolution of Single-Particle Energies for N=9 Nuclei at Large N/Z</b>	<b>03098</b>	1063
A. H. Wijsmaa, S. Bedoor, M. Alcorta, B. B. Back, B. A. Brown, C. M. Deibel, C. R. Hoffman, J. C. Lighthall, S. T. Marley, R. C. Pardo, K. E. Rehm, A. M. Rogers, J. P. Schiffer, D. V. Shetty		
<b>Charge-changing Interactions Probing Point-proton Radii of Nuclei</b>	<b>03099</b>	1067
S. Yamaki, J. Kouno, D. Nishimura, M. Nagashima, M. Takechi, K. Sato, K. Abe, Y. Abe, M. Fukuda, H. Furuki, I. Hachiuma, A. Homma, N. Ichihashi, C. Ichikawa, N. Inaba, T. Ito, K. Iwamoto, T. Izumikawa, Y. Kamisho, N. Kikuchi, S. Kinno, A. Kitagawa, T. Kojima, T. Kuboki, M. Mihara, S. Miyazawa, S. Momota, Y. Morita, D. Nagae, Y. Nakamura, K. Namihira, R. Nishikiori, I. Nishizuka, T. Niwa, M. Ogura, Y. Ohkuma, T. Ohtsubo, S. Okada, J. Ohno, A. Ozawa, Y. Saito, T. Sakai, S. Sato, D. Sera, F. Suzuki, S. Suzuki, S. Suzuki, T. Suzuki, M. Taguchi, H. Uenishi, M. Wakabayashi, D. Watanabe, M. Yaguchi, S. Yasumoto, T. Yamaguchi		
<b>Quarkonium Production in Heavy-ion Collisions</b>	<b>04001</b>	1071
Roberta Arnaldi		
<b>Strange Hadrons and Resonances at LHC Energies with the Alice Detector</b>	<b>04002</b>	1079
A. Badalá		
<b>Rapidity Dependence of Particle Densities in pp and AA Collisions in the String Percolation Approach</b>	<b>04003</b>	1083
I. Bautista		
<b>Heavy Flavour in Nucleus-nucleus Collisions at RHIC and LHC: a Langevin Approach</b>	<b>04004</b>	1087
A. Beraudo, A. De Pace, M. Monteno, F. Prino, W.M. Alberico, A. Molinari, M. Nardi		
<b>Emissivity and Conductivity of Parton-hadron Matter</b>	<b>04005</b>	1091
O. Linnyk, E.L. Bratkovskaya, W. Cassing, V.P. Konchakovski, V. Ozvenchuk		
<b>Direct Photons at Large pt : From RHIC to LHC</b>	<b>04006</b>	1095
J. Cepila, J. Nemchik		
<b>Review of Recent Results in Heavy Ion Fluid Dynamics</b>	<b>04007</b>	1099
Laszlo P. Csernai		
<b>Dense Nucleonic Matter and the Renormalization Group</b>	<b>04008</b>	1107
Matthias Drews, Thomas Hell, Bertram Klein, Wolfram Weise		
<b>Anisotropic Flow from Non-equilibrium Initial Condition with a Saturation Scale</b>	<b>04009</b>	1111
V. Greco, M. Ruggieri, F. Scardina, S. Plumari, A. Puglisi		
<b>From Microscopic Interactions to the Dynamics of the Fireball</b>	<b>04010</b>	1115
I. Bouras, O. Fochler, M. Greif, F. Reining, F. Senzel, J. Uphoff, C. Wesp, Z. Xu, C. Greiner		
<b>How Neutron Stars Constrain the Nuclear Equation of State</b>	<b>04011</b>	1119
Thomas Hell, Bernhard Röttgers, Wolfram Weise		
<b>QCD at Small x: From Color Glass Condensate to Pomerons and Odderons and More</b>	<b>04012</b>	1123
Jamal Jalilian-Marian		
<b>Inhomogeneous Chiral Phase by a Variational Approach</b>	<b>04013</b>	1127
S. Karasawa, T. Tatsumi		
<b>Exclusive Electromagnetic Production of Pion Pairs in Lead-lead Collisions at LHC</b>	<b>04014</b>	1131
Mariola Klusek-Gawenda, Antoni Szczurek		
<b>Long-range Rapidity Correlations in High Energy AA Collisions in Monte Carlo Model with String Fusion</b>	<b>04015</b>	1137
Vladimir Kovalenko, Vladimir Vechernin		
<b>Cronin Effect at Different Energies: from RHIC to LHC</b>	<b>04016</b>	1141
Michał Krelina, Jan Nemchik		
<b>Jet Quenching with ATLAS and CMS</b>	<b>04017</b>	1145
Pelin Kurt		
<b>Fluid/Gravity Correspondence, Second Order Transport and Gravitational Anomaly</b>	<b>04018</b>	1153
Eugenio Megías, Francisco Pena-Benítez		
<b>Small-x Physics in eA at the LHeC: Understanding the Initial State of URHIC</b>	<b>04019</b>	1157
Néstor Armesto		

<b>Detecting the Anti-hypertriton and Anti-helium-4 from the RHIC</b>	<b>04020</b>	1161
<i>Yu-Gang Ma</i>		
<b>Constituent Quarks and Gluons, Polyakov Loop and the Hadron Resonance Gas Model</b>	<b>04021</b>	1169
<i>E. Megías, E. Ruiz Arriola, L.L. Salcedo</i>		
<b>Exploring the QCD Phase Diagram Through Relativistic Heavy Ion Collisions</b>	<b>04022</b>	1173
<i>Bedangadas Mohanty</i>		
<b>In-medium Hadron Properties Measured with HADES</b>	<b>04023</b>	1181
<i>J. Pietraszko, G. Agakishiev, C. Behnke, D. Belver, A. Belyaev, J.C. Berger-Chen, A. Blanco, C. Blume, M. Böhmer, P. Cabanelas, S. Chernenko, C. Dritsa, A. Dybczak, E. Epple, L. Fabbietti, O. Fateev, P. Fonte, J. Friese, I. Fröhlich, T. Galatyuk, J. A. Garzón, K. Gill, M. Golubeva, D. González-Díaz, F. Guber, M. Gumberidze, S. Harabasz, T. Hennino, C. Höhne, R. Holzmann, P. Huck, A. Ierusalimov, A. Ivashkin, M. Jurkovic, B. Kämpfer, T. Karavicheva, I. Koenig, W. Koenig, B. W. Kolb, G. Korcyl, G. Kornakov, R. Kotte, A. Kráša, E. Krebs, F. Krizek, H. Kuc, A. Kugler, A. Kurepin, A. Kuriklin, P. Kuriklin, V. Ladygin, R. Lalik, S. Lang, K. Lapidus, A. Lebedev, L. Lopes, M. Lorenz, L. Maier, A. Mangiarotti, J. Markert, V. Metag, J. Michel, C. Müntz, R. Münzer, L. Naumann, M. Palka, Y. Parpottas, V. Pechenov, O. Pechenova, W. Przygoda, B. Ramstein, L. Rehnisch, A. Reshetin, A. Rustamov, A. Sadovsky, P. Salabura, T. Scheib, H. Schuldes, J. Siebenson, Yu.G. Sobolev, S. Spataro, H. Ströbele, J. Stroth, P. Strzempek, C. Sturm, O. Svoboda, A. Tarantola, K. Teilab, P. Tlusty, M. Traxler, H. Tsertos, T. Vasiliev, V. Wagner, M. Weber, C. Wendisch, J. Wüstenfeld, S. Yurevich, Y. Zanevsky</i>		
<b>Study of the Multiplicity Distributions in Relativistic Nucleus - Nucleus Collisions Using the Multiplicity Distribution Moments Method</b>	<b>04024</b>	1189
<i>Catalin Ristea, Alexandru Jipa, Oana Ristea, Calin Besliu, Ionel Lazanu, Marius Calin, Tiberiu Esanu, Vanea Covlea</i>		
<b>Study of the Particle Transverse Momentum Spectra in Relativistic Heavy Ion Collisions Using the Tsallis Statistics</b>	<b>04025</b>	1193
<i>Oana Ristea, Alexandru Jipa, Catalin Ristea, Calin Besliu, Ionel Lazanu, Marius Calin, Tiberiu Esanu, Vanea Covlea</i>		
<b>Profiling hot and dense nuclear medium with high transverse momentum hadrons produced in d+Au and Au+Au collisions by the PHENIX experiment at RHIC</b>	<b>04026</b>	1197
<i>Takao Sakaguchi</i>		
<b>Flow and Correlations in PbPb and pPb Collisions from CMS Experiment</b>	<b>04027</b>	1201
<i>Monika Sharma</i>		
<b>Ultraperipheral Production of Very Small Number of Particles in Ultrarelativistic Heavy Ion Collisions</b>	<b>04028</b>	1205
<i>Antoni Szczurek, Mariola Klusek-Gawenda</i>		
<b>Quark Spin Polarization in High Density Quark Matter</b>	<b>04029</b>	1209
<i>Yasuhiiko Tsue, João da Providência, Constança Providência, Masatoshi Yamamura</i>		
<b>Dense Hadron Star in Quark Degree of Freedom</b>	<b>04030</b>	1213
<i>Yiharn Tzeng, S.Y.Tsay Tzeng</i>		
<b>Equilibrium and Equilibration in a Gluon Plasma with Improved Matrix Elements</b>	<b>04031</b>	1217
<i>Bin Zhang</i>		
<b>Measurement of the Weak Nucleon-nucleon Interaction by Polarized Cold Neutron Capture on Protons</b>	<b>05001</b>	1221
<i>R. Alarcon, D. Blyth</i>		
<b>Early Results from the Q<sub>weak</sub> Experiment</b>	<b>05002</b>	1225
<i>D. Andric, D.S. Armstrong, A. Asaturyan, T. Averett, J. Balewski, J. Beaujait, R.S. Beminiwaththa, J. Benesch, F. Bennokhtar, J. Birchall, R.D. Carlini, G.D. Cates, J.C. Cornejo, S. Covrig, M.M. Dalton, C.A. Davis, W. Deconinck, J. Diefenbach, J.F. Dowd, J.A. Dunne, D. Dutta, W.S. Duwall, M. Elasar, W.R. Fall, J.M. Finn, T. Forest, D. Gaskell, M.T.W. Gericke, J. Grames, V.M. Gray, K. Grimm, F. Guo, J.R. Hoskins, K. Johnston, D. Jones, M. Jones, R. Jones, M. Kargiantoulakis, P.M. King, E. Korkmaz, S. Kowalski, J. Leacock, J. Leckey, A.R. Lee, J.H. Lee, L. Lee, S. MacEwan, D. Mack, J.A. Magee, R. Mahurin, J. Mammei, J. Martin, M.J. McHugh, D. Meekins, J. Mei, R. Michaels, A. Micherdzinska, A. Mkrtchyan, H. Mkrtchyan, N. Morgan, K.E. Myers, A. Narayan, L.Z. Ndikum, V. Nelyubin, Nuruzzaman, W.T.H van Oers, A.K. Opper, S.A. Page, J. Pan, K. Paschke, S.K. Phillips, M.L. Pitt, M. Poelker, J.F. Rajotte, W.D. Ramsay, J. Roche, B. Sawatzky, T. Seva, M.H. Shabestari, R. Silwal, N. Simicevic, G.R. Smith, P. Solvignon, D.T. Spayde, A. Subedi, R. Subedi, R. Suleiman, V. Tadevosyan, W.A. Tobias, V. Tavskis, B. Waidyawansa, P. Wang, S.P. Wells, S.A. Wood, S. Yang, R.D. Young, S. Zhamkochyan</i>		
<b>Searches for Possible T-odd and P-odd Short Range Interactions Using Polarized Nuclei</b>	<b>05003</b>	1233
<i>P. H. Chu, A. Dennis, C. B. Fu, H. Gao, R. Khatiwada, G. Laskaris, K. Li, E. Smith, W. M. Snow, H. Yan, W. Zheng</i>		
<b>Search for New Physics with the π → eν Decay</b>	<b>05004</b>	1237
<i>Luca Doria</i>		
<b>Active Nuclear Spin Maser Oscillation with Double Cell</b>	<b>05005</b>	1241
<i>E. Hikota, M. Chikamori, Y. Ichikawa, Y. Ohtomo, Y. Sakamoto, T. Suzuki, C.P. Bidinosti, T. Inoue, T. Furukawa, A. Yoshimi, K. Suzuki, T. Nanao, H. Miyatake, M. Tsuchiya, N. Yoshida, H. Shirai, T. Ino, H. Ueno, Y. Matsuo, T. Fukuyama, K. Asahi</i>		
<b>Development of Narrowband Lasers for Spectroscopy of Antiprotonic Atoms</b>	<b>05006</b>	1245
<i>M. Hori, A. Sótér, A. Dax</i>		
<b>Search for Electric Dipole Moment in <sup>129</sup>Xe Atom Using Active Nuclear Spin Maser</b>	<b>05007</b>	1249
<i>Y. Ichikawa, M. Chikamori, Y. Ohtomo, E. Hikota, Y. Sakamoto, T. Suzuki, C.P. Bidinosti, T. Inoue, T. Furukawa, A. Yoshimi, K. Suzuki, T. Nanao, H. Miyatake, M. Tsuchiya, N. Yoshida, H. Shirai, T. Ino, H. Ueno, Y. Matsuo, T. Fukuyama, K. Asahi</i>		
<b>Development of the Measurement System for the Search of an Electric Dipole Moment of the Electron with Laser-Cooled Francium Atoms</b>	<b>05008</b>	1253
<i>T. Inoue, S. Ando, T. Aoki, H. Arikawa, S. Ezure, K. Harada, T. Hayamizu, T. Ishikawa, M. Itoh, K. Kato, T. Kato, H. Kawamura, H.S. Nataraj, T. Sato, A. Uchiyama, T. Aoki, T. Furukawa, A. Hatakeyama, K. Hatanaka, K. Imai, T. Murakami, Y. Shimizu, T. Wakasa, H.P. Yoshida, Y. Sakemi</i>		
<b>Search for a Permanent EDM Using Laser Cooled Radioactive Atom</b>	<b>05009</b>	1257
<i>Hirokazu Kawamura, S. Ando, T. Aoki, H. Arikawa, S. Ezure, K. Harada, T. Hayamizu, T. Inoue, T. Ishikawa, M. Itoh, K. Kato, T. Kato, H. S. Nataraj, T. Sato, A. Uchiyama, T. Aoki, T. Furukawa, A. Hatakeyama, K. Hatanaka, K. Imai, T. Murakami, Y. Shimizu, T. Wakasa, H. P. Yoshida, Y. Sakemi</i>		
<b>Near-infrared Laser Spectroscopy of Antiprotonic Helium Atoms</b>	<b>05010</b>	1261
<i>T. Kobayashi, D. Barna, R. S. Hayano, Y. Murakami, K. Todoroki, H. Yamada, A. Dax, L. Venturelli, N. Zurlo, D. Horváth, H. Aghai-Khozani, A. Soter, M. Hori</i>		

<b>A Novel Approach to Measure the Electric Dipole Moment of the Isotope <math>^{129}\text{Xe}</math></b>	<b>05011</b>	1265
F. Kucher, P. Fierlinger, D. Wurm		
<b>High-Precision Half-life Measurements for the Superallowed <math>\beta^+</math> Emitter <math>^{14}\text{O}</math></b>	<b>05012</b>	1269
A. T. Laffoley, C. E. Svensson, C. Andreoiu, R. A. E. Austin, G. C. Ball, B. Blank, H. Bouzomita, D. S. Cross, A. Diaz Varela, R. Dunlop, P. Finlay, A. B. Garnsworthy, P. E. Garrett, J. Giovinazzo, G. F. Grinyer, G. Hackman, B. Hadinia, D. S. Jamieson, S. Ketelhut, K. G. Leach, J. R. Leslie, E. R. Tardiff, J. C. Thomas, C. Unsworth		
<b>High-precision Half-life and Branching-ratio Measurements for Superallowed Fermi <math>\beta^+</math> Emitters at TRIUMF – ISAC</b>	<b>05013</b>	1273
A. T. Laffoley, R. Dunlop, P. Finlay, G. F. Grinyer, C. Andreoiu, R. A. E. Austin, G. C. Ball, D. Bandyopadhyay, B. Blank, H. Bouzomita, S. Chagnon-Lessard, A. Chester, D. S. Cross, G. Demand, A. Diaz Varela, M. Djongolov, S. Ettenauer, A. B. Garnsworthy, P. E. Garrett, J. Giovinazzo, J. Glister, K. L. Green, G. Hacknan, B. Hadinia, D. S. Jamieson, S. Ketelhut, K. G. Leach, J. R. Leslie, C. J. Pearson, A. A. Phillips, E. T. Rand, K. Starosta, C. S. Sumithrarachchi, C. E. Svensson, E. R. Tardiff, J. C. Thomas, I. S. Towner, S. Triambak, C. Unsworth, S. J. Williams, J. Wong, S. W. Yates, E. F. Zganjar		
<b>Parity and Time-reversal Violation in <math>A=2-4</math> Nuclei</b>	<b>05014</b>	1279
R. Lazauskas, Y.H. Song, V. Gudkov		
<b>Antihydrogen Formation Mechanisms</b>	<b>05015</b>	1287
E. Lodi-Rizzini, M. Charlton, R.S. Hayano, A. Rotondi, L. Venturelli, N. Zurlo		
<b>New Precision Era of Experiments on Strong Interaction with Strangeness at DAFNE/INFN-INFN</b>	<b>05016</b>	1291
T. Ishiwari, M. Bazzi, G. Beer, C. Berucci, L. Bombelli, A.M. Bragadireanu, M. Cargnelli, C. Curceanu, A. d'Uffizi, C. Fiorini, F. Ghio, C. Guaraldo, R.S. Hayano, M. Iliescu, M. Iwasaki, P. Kienle, P. Levi Sandri, A. Longoni, J. Marton, S. Okada, D. Pietreanu, T. Ponta, R. Quaglia, A. Romero Vidal, E. Sbardella, A. Scordo, H. Shi, D.L. Sirghi, F. Sirghi, H. Tatsuno, A. Tudorache, V. Tudorache, O. Vazquez Doce, B. Wünschek, E. Widmann, J. Zmeskal		
<b>T-Violation Experiment at TRIUMF-ISAC using Polarized <math>^8\text{Li}</math></b>	<b>05017</b>	1295
J. Murata, H. Baba, J.A. Behr, T. Iguri, M. Ikeda, H. Kawamura, R. Kishi, C.D.P. Levy, Y. Nakaya, R. Narikawa, N. Ninomiya, J. Onishi, R. Openshaw, M. Pearson, E. Seitaibashi, S. Saiba, S. Tanaka, R. Tanuma, Y. Totsuka, T. Toyoda		
<b>Final Results of <math>\mu p</math> Capture Rate AS and Pseudoscalar Coupling <math>g_p</math></b>	<b>05018</b>	1299
Claude Petitjean		
<b>Development of Francium Atomic Beam for the Search of the Electron Electric Dipole Moment</b>	<b>05019</b>	1303
Tomoya Sato, S. Ando, T. Aoki, H. Arikawa, S. Ezure, K. Harada, T. Hayamizu, T. Inoue, T. Ishikawa, M. Itoh, K. Kato, T. Kato, H. Kawamura, H. S. Nataraj, A. Uchiyama, T. Aoki, T. Furukawa, A. Hatakeyama, K. Hatanaka, K. Imai, T. Murakami, Y. Shimizu, T. Wakasa, H. P. Yoshida, Y. Sakemi		
<b>Antiproton-to-electron Mass Ratio Determined by Two-photon Laser Spectroscopy of Antiprotonic Helium Atoms</b>	<b>05020</b>	1307
A. Sótér, M. Hori, D. Barna, R. Hayano, A. Dax, S. Friedrich, B. Juhász, T. Pask, E. Widmann, D. Horváth, L. Venturelli, N. Zurlo		
<b>Search of Non-standard Strong Gravity at Nuclear Scale Using Electron Spin Geodetic Precession</b>	<b>05021</b>	1311
Saki Tanaka, Yusuke Nakaya, Reiya Narikawa, Kazufumi Ninomiya, Junichi Onishi, Matthew Pearson, Robert Openshaw, Shuntaro Saiba, Ryosuke Tanuma, Yumi Totsuka, Jiro Murata		
<b>Testing Lorentz Invariance in <math>\beta</math> Decay - Using Polarized Sodium Atoms</b>	<b>05022</b>	1315
A. Sytma		
<b>Shell Model Estimate of Electric Dipole Moments in Medium and Heavy Nuclei</b>	<b>05023</b>	1319
E. Teruya, N. Yoshinaga, K. Higashiyama		

## VOLUME 3

<b>Investigations of the Charge Symmetry Breaking Reaction <math>dd \rightarrow \alpha\pi^0</math> with the WASA-at-COSY Experiment</b>	<b>05024</b>	1323
M. Zurek		
<b>The Nucleon Mass and Pion-nucleon Sigma Term from a Chiral Analysis of <math>N_f = 2</math> Lattice QCD World Data</b>	<b>06001</b>	1327
L. Alvarez-Ruso, T. Ledwig, J. Martin Camalich, M. J. Vicente Vacas		
<b>Two-photon Exchange Contribution in Elastic Electron-proton Scattering, Experiment at the VEPP-3 Storage Ring</b>	<b>06002</b>	1331
D.M. Nikolenko, J. Arrington, L.M. Barkov, V.F. Dmitriev, V.V. Gauzshstein, R.A. Golovin, A.V. Gramolin, R.J. Holt, V.V. Kaminsky, B.A. Lazarenko, S.I. Mishnev, N.Yu. Muchnoi, V.V. Neufeld, I.A. Rachek, R.Sh. Sadykov, Yu.V. Shestakov, V.N. Stibunov, D.K. Toporkov, H. de Vries, S.A. Zevakov, V.N. Zhilich		
<b>Dalitz Plot Analysis for <math>\eta \rightarrow \pi^+\pi^-\pi^0</math> at KLOE</b>	<b>06003</b>	1335
L. Caldeira Balkeståhl		
<b>Chiral Structure of Baryon and Scalar Tetraquark Currents</b>	<b>06004</b>	1339
Hua-Xing Chen, V. Dmitrišinović, Atsushi Hosaka		
<b>First Measurement of the Helicity Dependence of <math>^3\text{He}</math> Photoreactions in the <math>\Delta(1232)</math> Resonance Region</b>	<b>06005</b>	1343
Susanna Costanza		
<b>Study of the Proton Structure by Measurements of Polarization Transfers in Real Compton Scattering at Jlab</b>	<b>06006</b>	1347
C. Fanelli, E. Cisbani, D. Hamilton, G. Salmè, B. Wojtsekhowski		
<b>Nonperturbative Charm Content of the Nucleon</b>	<b>06007</b>	1351
T. J. Hobbs, J. T. Londergan, W. Melnitchouk		
<b>Fragmentation Functions of Pions and Kaons in the Nonlocal Chiral Quark Model</b>	<b>06008</b>	1355
Chung Wen Kao, Dong Jing Yang, Fu Jun Jiang, Seng-il Nam		
<b>Probing Two-photon Exchange with OLYMPUS</b>	<b>06009</b>	1359
M. Kohl		

<b>Muon Elastic Scattering with MUSE at PSI</b>	<b>06010</b>	1363
<i>M. Kohl</i>		
<b>Exotic Hybrid Meson Spectroscopy with the GlueX Detector at JLab</b>	<b>06011</b>	1367
<i>David Lawrence</i>		
<b>Spin Density Matrix Elements in Exclusive Production of <math>\omega</math> Mesons at Hermes</b>	<b>06012</b>	1375
<i>B. Marianski, A. Terkulov</i>		
<b>Transverse Spin and Transverse Momentum Structure of the Nucleon from the COMPASS Experiment</b>	<b>06013</b>	1379
<i>Federica Sozzi</i>		
<b>The Effect of Vector Meson Decays on Dihadron Fragmentation Functions</b>	<b>06014</b>	1385
<i>Hrayr H. Matevosyan, Anthony W. Thomas, Wolfgang Bentz</i>		
<b>Studies of the Transverse Structure of the Nucleon at Jlab</b>	<b>06015</b>	1393
<i>Marco Mirazita</i>		
<b>Next to Leading Order Analysis of DVCS and TCS</b>	<b>06016</b>	1397
<i>J. Wagner, H. Moutarde, B. Pire, F. Sabatié, L. Szymanowski</i>		
<b>DVCS at HERMES</b>	<b>06017</b>	1401
<i>Erik Etzelmüller</i>		
<b>Strangeness Vector and Axial-Vector Form Factors of the Nucleon</b>	<b>06018</b>	1405
<i>Stephen Pate, Dennis Trujillo</i>		
<b>The Proton Form Factor Ratio Measurements at Jefferson Lab</b>	<b>06019</b>	1409
<i>Vina Punjabi, Charles F. Perdrisat</i>		
<b>Up- and Down-Quark Contributions to the Nucleon Form Factors</b>	<b>06020</b>	1413
<i>I. A. Qattan, J. Arrington</i>		
<b>Polarized Drell-Yan Studies at COMPASS</b>	<b>06021</b>	1417
<i>Catarina Quintans</i>		
<b>Short-range Correlations of Partons &amp; 3D Nucleon Structure</b>	<b>06022</b>	1421
<i>P. Schweitzer</i>		
<b>Low-lying Pseudoscalar and Vector Mesons and Their Dynamics - How to Describe Radiative Reactions with an Odd Number of Pions</b>	<b>06023</b>	1429
<i>Carla Terschlißen, Stefan Leupold, Bruno Strandberg</i>		
<b>Electromagnetic Proton Form Factors: Perspectives for PANDA</b>	<b>06024</b>	1433
<i>Egle Tomasi-Gustafsson, Alaa Dbeissi</i>		
<b><math>\beta</math>-decay Measurements of <math>^{12}\text{B}</math> with Gammasphere</b>	<b>07001</b>	1437
<i>M. Alcorta, H. O. U. Fynbo, M. Albers, S. Almaraz-Calderon, P. F. Bertone, P. F. F. Carnelli, M.P. Carpenter, C. J. Chiara, B. DiGiovine, C. J. P. Greene, M. Alcorta, H. O. U. Fynbo, M. Albers, S. Almaraz-Calderon, P. F. Bertone, P. F. F. Carnelli, M. P. Carpenter, C. J. Chiara, B. DiGiovine, J. P. Greene, C. R. Hoffman, R. V. F. Janssens, T. Lauritsen, K. L. Laursen, S. T. Marley, C. Nair, O. Nusair, K. E. Rehm, D. Seweryniak, C. Ugalde, S. Zhu</i>		
<b>Measurement of the <math>^{25}\text{Mg}(\alpha, n)^{28}\text{Si}</math> Reaction Cross Section at LNL</b>	<b>07002</b>	1441
<i>R. Depalo, A. Cacioli, T. Marchi, S. Appannababu, N. Blasi, C. Broggini, F. Camera, M. Cinausero, G. Collanuol, D. Fabris, F. Gramegna, V. L. Kravchuk, M. Leone, A. Lombardi, P. Mastinu, R. Menegazzo, G. Montagnoli, G. Prete, V. Rigato, C. Rossi Alvarez, O. Weiland</i>		
<b><math>^3\text{He}(\alpha, \gamma)^7\text{Be}</math> Cross Section Measured using Complementary Techniques</b>	<b>07003</b>	1445
<i>M. Carmona-Gallardo, A. Rojas, M.J.G. Borge, B. Davids, B.R. Fulton, M. Hass, B.S. Nara Singh, C. Ruiz, O. Tengblad</i>		
<b>First Test on the <math>^{22}\text{Ne}(p, \gamma)^{23}\text{Na}</math> Reaction at LUNA</b>	<b>07004</b>	1449
<i>Francesca Cavanna</i>		
<b>Constraints on the Equation of State of Cold Dense Matter from Nuclear Physics and Astrophysics</b>	<b>07005</b>	1453
<i>A. F. Fantina, N. Chamel, J. M. Pearson, S. Goriely</i>		
<b>Broad Resonances in Light Nuclei Studied with <math>\beta</math>- and <math>\gamma</math>-spectroscopy</b>	<b>07006</b>	1457
<i>H. O. U. Fynbo</i>		
<b>Studying Stars by Going Underground: The LUNA Experiment at Gran Sasso Laboratory</b>	<b>07007</b>	1465
<i>Alessandra Guglielmetti</i>		
<b>Application of the Trojan Horse Method to Study Neutron Induced Reactions: The <math>^{17}\text{O}(n, \alpha)^{14}\text{C}</math> Reaction</b>	<b>07008</b>	1471
<i>M. Gulino, C. Spitaleri, X.D. Tang, G.L. Guardo, L. Lamia, S. Cherubini, B. Bucher, V. Burjan, M. Couder, P. Davies, R. deBoer, X. Fang, V.Z. Goldberg, Z. Hons, V. Kroha, L. Lamm, M. La Cognata, C. Li, C. Ma, J. Mrazek, A.M. Mukhamedzhanov, M. Notani, S. O'Brien, R.G. Pizzone, G.G. Rapisarda, D. Roberson, M.L. Sergi, W. Tan, I.J. Thompson, M. Wiescher</i>		
<b>The <math>^2\text{H}(\alpha, \gamma)^6\text{Li}</math> Experiment at LUNA</b>	<b>07009</b>	1475
<i>Carlo Gustavino</i>		
<b>Measurement of the <math>^{13}\text{C}(\alpha, n)^{16}\text{O}</math> Reaction at Astrophysical Energies using the Trojan Horse Method. Focus on the -3 keV Sub-threshold Resonance</b>	<b>07010</b>	1481
<i>M. La Cognata, C. Spitaleri, O. Trippella, G.G. Kiss, G.V. Rogachev, A.M. Mukhamedzhanov, M. Avila, G.L. Guardo, E. Koshchiiy, A. Kuchera, L. Lamia, S. M. R. Puglia, S. Romano, D. Santiago, R. Sparta</i>		
<b>Electron Capture and Beta-Decay Rates for the Collapse of O+Ne+Mg Cores</b>	<b>07011</b>	1485
<i>Yi Hua Lam, Gabriel Martínez-Pinedo, Karlheinz Langanke, Samuel Jones, Raphael Hirschi, Remco G. T. Zegers, B. Alex Brown</i>		
<b>Lithium and Boron Burning S(E)-factor Measurements at Astrophysical Energies via the Trojan Horse Method</b>	<b>07012</b>	1489
<i>L. Lamia, C. Spitaleri, R. G. Pizzone, S. Cherubini, S. Degl'Innocenti, J. Grineviciute, M. Gulino, M. La Cognata, A. Mukhamedzhanov, S. Palmerini, L. Pappalardo, P. G. Prada Moroni, S. M. R. Puglia, G. G. Rapisarda, S. Romano, M. L. Sergi, E. Tognelli, A. Tumino</i>		
<b>Measurement of Astrophysically Important Excitation Energies of <math>^{58}\text{Zn}</math> with GRETINA</b>	<b>07013</b>	1493
<i>C. Langer, F. Montes, A. Aprahamian, D. W. Bardayan, D. Bazin, B.A. Brown, J. Browne, H. Crawford, R. Cyburt, C. Domingo-Pardo, A. Gade, S. George, P. Hosmer, L. Keek, A. Kontos, I-Y. Lee, A. Lemasson, E. Lunderberg, Y. Maeda, M. Matos, Z. Meisel, S. Noji, A. Nystrom, G. Perdikakis, J. Pereira, S. Quinn, F. Recchia, H. Schatz, M. Scott, K. Siegl, A. Simon, M. Smith, A. Spyrou, J. Stevens, R. Stroberg, D. Weisshaar, J. Wheeler, K. Wimmer, R.G.T. Zegers</i>		

<b>Low-energy Enhancement of Nuclear <math>\gamma</math> Strength and Its Impact on Astrophysical Reaction Rates</b>	<b>07014</b>	1497
A. C. Larsen, N. Blasi, A. Bracco, A. Bürger, F. Camera, T. K. Eriksen, F. Giacoppo, S. Goriely, M. Guttormsen, A. Görzen, T. W. Hagen, S. Harissopoulos, P. E. Koehler, S. Leoni, B. Million, H. T. Nyhus, T. Renström, S. Rose, I. E. Ruud, A. Schiller, S. Siem, T. Tornyi, G. M. Tveten, A. V. Voinov, M. Wiedeking		
<b>Nucleosynthesis from Neutrino-dominated Accretion Disks in Gamma-ray Bursts and Its Application</b>	<b>07015</b>	1501
Tong Liu, Li Xue, Wei-Min Gu, Ang Li, Ju-Fu Lu		
<b>The Nucleosynthesis of Heavy Elements in Stars: the Key Isotope <math>^{25}\text{Mg}</math></b>	<b>07016</b>	1505
C. Massimi, P. Koehler, S. Kopecky, F. Mignrone, P. Schillebeeckx, G. Vannini, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Bécaries, F. Bečvář, F. Belloni, E. Berthoumieux, J. Billowes, D. Bosnar, M. Brugger, M. Calviani, F. Calviño, D. Cano-Ott, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, N. Colonna, G. Cortés, M.A. Cortés-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. García, G. Giubrone, I.F. Gonçalves, E. González-Romero, E. Griesmayer, C. Guerrero, F. Gunning, A. Hernández-Prieto, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, M. Krticka, J. Kroll, C. Lampoudis, C. Langer, E. Leal-Cidoncha, C. Lederer, H. Leeb, L.S. Leong, R. Losito, A. Mallick, A. Manousos, J. Marganiec, T. Martínez, P.F. Mastinu, M. Mastromarco, E. Mendoza, A. Mengoni, P.M. Milazzo, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, A. Plompén, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarth, A. Riego, M.S. Robles, C. Rubbia, M. Sabaté-Gilarte, R. Sarmento, A. Saxena, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrio, L. Tassan-Got, A. Tsinganis, S. Valenta, V. Variale, P. Vaz, A. Ventura, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weib, T. Wright, P. Žugec		
<b>The <math>^6\text{Li}(^{22}\text{Ne}, ^{26}\text{Mg})\alpha</math>-transfer Experiment for the Study of Low-energy Resonances in <math>^{22}\text{Ne}(\alpha, \gamma)^{26}\text{Mg}</math></b>	<b>07017</b>	1509
Shuya Ota, Hiroyuki Makii, Tetsuro Ishii, Christopher Angell, Daniel W. Bardayan, Satoshi Chiba, Ichiro Nishinaka, Katsuhisa Nishio, Milan Matos, Shinichi Mitsuoka, Steven Pain		
<b>On the Conversion of Neutron Stars Into Quark Stars</b>	<b>07018</b>	1513
Giuseppe Pagliara		
<b>Pairing Properties of the Inner Crust of Neutron Stars at Finite Temperature</b>	<b>07019</b>	1517
Alessandro Pastore		
<b>Protoquark Stars: Stability Windows and Magnetic Field Effects</b>	<b>07020</b>	1521
Débora Peres Menezes, Verônica Dexheimer, James Rudinei Torres		
<b>Trojan Horse Particle Invariance for <math>^2\text{H}(\text{d},\text{p})^3\text{H}</math> Reaction: A Detailed Study</b>	<b>07021</b>	1525
R.G. Pizzone, C. Spitaleri, C.A. Bertulani, A.M. Mukhamedzhanov, L. Blokhintsev, M. La Cognata, L. Lamia, A. Rinollo, R. Spartà, A. Tunino		
<b>Current Quests in Nucleosynthesis: Present and Future Neutron-induced Reaction Measurements</b>	<b>07022</b>	1529
J. Praena, M. Pignatari, P.F. Mastinu, G. Martín-Hernández, G. Prete, J.M. Quesada, M. Sabaté-Gilarte		
<b>Relativistic EOS for Supernova Simulations</b>	<b>07023</b>	1537
H. Shen		
<b>Sensitivity Studies for R-process Nucleosynthesis in Three Astrophysical Scenarios</b>	<b>07024</b>	1541
R. Surman, M. Mumpower, J. Cass, I. Bentley, A. Aprahamian, G.C. McLaughlin		
<b>New Neutrino-nucleus Reaction Cross Sections at Solar, Reactor and Supernova Neutrino Energies</b>	<b>07025</b>	1549
Toshio Suzuki, Michio Honma, A.B. Balantekin, Toshitaka Kajino, Satoshi Chiba		
<b>New Nuclear Equation of State for Core-Collapse Supernovae with the Variational Method</b>	<b>07026</b>	1557
H. Togashi, S. Yamamoto, K. Nakazato, M. Takano, H. Suzuki, K. Sumiyoshi		
<b>Studies on Alpha-induced Astrophysical Reactions Using the Low-energy RI Beam Separator CRIB</b>	<b>07027</b>	1561
H. Yamaguchi, D. Kahl, T. Nakao, Y. Wakabayashi, S. Kubono, T. Hashimoto, S. Hayakawa, T. Kawabata, N. Iwasa, T. Teranishi, Y. K. Kwon, P. S. Lee, D. N. Binh, L. H. Khiem, N. G. Duy		
<b>Status and Results from the EXO Collaboration</b>	<b>08001</b>	1565
Joshua Albert		
<b>Precise Measurement of the Angular Correlation Parameter <math>a_{\beta\beta}</math> in the <math>\beta</math> Decay of <math>^{35}\text{Ar}</math> with LPCTrap</b>	<b>08002</b>	1573
X. Fabian, G. Ban, R. Boussaid, M. Breitenfeldt, C. Couratin, P. Delahaye, D. Durand, P. Finlay, X. Fléchard, B. Guillou, Y. Lemière, A. Leredde, E. Liénard, A. Méry, O. Naviliat-Cuncic, E. Pierre, T. Porobic, G. Quéméner, D. Rodríguez, N. Severijns, J.C. Thomas, S. Van Gorp		
<b>Novel Approaches to Calculate Nuclear Matrix Elements for Double Beta Decays</b>	<b>08003</b>	1577
Mihai Horoi		
<b>Neutrino-nucleus Interactions: from Nuclear Dynamics to Neutrino Oscillations</b>	<b>08004</b>	1581
M. Martini, M. Ericson, G. Chanfray		
<b>Search for Neutrinoless Double Beta Decay in <math>^{124}\text{Sn}</math></b>	<b>08005</b>	1585
Vandana Nanal		
<b>Properties of Neutrinoless Double Beta Decay Nuclear Matrix Elements Studied Along Isotopic Chains</b>	<b>08006</b>	1593
Tomás R. Rodríguez, Gabriel Martínez-Pinedo		
<b>Rare Weak Decays and Nuclear Structure</b>	<b>08007</b>	1597
Jouni Suhonen		
<b>CANDLES - Search for Neutrino-less Double Beta Decay of <math>^{48}\text{Ca}</math></b>	<b>08008</b>	1605
S. Umebara, T. Kishimoto, M. Nomachi, S. Ajimura, N. Nakatani, K. Matsuoka, K. Ichimura, M. Saka, T. Ishikawa, D. Tanaka, M. Tanaka, S. Yoshida, K. Suzuki, G. Ito, H. Kakubata, W. Wang, J. Takemoto, W. M. Chan, M. Doihara, Y. Tamagawa, I. Ogawa, T. Ueno, S. Maeda, A. Yamamoto, S. Tomita, G. Fujita, A. Kawamura, T. Harada, K. Fushimi, R. Hazama, H. Ohsumi, K. Okada		
<b>Experimental Results on Antiproton-Nuclei Annihilation Cross Section at Very Low Energies</b>	<b>09001</b>	1609
H. Aghai-Khozani, D. Barna, M. Corradini, R. Hayano, M. Hori, T. Kobayashi, M. Leali, E. Lodi-Rizzini, V. Mascagna, M. Prest, A. Soter, K. Todoroki, E. Vallazza, L. Venturelli, N. Zurlo		
<b>Study of the <math>\Lambda(1116)</math> Interaction in Cold Nuclear Matter</b>	<b>09002</b>	1613
Oliver Arnold		
<b>Neutron-rich <math>\Lambda</math>-Hypernuclei Study with the FINUDA Experiment</b>	<b>09003</b>	1617
E. Botta		

<b>Unveiling the Strangeness Secrets: Low-energy Kaon-nucleon/nuclei Interactions Studies at DAΦNE</b>	<b>09004</b>	1625
C. Curceanu, M. Bazzi, G. Beer, C. Berucci, D. Bosnar, A.M. Bragadireanu, M. Cargnelli, A. Clozza, A. D'Uffizi, L. Fabbietti, C. Fiorini, F. Ghio, C. Guaraldo, R.S. Hayano, M. Iliescu, T. Ishiwatari, M. Iwasaki, P. Levi Sandri, J. Marton, S. Okada, D. Pietreanu, K. Piscicchia, M. Poli Lener, T. Ponta, R. Quaglia, A. Romero Vidal, E. Sbardella, A. Scordo, H. Shi, D.L. Sirghi, F. Sirghi, H. Tatsuno, I. Tucakov, O. Vazquez Doce, E. Widmann, J. Zmeskal		
<b>New Approach to Investigation of Nuclei</b>	<b>09005</b>	1633
E. G. Drukarev, M. G. Ryskin, V. A. Sadovnikova		
<b>Spectroscopy of <math>\eta'</math> Mesic Nuclei via Semi-Exclusive Measurement at FAIR</b>	<b>09006</b>	1637
Hiroyuki Fujioka, Kai-Thomas Brinkmann, Stefan Friedrich, Hans Geissel, Ryugo S. Hayano, Satoru Hirenzaki, Kenta Itahashi, Satoshi Itoh, Daisuke Jido, Volker Metag, Hideko Nagahiro, Mariana Nova, Takahiro Nishi, Kota Okochi, Haruhiko Outa, Ken Suzuki, Takatoshi Suzuki, Yoshiki K. Tanaka, Yuni N. Watanabe, Helmut Weick		
<b>Nuclear Matter and <math>v</math> Properties from <math>\pi</math> Induced Reactions and Decays</b>	<b>09007</b>	1641
I. Gnesi		
<b>A Search for the <math>K^{*0}</math> Bound State in the <math>{}^3\text{He}(\text{K}_{\text{in-flight}}, \text{n})</math> Reaction at J-PARC</b>	<b>09008</b>	1645
T. Hashimoto, S. Ajimura, G. Beer, H. Bhang, M. Bragadireanu, P. Buehler, L. Busso, M. Cargnelli, S. Choi, C. Curceanu, S. Enomoto, D. Faso, H. Fujioka, Y. Fujiwara, T. Fukuda, C. Guaraldo, R. S. Hayano, T. Hiraiwa, M. Ito, M. Iliescu, K. Inoue, Y. Ishiguro, T. Ishikawa, S. Ishimoto, T. Ishiwatari, K. Itahashi, M. Iwai, M. Iwasaki, Y. Kato, S. Kawasaki, P. Kienle, H. Kou, Y. Ma, J. Marton, Y. Matsuda, Y. Mizoi, O. Morra, T. Nagae, H. Noumi, H. Ohnishi, S. Okada, H. Outa, K. Piscicchia, M. Poli Lener, A. Romero Vidal, Y. Sada, A. Sakaguchi, F. Sakuma, M. Sato, A. Scordo, M. Sekimoto, H. Shi, D. Sirghi, F. Sirghi, K. Suzuki, S. Suzuki, T. Suzuki, K. Tanida, H. Tatsuno, M. Tokuda, D. Tomono, A. Toyoda, K. Tsukada, O. Vazquez Doce, E. Widmann, B. K. Wuensche, T. Yamaga, T. Yamazaki, H. Yim, Q. Zhang, J. Zmeskal		
<b>Search for the <math>\eta</math>-mesic <math>{}^4\text{He}</math> with WASA-at-COSY</b>	<b>09009</b>	1649
W. Krzemien, P. Moskal, J. Smyrski, M. Skurzok		
<b>Shape Evolution of Ne Isotopes and Ne Hypernuclei: The Interplay of Pairing and Tensor Interactions</b>	<b>09010</b>	1653
A. Li, E. Hiyama, X.-R. Zhou, H. Sagawa		
<b>Low Mass Dielectrons Radiated Off Cold Nuclear Matter Measured with HADES</b>	<b>09011</b>	1657
M. Lorenz, G. Agakishiev, C. Behnke, D. Belver, A. Belyaev, J.C. Berger-Chen, A. Blanco, C. Blume, M. Böhmer, P. Cabanelas, S. Chernenko, C. Dritsa, A. Dybczak, E. Epple, L. Fabbietti, O. Fateev, P. Fonte, J. Friese, I. Fröhlich, T. Galatyuk, J. A. Garzón, K. Gill, M. Golubeva, D. González-Díaz, F. Guber, M. Gumberidze, S. Harabasz, T. Hennino, C. Höhne, R. Holzmann, P. Huck, A. Ierusalimov, A. Ivashkin, M. Jurkovic, B. Kämpfer, T. Karavicheva, I. Koenig, B. W. Kolb, G. Korcyl, G. Kornakov, R. Kotte, A. Kráša, E. Krebs, F. Krizek, H. Kuc, A. Kugler, A. Kurepin, A. Kurilkina, P. Kurilkina, V. Ladigin, R. Lalik, S. Lang, K. Lapidus, A. Lebedev, L. Lopes, L. Maier, A. Mangiarotti, J. Markert, V. Metag, J. Michel, C. Müntz, R. Müntzer, L. Naumann, M. Palka, Y. Parpottas, V. Pechenov, O. Pechenova, J. Pietraszko, W. Przygoda, B. Ramstein, L. Rehnisch, A. Reshetin, A. Rustamov, A. Sadovsky, P. Salabura, T. Scheib, H. Schuldes, J. Siebenson, Yu.G. Sobolev, S. Spataro, H. Ströbele, J. Stroth, P. Strzempek, C. Sturm, O. Svoboda, A. Tarantola, K. Teilab, P. Thusty, M. Traxler, H. Tsertos, T. Vasiliev, V. Wagner, M. Weber, C. Wendisch, J. Wüstenfeld, S. Yurevich, Y. Zanevsky		
<b>Calculations of K-nuclear Quasi-bound States Using Chiral KN Amplitudes</b>	<b>09012</b>	1661
J. Mareš, N. Barnea, A. Cieplý, E. Friedman, A. Gal, D. Gazda		
<b>Microscopic Investigation of the Structure Characteristics and Wave Functions of the Five-body Hypernucleus <math>\text{He}_5^5</math></b>	<b>09013</b>	1665
Lia Leon Margolin		
<b>The First Precision Measurement of Deeply Bound Pionic States in <math>{}^{121}\text{Sn}</math></b>	<b>09014</b>	1669
Takahiro Nishi, Georg P. A. Berg, Masanori Dozono, Hiroyuki Fujioka, Naoki Fukuda, Tatsuya Furuno, Hans Geissel, Ryugo S. Hayano, Naoto Inabe, Kenta Itahashi, Satoshi Itoh, Daisuke Kameda, Toshiyuki Kubo, Hiroaki Matsubara, Shin'ichiro Michimasa, Kenjiro Miki, Hiroyuki Miya, Yohei Murakami, Masaki Nakamura, Noritsugu Nakatsuka, Shunpei Noji, Kota Okochi, Shinsuke Ota, Hiroshi Suzuki, Ken Suzuki, Motonobu Takaki, Hiroyuki Takeda, Yoshiki K. Tanaka, Koichi Todoroki, Kyo Tsukada, Tomohiro Uesaka, Yuni N. Watanabe, Helmut Weick, Hiroyuki Yamada, Koichi Yoshida		
<b>Search for H-dibaryon at J-PARC with a Large Acceptance TPC</b>	<b>09015</b>	1673
H. Sako, J. K. Ahn, K. Y. Baek, B. Bassalleck, H. Fujioka, L. Guo, S. Hasegawa, K. Hicks, R. Honda, S. H. Hwang, Y. Ichikawa, M. Ieiri, K. Imai, S. H. Kim, R. Kiuchi, H. S. Lee, K. Nakazawa, M. Naruki, A. Ni, M. Niizuma, K. Ozawa, J. Y. Park, S. H. Park, S. Y. Ryu, S. Sato, K. Shiratori, H. Sugimura, M. Sumihara, K. Tanida, H. Takahashi, T. Takahashi		
<b>The Yield of Kaonic Hydrogen X-rays in the SIDDHARTA Experiment</b>	<b>09016</b>	1677
H. Shi, M. Bazzi, G. Beer, C. Berucci, A.M. Bragadireanu, M. Cargnelli, C. Curceanu, A. D'Uffizi, C. Fiorini, F. Ghio, C. Guaraldo, R.S. Hayano, M. Iliescu, T. Ishiwatari, M. Iwasaki, P. Kienle, P. Levi Sandri, J. Marton, S. Okada, D. Pietreanu, K. Piscicchia, T. Ponta, R. Quaglia, A. Romero Vidal, E. Sbardella, A. Scordo, D.L. Sirghi, F. Sirghi, H. Tatsuno, O. Vazquez Doce, E. Widmann, J. Zmeskal		
<b>Study on <math>{}^6\text{H}</math> Hypernucleus by the <math>(\pi^-, K^+)</math> Reaction at J-PARC</b>	<b>09017</b>	1681
H. Sugimura, M. Agnello, J.K. Ahn, S. Ajimura, Y. Akazawa, N. Amano, K. Aoki, H.C. Bhang, M. Endo, P. Evtonikhovitch, A. Feliciello, H. Fujioka, T. Fukuda, S. Hasegawa, S. Hayakawa, R. Honda, K. Hosomi, S.H. Hwang, Y. Ichikawa, Y. Igarashi, K. Imai, N. Ishibashi, R. Iwasaki, C.W. Joo, R. Kiuchi, J.K. Lee, J.Y. Lee, K. Matsuda, Y. Matsumoto, K. Matsuoka, K. Miwa, Y. Mizoi, M. Moritsu, T. Nagae, S. Nagamiya, M. Nakagawa, M. Naruki, H. Noumi, R. Ota, B.J Roy, P.K Saha, A. Sakaguchi, H. Sako, C. Samanta, V. Samoilov, Y. Sasaki, S. Sato, M. Sekimoto, Y. Shimizu, T. Shiozaki, K. Shiratori, T. Soyama, T. Takahashi, T.N. Takahashi, H. Tamura, K. Tanabe, T. Tanaka, K. Tanida, A.O Tokiyasu, Z. Tsamalaidze, M. Ukai, T.O. Yamamoto, Y. Yamamoto, S.B. Yang, K. Yoshida		
<b>Formation of Strange Dibaryonic Resonance X(2265) in <math>p + p \rightarrow K^+ + X</math> reaction at <math>T_p = 2.5</math> and <math>2.85</math> GeV</b>	<b>09018</b>	1685
Ken Suzuki, Paul Kienle, Marco Maggiora, Toshimitsu Yamazaki		
<b>Missing Mass Spectroscopy of <math>\eta'</math> Mesic Nuclei with the (p,d) Reaction at GSI</b>	<b>09019</b>	1693
Yoshiki K. Tanaka, Kai-Thomas Brinkmann, Stefan Friedrich, Hiroyuki Fujioka, Hans Geissel, Ryugo S. Hayano, Satoru Hirenzaki, Kenta Itahashi, Satoshi Itoh, Daisuke Jido, Volker Metag, Hideko Nagahiro, Mariana Nova, Takahiro Nishi, Kota Okochi, Haruhiko Outa, Ken Suzuki, Takatoshi Suzuki, Yuni N. Watanabe, Helmut Weick		
<b>Beam Diagnostics for Measurements of Antiproton Annihilation Cross Sections at Ultra-low Energy</b>	<b>09020</b>	1697
K. Todoroki, M. Hori, H. Aghai-Khozani, D. Barna, M. Corradini, T. Kobayashi, M. Leali, E. Lodi-Rizzini, V. Mascagna, M. Prest, A. Soter, E. Vallazza, L. Venturelli, N. Zurlo, R. Hayano		
<b>Six-body Calculations for Hyperhydrogen <math>{}^6\text{H}</math></b>	<b>09021</b>	1701
Shalva Tsiklauri, Lia Margolin		

<b>Measurements of Neutron Cross Sections for Advanced Nuclear Energy Systems at n_TOF (CERN)</b>	<b>10001</b>	1705
M. Barbagallo, N. Colonna, S. Altstadt, J. Andzejewski, L. Audouin, V. Bécares, F. Becvár, F. Belloni, E. Berthoumieux, J. Billowes, D. Bosnar, M. Brugger, M. Calviani, F. Calviño, D. Cano-Ott, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, G. Cortés, M.A. Cortés-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. García, G. Giubrone, I.F. Gonçalves, E. González-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, A. Hernández-Prieto, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Krticka, J. Kroll, C. Lampoudis, C. Langer, E. Leal-Cidoncha, C. Lederer, H. Leeb, L.S. Leong, R. Losito, A. Manousos, J. Marganiec, T. Martínez, C. Massimi, P.F. Mastinu, M. Mastromarco, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, A. Plompens, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarthe, A. Riego, C. Rubbia, M. Sabaté-Gilarte, R. Sarmento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weib, T. Wright, P. Žugec		
<b>Monte Carlo Estimation of Radiation Dose in Organs of Female and Male Adult Phantoms Due to FDG-F18 Absorbed in the Lungs</b>	<b>10002</b>	1709
Walmir Belinato, William S. Santos, Rogério M. V. Silva, Divanízia N. Souza		
<b>The Radiopharmaceuticals Production and Research Centre established by the Heavy Ion Laboratory of the University of Warsaw</b>	<b>10003</b>	1713
J. Choinski, J. Jastrzebska, K. Kilian, I. Mazur, P.J. Napiorkowski, A. Pekal, D. Szczepaniak		
<b>Fragmentation Cross Sections at Intermediate Energies for Hadrontherapy and Space Radiation Protection</b>	<b>10004</b>	1717
M. De Napoli, C. Agodi, M. Bondi, F. Cappuzzello, D. Carbone, M. Cavallaro, G.A.P. Cirrone, G. Cuttone, D. Nicolosi, L. Pandola, G. Raciti, F. Romano, D. Sardina, V. Scuderi, S. Tropea		
<b>A Prototype Scintillating-Fibre Tracker for the Cosmic-ray Muon Tomography of Legacy Nuclear Waste Containers</b>	<b>10005</b>	1721
R. Kaiser, A. Clarkson, D. J. Hamilton, M. Hoek, D. G. Ireland, J. R. Johnston, T. Keri, S. Lumsden, D. F. Mahon, B. McKinnon, M. Murray, S. Nubeam-Tuffs, C. Shearer, C. Staines, G. Yang, C. Zimmerman		
<b>CHIPS_TPT Models for Exclusive Geant4 Simulation of Neutron-Nuclear Reactions at Low Energies</b>	<b>10006</b>	1725
Mikhail V. Kosov, Ilya V. Kudinov, Dmitry I. Savin		
<b><sup>99</sup>Mo Production via <sup>100</sup>Mo(n,2n)<sup>99</sup>Mo using Accelerator Neutrons</b>	<b>10007</b>	1729
Yasuki Nagai		
<b>Fukushima Nuclear Power Plant Accident and Nuclear Physicists</b>	<b>10008</b>	1733
Takaharu Otsuka		
<b>Determination and Theoretical Analysis of the Differential Cross Sections of the <sup>2</sup>H(d,p) Reaction at Energies and Detection Angles Suitable for NRA (Nuclear Reaction Analysis)</b>	<b>10009</b>	1743
V. Paneta, M. Axiotis, P. Gastis, M. Kokkoris, A. Kontos, A. Lagoyannis, M. Mayer, P. Misaelides, G. Perdikakis, R. Vlastou		
<b>Coincidence Resolution Time of Two Small Scintillators Coupled to High Quantum-efficiency Photomultipliers in a PET-like System</b>	<b>10010</b>	1747
G. Galetta, R. De Leo, F. Garibaldi, M. Grodzicka, L. Lagamba, F. Loddo, G. Masiello, E. Nappi, R. Perrino, A. Ranieri, T. Szczęśniak		
<b>Nuclear-physics Applications of MYRRHA</b>	<b>10011</b>	1751
Lucia Popescu		
<b>Proficiency Test: A Quality Assurance Method for High-purity Gamma Spectrometry System</b>	<b>10012</b>	1759
Ileana Radulescu, Marian Romeo Calin		
<b>Simulation Toolkit with CMOS Detector in the Framework of Hadrontherapy</b>	<b>10013</b>	1763
R. Rescigno, Ch. Finek, D. Juliani, J. Baudot, D. Dauvergne, G. Dedes, J. Krimmer, C. Ray, V. Reithinger, M. Rousseau, E. Testa, M. Winter		
<b>Nondestructive Measurement of Environmental Radioactive Strontium</b>	<b>10014</b>	1767
Shuntaro Saiba, Tomohiro Okamiya, Saki Tanaka, Ryosuke Tanuma, Yumi Totsuka, Jiro Murata		
<b>Complete Determination of Neutron Yield from 62 MeV Protons on <sup>9</sup>Be for the Design of a Low – Power ADS</b>	<b>10015</b>	1771
Maria Schillaci, Mikhail Osipenko, Marco Ripani, Rosa Alba, Giovanni Ricco, Massimo Barbagallo, Andrea Celentano, Pasquale Boccaccio, Luigi Cosentino, Antonio Del Zoppo, Alessia Di Pietro, Juan Esposito, Paolo Finocchiaro, Alexander Kostyukov, Concettina Maiolini, Domenico Santonocito, Carlo Maria Viberti		
<b>Adaptation and Security Validation of an Irradiator Suitable for Use of Cesium-137 Sources</b>	<b>10016</b>	1775
Rogério M.V. Silva, Walmir Belinato, William S. Santos, Danilo O. Junot, Luiza F. Souza, Divanízia N. Souza		
<b>Annihilation Radiation Gauge for Relative Density and Multiphase Fluid Monitoring</b>	<b>10017</b>	1779
A. Vidal, G. Viesti, F. Pino, H. Barros, L. Sajo-Bohus		
<b>Event Based Neutron Activation Spectroscopy and Analysis Algorithm Using MLE and Metaheuristics</b>	<b>10018</b>	1783
Barton Wallace		
<b>Results of Fission Products β Decay Properties Measurement Performed with a Total Absorption Spectrometer</b>	<b>10019</b>	1787
A.-A. Zakari-Issoufou, A. Porta, M. Fallot, A. Algora, J.L Tain, E. Valencia, S. Rice, J. Agramunt, J. Äystö, M. Bowry, V.M Bui, R. Caballero-Folch, D. Cano-Ott, V. Eloma, E. Estévez, G.F. Farrelly, A. Garcia, W. Gelletly, M.B Gomez-Hornillos, V. Gorlychev, J. Hakala, A. Jokinen, M.D Jordan, A. Kankainen, F.G Kondev, T. Martinez, E. Mendoza, F. Molina, I. Moore, A. Perez, Zs. Podolyak, H. Penttilä, P.H. Regan, J. Rissanen, B. Rubio, C. Weber		
<b>The FARCOS Project. First Characterization of CsI(Tl) Crystals of the FARCOS Array using Charged Particle Beams at LNS</b>	<b>11001</b>	1791
L. Quattrochi, L. Acosta, E. De Filippo, T. Minniti, E. V. Pagano, P. Russotto, A. Trifirò, G. Verde, F. Amorini, A. Anzalone, L. Auditore, C. Boiano, G. Cardella, A. Castoldi, L. Francalanza, R. Giani, C. Guazzoni, G. Lanzalone, I. Lombardo, E. Morgana, S. Norella, A. Pagano, M. Papa, S. Pirrone, G. Politi, F. Riccio, F. Rizzo, M. Trimarchi, P. Zambon		
<b>PIPERADE: A Penning-trap Isobar Separator for the DESIR Low-energy Facility of SPIRAL2</b>	<b>11002</b>	1795
P. Ascher, B. Blank, K. Blaum, P. Dupré, M. Gerbau, S. Grévy, H. Guérin, M. Heck, D. Lunney, S. Naimi, A. de Roubin		

<b>ALPI Setup as the SPES Accelerator of Exotic Beams</b>	<b>11003</b>	1799
<i>G. Bisoffi, G. Bassato, A. Battistella, J. Bermudez, D. Bortolato, S. Canella, B. Chalykh, M. Comurian, A. Facco, E. Fagotti, A. Galata, M. Giachini, F. Gramegna, T. Lamy, P. Modanese, A. Palmieri, R. Pengo, A. Pisent, M. Poggi, A. Porcellato, C. Roncolato, D. Scarpa</i>		
<b>AGATA Modules As Compton Polarimeters for the Measurement of Gamma-ray Linear Polarisation</b>	<b>11004</b>	1803
<i>B. Melon, P. G. Bizzeti, P. Sona, C. Michelagnoli, D. Bazzacco, E. Farnea, A. M. Bizzeti-Sona, G. de Angelis, A. Gadea, A. Gottardo, S. Lunardi, S. M. Lenzi, R. Menegazzo, D. Mengoni, A. Nannini, D. R. Napoli, A. Perego, F. Recchia, E. Sahin, J. J. Valiente-Dobon, C. A. Ur</i>		
<b>ISOLDE Highlights and the HIE-ISOLDE Project</b>	<b>11005</b>	1807
<i>Maria José G. Borge</i>		
<b>The European FAZIA Initiative: A high-performance Digital Telescope Array for Heavy-Ion Studies</b>	<b>11006</b>	1815
<i>G. Casini, S. Barlini, G. Pasquali, G. Pastore, M. Bini, S. Carboni, A. Olmi, S. Piantelli, G. Poggi, A. Stefanini, S. Valdré, E. Bonnet, B. Borderie, R. Bougaout, M. Bruno, A. Chbihi, M. Cinausero, M. Degerlier, P. Edelbruck, J.D. Frankland, F. Gramegna, D. Gruyer, M. Guerzoni, A. Kordjasz, T. Kožík, N. Le Neindre, O. Lopez, T. Marchi, P. Marini, L. Morelli, A. Ordine, M. Pârlog, M.F. Rivet, E. Rosato, F. Salomon, G. Spadaccini, T. Twaróg, E. Vient, M. Vigilante</i>		
<b>Tracking with Straw Tubes in the PANDA Experiment</b>	<b>11007</b>	1823
<i>M. Bragadireanu, D. Pietreanu, M.E. Vasile, M. Idzik, D. Przyborowski, P. Kulessa, K. Pysz, J. Biernat, S. Jowzaee, G. Korcyl, M. Palka, P. Salabura, J. Smyrski, D. Bettoni, E. Fioravanti, I. Garzia, M. Savriè, P. Gianotti, V. Lucherini, E. Pace, M. Mertens, H. Ohm, S. Orfanitski, J. Ritman, V. Serdyuk, P. Wintz, S. Dobbs, A. Tomaradze, G.L. Boca, S. Costanza, P. Genova, L. Lavezzi, P. Montagna, A. Rotondi, S. Spataro</i>		
<b>Characterization of Large Volume 3.5" x 8" LaBr<sub>3</sub>:Ce Detectors for the HECTOR<sup>+</sup> Array</b>	<b>11008</b>	1827
<i>F. Camera, A. Giaz, L. Pellegrini, S. Riboldi, N. Blasi, C. Boiano, A. Bracco, S. Brambilla, S. Ceruti, S. Coelli, F. C. L. Crespi, M. Csatlos, A. Krasznahorkay, J. Gulyas, S. Lodetti, S. Frega, A. Miani, B. Million, L. Stuhl, O. Wieland</i>		
<b>Research and Development on Materials for the SPES Target</b>	<b>11009</b>	1831
<i>Stefano Corradietti, Alberto Andriguetto, Mattia Manzolaro, Daniele Scarpa, Jesus Vasquez, Massimo Rossignoli, Alberto Monetti, Michele Calderolla, Gianfranco Prete</i>		
<b>Three New Renal Simulators for Use in Nuclear Medicine</b>	<b>11010</b>	1835
<i>Marcos Dullius, Mateus Fonseca, Marcelo Botelho, Clédison Cunha, Divanizá Souza</i>		
<b>Kaon Tagging at 0° Scattering Angle for High-Resolution Decay-Pion Spectroscopy</b>	<b>11011</b>	1839
<i>Anselm Eser, Patrick Achenbach, Naoki Arai, Carlos Ayerbe Gayoso, Ralph Böhm, Olga Borodina, Damir Bosnar, Vakkas Bozkurt, Luka Debenjak, Michael O. Distler, Ivica Frčić, Yuu Fujii, Toshiyuki Gogami, Mar Gómez Rodríguez, Osamu Hashimoto, Satoshi Hirose, Hiroki Kanda, Masashi Kaneta, Eunhee Kim, Junichiro Kusaka, Kazushige Maeda, Amur Margaryan, Harald Merkel, Ulrich Müller, Sho Nagao, Satoshi N. Nakamura, Josef Pochodzalla, Christophe Rappold, Joerg Reinhold, Takehiko R. Saito, Alicia Sanchez Lorente, Salvador Sánchez Majos, Björn Sören Schlimme, Matthias Schoth, Florian Schulz, Concettina Sfienti, Simon Sirca, Liguang Tang, Michaela Thiel, Kyo Tsukada</i>		
<b>The AGATA Commissioning Campaign at LNL</b>	<b>11012</b>	1845
<i>D. Mengoni</i>		
<b>Characterization of a Highly-segmented Silicon Prototype for the TRACE Array</b>	<b>11013</b>	1855
<i>M. Gelain, D. Mengoni, S. Lunardi, J. Dueñas, M. Assie</i>		
<b>Highly Sensitive Bolometers for Rare Alpha Decay Studies</b>	<b>11014</b>	1859
<i>L. Gironi</i>		
<b>Study of DSSSD Detecto Response in the Inter-strip Region Using a Proton Micro-beam</b>	<b>11015</b>	1863
<i>Laura Grassi, Domenico Torresi, Luis Acosta, Pierpaolo Figuera, Maria Fisichella, Veljko Grilj, Milko Jakšić, Marcello Latuada, Tea Mijatovic, Matko Milin, Lovro Prepolec, Natko Skukan, Neven Soic, Vedrana Tokic, Milivoj Uroic</i>		
<b>Design Study of 10 kW Direct Fission Target for RISP Project</b>	<b>11016</b>	1867
<i>K. Tshoo, D.Y. Jang, H.J. Woo, B.H. Kang, G.D. Kim, W. Hwang, Y.K. Kim</i>		
<b>Present Status of KEK Isotope Separation System</b>	<b>11017</b>	1871
<i>Y. Hirayama, S.C. Jeong, Y.X. Watanabe, N. Imai, H. Ishiyama, H. Miyatake, M. Oyaizu, Y.H. Kim, M. Mukai, T. Sonoda, M. Wada, M. Huyse, Yu. Kudryavtsev, P. Van Duppen</i>		
<b>Neutron and Gamma-ray Detection using a Cs<sub>2</sub>LiYCl<sub>6</sub> Scintillator</b>	<b>11018</b>	1875
<i>Nafisah Khan, Rachid Machrafi</i>		
<b>RAON Neutron Science Facility Design for Measuring Neutron-induced Cross-section</b>	<b>11019</b>	1879
<i>Jae Cheon Kim, Jae Bum Son, Gi Dong Kim, Mitja Majerle, Yong-Kyun Kim</i>		
<b>Facility for Heavy Ion Collision Experiment at RAON</b>	<b>11020</b>	1883
<i>Young Jin Kim, Do Gyun Kim, Gi Dong Kim, Yong Hak Kim, Yong Kyun Kim, Young Kwan Kwon, Chong Cheol Yun, Byungsik Hong, Kyung Sei Lee, Eun Joo Kim, Jung Keun Ahn, Hyo Sang Lee</i>		
<b>The Status of New Fragment Separator ACCULINNA-2 Project and the First Day Experiments</b>	<b>11021</b>	1887
<i>S.A. Krupko, A.S. Fomichev, L.V. Grigorenko, M.S. Golovkov, S.V. Stepanov, G.M. Ter-Akopian, A.A. Bezbaikh, V. Chudoba, I.A. Egorova, S.N. Ershov, A.V. Gorshkov, V.A. Gorshkov, G. Kaminski, A.A. Korsheninnikov, E.A. Kuzmin, E.Yu. Nikolskii, Yu.Ts. Oganessian, Yu.L. Parfenova, P.G. Sharov, S.I. Sidorchuk, R.S. Slepnev, R. Wolski, A.A. Yukhimchuk, M.V. Zhukov</i>		
<b>A New Neutron Detector with a High Position Resolution for the Study of the (p, pn) Reaction on Rare Isotopes</b>	<b>11022</b>	1891
<i>Y. Kubota, M. Sasano, T. Uesaka, M. Dozono, M. Itoh, S. Kawase, M. Kobayashi, C. S. Lee, H. Matsubara, H. Miya, S. Ota, K. Sekiguchi, T. Taguchi, T. L. Tang, H. Tokieda, T. Wakui</i>		
<b>AFTER@LHC: A Precision Machine to Study the Interface Between Particle and Nuclear Physics</b>	<b>11023</b>	1895
<i>J.P. Lansberg, R. Arnaldi, S.J. Brodsky, V. Chamberl, J.P. Didelez, B. Genolini, E.G. Ferreiro, F. Fleuret, C. Hadjidakis, C. Lorcé, A. Rakotozafindrabe, P. Rosier, I. Schienbein, E. Scomparin, U. I. Uggerhøj</i>		
<b>Status of the RFQ Beam Cooler for SPES Project at LNL</b>	<b>11024</b>	1899
<i>Mario Maggiore, Anna M. Porcellato, Sergey Stark, Francesca Chiurlotto, Alessio Galatà, Antonio Dainelli, Mauro De Lazzari, Antonio Caruso, Alberto Longhitano</i>		
<b>Feasibility of the Spin-Light Polarimetry Technique for Longitudinally Polarized Electron Beams</b>	<b>11025</b>	1903
<i>Prajwal Mohanmurthy, Dutta Dipangkar</i>		

<b>A Unique TAS Setup for High Multiplicity Events at VECC, Kolkata using BaF<sub>2</sub> Detectors</b>	<b>11026</b>	1907
<i>G. Mukherjee, Balaram Dey, S. Mukhopadhyay, Deepak Pandit, Surajit Pal, H. Pai, S.R. Banerjee</i>		
<b>Energy Spread and Emittance Simulation for RISP RFQ Cooler</b>	<b>11027</b>	1911
<i>Young-Ho Park, Ju Hahn Lee, Won Joo Hwang, Gi Dong Kim, Hyung-Joo Woo, Yong Kyun Kim</i>		
<b>Time and Charge Characterization of Hamamatsu Photonics Silicon Photomultipliers</b>	<b>11028</b>	1915
<i>G. Galetta, F. Ciciriello, F. Corsi, R. De Leo, F. Garibaldi, L. Lagamba, F. Licciulli, F. Loddo, C. Marzocca, E. Nappi, R. Perrino, A. Ranieri</i>		
<b>The Transfer RIB Lines to the DESIR Facility at GANIL-SPIRAL2</b>	<b>11029</b>	1919
<i>Luc Perrot, Hamda Cherif</i>		
<b>The SPES Project at the INFN- Laboratori Nazionali di Legnaro</b>	<b>11030</b>	1923
<i>G. Prete, A. Andriguetto, M. Manzolaro, S. Corradetti, D. Scarpa, M. Rossignoli, A. Monetti, M. Lollo, M. Calderolla, J. Vasquez, D. Zafiroopoulos, L. Sarchiapone, D. Benini, P. Favaron, M. Rigato, R. Pegoraro, D. Maniero, L. Calabretta, M. Comunian, M. Maggiore, A. Lombardi, L. Piazza, A.M. Porcellato, C. Roncolato, G. Bisoffi, A. Pisent, A. Galatà, M. Giacchini, G. Bassato, S. Canella, F. Gramegna, J. Valiente, J. Bermudez, P.F. Mastinu, J. Esposito, J. Wyss, S. Zanella</i>		
<b>A Pellet Tracking System for Hadron Physics Experiments</b>	<b>11031</b>	1931
<i>A. Pysznak, H. Calén, K. Fransson, M. Jacewicz, T. Johansson, Z. Rudy</i>		
<b>Target Thickness Dependence of the Be(p,xn) Neutron Energy Spectrum</b>	<b>11032</b>	1935
<i>V. Rakopoulos, M. Lantz, P. Andersson, A. Hjalmarsson, A. Mattera, S. Pomp, A. Solders, J. Valldor-Blücher, D. Gorelov, H. Penttilä, S. Rinta-Antila, R. Bedogni, D. Bortot, A. Esposito, A. Gentile, E. Passoth, A. V. Prokofiev, M. V. Introini, A. Pola</i>		
<b>CEPA: A LaBr<sub>3</sub>(Ce)/LaCl<sub>3</sub>(Ce) Phoswich Array for Simultaneous Detection of Protons and Gamma Radiation Emitted in Reactions at Relativistic Energies</b>	<b>11033</b>	1939
<i>J. Sánchez del Río, M. Mårtensson, M.J.G. Borge, H. Johansson, T. Nilson, E. Nácher, A. Pereira, G. Ribeiro, O. Tengblad</i>		
<b>Unique Separator-spectrometer Experiments at the Frontiers of Nuclear Physics: The Super-FRS Scientific Program</b>	<b>11034</b>	1943
<i>Christoph Scheidenberger, Sydney Gales, Hans Geissel, Haik Simon, Isao Tanihata, Martin Winkler</i>		
<b>The Tagged Photon Facility at the MAX IV Laboratory</b>	<b>11035</b>	1949
<i>Bent Schröder</i>		
<b>Development of a Compton Camera for Online Range Monitoring of Laser-Accelerated Proton Beams via Prompt-Gamma Detection</b>	<b>11036</b>	1953
<i>P.G. Thiroff, C. Lang, S. Aldawood, H. G. V. D. Kolff, L. Maier, D.R. Schaart, K. Parodi</i>		
<b>The Mechanical Design of the BARREL Section of the Detector Califa for R<sup>3</sup>B-FAIR.</b>	<b>11037</b>	1957
<i>E. Casarejos, H. Alvarez-Pol, D. Cortina-Gil, I. Durán, P. Izquierdo, P. Yañez, J.A. Vilán</i>		
<b>Design and Construction of the Structure of the DEMONSTRATOR of the CALIFA Detector for R<sup>3</sup>B-FAIR Using Carbon-fiber Composites</b>	<b>11038</b>	1961
<i>E. Casarejos, H. Alvarez-Pol, D. Cortina-Gil, I. Durán, A. Iglesias, P. Izquierdo, P. Yañez, J.A. Vilán</i>		
<b>Polarization of a Stored Beam by Spin Filtering</b>	<b>11039</b>	1965
<i>Christian Weidemann</i>		
<b>The DEuterated SCintillator Array for Neutron Tagging - A Neutron Tagging Array for TRIUMF-ISAC</b>	<b>11040</b>	1969
<i>J. Wong, V. Bildstein, P.E. Garrett, D. Bandyopadhyay, J. Bangay, L. Bianco, G. Demand, G. Deng, A. Finlay, B. Hadinia, K.G. Leach, A. Liblong, C.E. Svensson, C. Sumithrarachchi, G.C. Ball, R. Churchman, A. Garnsworthy, G. Hackman, C.J. Pearson, J.P. Marin, S.F. Ashley, B.P. Crider, M.T. McEllistrem, E.E. Peters, F.M. Prados-Estevez, S.W. Yates, J.R. Vanhoy</i>		
<b>An Effective Method for Trapping Ion Beams in Superfluid Helium for Laser Spectroscopy Experiments</b>	<b>11041</b>	1973
<i>X.F Yang, T. Furukawa, T. Wakui, K. Immura, H. Fujita, Y. Mitsuya, M. Hayasaka, Y. Ichikawa, Y. Ishibashi, H. Shirai, Y. Ebara, A. Hatakeyama, M. Wada, T. Sonoda, T. Ito, T. Kobayashi, S. Nishimura, M. Nishimura, Y. Kondo, K. Yoneda, H. Ueno, T. Shinozuka, T. Shimoda, K. Asahi, Y. Matsuo</i>		
<b>Design of the Multi-reflection Time-of-flight Mass Spectrometer for the RAON Facility</b>	<b>11042</b>	1977
<i>J. W. Yoon, Y. -H. Park, S. J. Park, G. D. Kim, Y. K. Kim</i>		
<b>Extreme Light Infrastructure – Nuclear Physics (ELI-NP) European Research Centre</b>	<b>11043</b>	1981
<i>N.V. Zamfir</i>		
<b><sup>8</sup>He Nuclei Stopped in Nuclear Track Emulsion</b>	<b>11044</b>	1987
<i>P. I. Zarubin, I. G. Zarubina, D. A. Artemenkov, A. A. Bezbatch, V. Bradnova, M. S. Golovkov, A. V. Gorshkov, Al-Z. Farrag, G. Kaminsky, N. K. Kornevetska, S. A. Krupko, K. Z. Mamatkulov, R. R. Kattabekov, V. V. Rusakova, R. S. Slepnev, R. Stanoeva, S. V. Stepanov, A. S. Fomichev, V. Chudoba</i>		
<b>Author Index</b>		