

GROUPE PHYSIQUE
DOCUMENTATION



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Date de fin de la période : 31 décembre 2014

Production Scientifique du GANIL : 71

Publications relatives au GANIL dans des revues à comité de lecture (ACL) : 38

Actes de Conférences (ACTI) : 33

Physique nucléaire : 44 (ACL=20/ACTI=24)

Théorie : 6 (ACL=4/ACTI=2)

Physique des accélérateurs / Instrumentation : 9 (ACL=2/ACTI=7)

Interdisciplinaire : 12 (ACL=12/ACTI=0)

Nombre de publications « GANIL » avec le texte intégral en « accès libre »
dans HAL-IN2P3 : 36

Nombre de publications « Expérience GANIL » : 18

Thèses GANIL : 1

HDR GANI :

Thèses et HDR relatives à GANIL :

Rapports GANIL : 1

Publications du GANIL : <http://hal.in2p3.fr/GANIL/fr/>

ACL : Articles scientifiques dans une revue internationale à comité de lecture

ACTI : Communications avec actes dans un congrès international

Analyse bibliométrique de la production scientifique du GANIL (d'après le Web of Science):

Journal	ISSN *	Impact Factor **	Nombre
Nature	0028-0836	38.597	
Physical Review Letters	0031-9007	7.943	2
J. Phys. G: Nucl. Part. Phys.	0954-3899	5.326	1
Physics Letters B	0370-2693	4.569	4
Physical Review C	0556-2813	3.715	13
Physical Review A	1050-2947	3.042	
Progress in Particle and Nuclear Physics	0146-6410	2.257	
EUR. PHYS. J. A	1434-6001	2.043	3
J. Phys. A: Math. Theor	1751-8113	1.766	
Journal of Instrumentation	1748-0221	1,656	
Review of Scientific Instruments	0034-6748	1.602	2
Nuclear Physics A	0375-9474	1.525	
IEEE Transactions on Nuclear Science	0018-9499	1,219	
NIM A	0168-9002	1.207	3
NIM B	0168-583X	1,114	
Physica Scripta	0031-8949	1.032	
Acta Physica Polonica B	0587-4254	1.011	6
Int. J. Modern Physics E	0218-3013	0,625	
AIP Conference Proceedings	1515-7616	nr	
EPJ Web of Conferences	2100-014X	nr	20
Few-Body System	0177-7963	nr	
Fortshritte der Physik-Prog.of Physics	0015-8208	nr	
Hyperfine Interactions	0304-3843	nr	
Journal of Physics : Conference Series	1742-6596	nr	
Physical Rev. Special Topics - Accelerators and Beams	1098-4402	nr	
Physics Procedia	1875-3892	nr	
Proceedings of ICALEPCS2013		nr	5
			63

* ISSN : <http://www.issn.org/>

** J.C.R. (2012) : Web of science : <http://bibliosciences.inist.fr/>

PHYSIQUE NUCLEAIRE

Towards the high spin–isospin frontier using isotopically-identified fission fragments

A. Navin, M. Rejmund, C. Schmitt, S. Bhattacharyya, G. Lhersonneau, P. Van Isacker, M. Caamaño, E. Clément, O. Delaune, F. Farget, G. de France, B. Jacquot

Physics Letters B 728 (2014) 136–140

2014-005 A

<http://hal.in2p3.fr/in2p3-00909222>

In-gas-cell laser ionization spectroscopy in the vicinity of ^{100}Sn : Magnetic moments and mean-square charge radii of $N=50\text{--}54\text{Ag}$

R. Ferrer, N. Bree, T.E. Cocolios, I.G. Darby, H. De Witte, W. Dexters, J. Diriken, J. Elseviers, S. Franchoo, M. Huyse, N. Kesteloot, Yu. Kudryavtsev, D. Pauwels, D. Radulova, T. Roger, H. Savajols, P. Van Duppen, M. Venhart

Physics Letters B 728 (2014) 191–197

2014-006 A

<http://hal.in2p3.fr/in2p3-00910401>

Character of particle-hole excitations in ^{94}Ru deduced from γ -ray angular correlation and linear polarization measurements

F. Ghazi Moradi, C. Qi, B. Cederwall, A. Atac, T. Back, R. Liotta, M. Doncel, A. Johnson, G. de France, E. Clément A. Dijon, R. Wadsworth, T. W. Henry, A. J. Nichols, H. Al-Azri, J. Nyberg, A. Gengelbach, T. Huyuk, B.M. Nyako, J. Timar, D. Sohler, Zs. Dombradi, I. Kuti, K. Juhasz, M. Palacz, G. Jaworski, S. M. Lenzi, P.R. John, D.R. Napoli, A. Gottardo, V. Modamio, A. Di Nitto, B. Yilmaz, O. Aktas, and E. Ideguchi

Physical Review C 89, 014301 (2014)

2014-007 A

<http://hal.in2p3.fr/in2p3-00925116>

The $^{12}\text{C}(^{16}\text{O},\gamma\ ^{28}\text{Si})$ radiative capture reaction at sub-barrier energies

A. Goasduff, S. Courtin, F. Haas, D. Lehbertz, D.G. Jenkins, J. Fallis, C. Ruiz, D. A. Hutcheon, P.-A. Amandruz, C. Davis, U. Hager, D. Ottewell, and G. Ruprecht

Physical Review C 89, 014305 (2014)

2014-008 A

<http://hal.in2p3.fr/in2p3-00926451>

Upgrade of the SPIRAL identification station for high-precision measurements of nuclear β decay

G.F.Grinyer, J.C.Thomas, B.Blank, H.Bouzomita, R.A.E.Austin, G.C.Ball, F.Bucaille, P.Delahaye, P.Finlay, G.Frémont, J.Gibelin, J.Giovinazzo, J.Grinyer, T.Kurtukian-Nieto, A.T.Laffoley, K.G.Leach, A.Lefèvre, F.Legruel, G. Lescalié, D.Perez-Loureiro

Nuclear Instruments and Methods in Physics Research A741 (2014) 18–25

2014-010 A

<http://hal.in2p3.fr/in2p3-00924885>

Experimental Study of the Two-Body Spin-Orbit Force in Nuclei

G. Burgunder, O. Sorlin, F. Nowacki, S. Giron, F. Hammache, M. Moukaddam, N. de Séréville, D. Beaumel, L. Cères, E. Clément, G. Duchêne, J. P. Ebran, B. Fernandez-Dominguez, F. Flavigny, S. Franchoo, J. Gibelin, A. Gillibert, S. Grévy, J. Guillot, A. Lepailleur, I. Matea, A. Matta, L. Nalpas, A. Obertelli, T. Otsuka, J. Pancin, A. Poves, R. Raabe, J. A. Scarpaci, I. Stefan, C. Stodel, T. Suzuki, and J. C. Thomas

Physical Review Letters 112, 042502 (2014)

2014-013 A

<http://hal.in2p3.fr/in2p3-00925064>

In-flight fast-timing measurements in ^{152}Sm

C. Plaisir, L. Gaudefroy, V. Meot, A. Blanc, J. M. Daugas, O. Roig, N. Arnal, T. Bonnet, F. Gobet, F. Hannachi, M. Tarisien, M. Versteegen, T. Roger, M. Rejmund, A. Navin, C. Schmitt, G. Fremont, J. Goupil, J. Pancin, C. Spitaels, and M. Zielinska

Physical Review C 89, 021302(R) (2014)

2014-016 A

<http://hal.in2p3.fr/in2p3-00951130>

Transfer reactions in inverse kinematics: An experimental approach for fission investigations

C. Rodriguez-Tajes, F. Farget, X. Derkx, M. Caamano, O. Delaune, K.-H. Schmidt, E. Clément, A. Dijon, A. Heinz, T. Roger, L. Audouin, J. Benlliure, E. Casarejos, D. Cortina, D. Dore, B. Fernandez-Dominguez, B. Jacquot, B. Jurado, A. Navin, C. Paradela, D. Ramos, P. Romain, M. D. Salsac, and C. Schmitt

Physical Review C 89, 024614 (2014)

2014-018 A

<http://hal.in2p3.fr/in2p3-00951556>

Study of the neutron-rich isotope ^{46}Ar through intermediate energy Coulomb excitation

S. Calinescu, L. Cáceres, S. Grévy, O. Sorlin, D. Sohler, M. Stanoiu, F. Negoita, E. Clément, R. Astabatyan, C. Borcea, R. Borcea, M. Bowry, W. Catford, Z. Dombradi, S. Franchoo, R. Garcia, R. Gillibert, H. Guerin, J.C. Thomas, I. Kuti, S. Lukyanov, A. Lepailleur, V. Maslov, P. Morfouace, J. Mrazek, M. Niikura, L. Perrot, Z. Podolyak, C. Petronea, Y. Penionzhkevich, T. Roger, F. Rotaru, I. Stefan, Z. Vajta, E. Wilson

Acta Physica Polonica B Vol 45 (2014) 199

XXXIII Mazurian Lakes Conference on Physics, Piaski, Poland, September 1–7, 2013

2014-019 A

<http://hal.in2p3.fr/in2p3-00954485>

Study of the $^{15}\text{O}(2p, \gamma)^{17}\text{Ne}$ cross section by Coulomb dissociation of ^{17}Ne for the rp process of nucleosynthesis

J. Marganec, F. Wamers, F. Aksouh, Y. Aksyutina, H. Alvarez Pol, T. Aumann, S. Beceiro, C. Bertulani, K. Boretzky, M.J.G. Borge, M. Chartier, A. Chatillon, L. Chulkov, D. Cortina-Gil, I. Egorova, H. Emling, O. Ershova, C. Forssén, L.M. Frailel, H. Fynbo, D. Galaviz, H. Geissel, L. Grigorenko, M. Heil, D.H.H. Hoffmann, J. Hoffmann, H. Johansson, B. Jonson, M. Karakoç, C. Karagiannis, O. Kiselev, J.V. Kratz, R. Kulesa, N. Kurz, C. Langer, M. Lantz, K. Larsson, T. Le Bleis, R. Lemmon, Yu.A. Litvinov, K. Mahata, C. Müntz, T. Nilsson, C. Nociforo, G. Nyman, W. Ott, V. Panin, Yu. Parfenova, S. Paschalis, A. Perea, R. Plag, R. Reifarh, A. Richter, K. Riisager, C. Rodríguez Tajes, D. Rossi, G. Schrieder, N. Shulgina, H. Simon, J. Stroth, K. Sümmerer, J. Taylor, O. Tengblad, E. Tengborn, H. Weick, M. Wiescher, C. Wimmer, M. Zhukov

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XXXIII Mazurian Lakes Conference on Physics, Piaski, Poland, September 1–7, 2013

2014-020 A

<http://hal.in2p3.fr/in2p3-00954492>

Beta decay of the exotic $T_z = -2$, ^{56}Zn nucleus and half-life of various proton-rich $T_z = -1$ nuclei

S.E.A. Orrigo, B. Rubio, J. Agramunt, A. Algora, F. Molina, B. Blank, P. Ascher, M. Gerbaux, J. Giovinazzo, S. Grévy, T. Kurtukian-Nieto, W. Gelletly, B. Bilgier, R.B. Cakirli, E. Ganioglu, H.C. Kozler, L. Kucuk, G. Susoy, L. Cáceres, O. Kamalou, C. Stodel, J.C. Thomas, H. Fujita, T. Suzuki, A. Tamii, L. Popescu, A.M. Rogers

Acta Physica Polonica B Vol 45 (2014) 355

XXXIII Mazurian Lakes Conference on Physics, Piaski, Poland, September 1–7, 2013

2014-022 A

<http://hal.in2p3.fr/in2p3-00954498>

Reaction of the halo nucleus ^{11}Be on heavy targets at energies around the coulomb barrier

V. Pesudo, M.J.G. Borge, A.M. Moro, E. Nacher, L. Acosta, M. Alcorta, M.A.G. Alvarez, G.C. Ball, P.C. Bender, R. Braid, M. Cuberoa, A. di Pietro, J.P. Fernandez-Garciab, P. Figuera, M. Fisichella, B.R. Fulton, A.B. Garnsworthy, J. Gomez-Camacho, G. Hackman, O.S. Kirsebom, K. Kuhn, R. Krüeckeng;, M. Lattuada, J.A. Layl, G. Marquínez-Durán, I. Martelc,D. Miller, M. Moukaddam, P.D. O'Malley, A. Perea, M.M. Rajabali, A.M. Sánchez-Benítez, F. Sarazin, V. Scuderi, C.E. Svensson, O. Tengblad, C. Unsworth, Z.M. Wang

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XXXIII Mazurian Lakes Conference on Physics, Piaski, Poland, September 1–7, 2013

2014-023 A

<http://hal.in2p3.fr/in2p3-00954508>

Isospin transport in $^{84}\text{Kr} + ^{112;124}\text{Sn}$ collisions at Fermi energies with the FAZIA detector

S. Barlini, S. Piantelli, G. Casini, P.R. Maurenzig, A. Olmi, M. Bini, S. Carboni, G. Pasquali, G. Poggi, A.A. Stefanini, E. Scarlini, R. Bougault, O. Lopez, N. Le Neindre, M. Parlog, E. Vient, E. Bonnet, A. Chbihi, J.D. Frankland, D. Gruyer, M.F. Rivet, B. Borderie, E. Rosato, G. Spadaccini, M. Vigilante, M. Bruno, L. Morelli, M. Cinausero, M. Degerlier, F. Gramegna, T. Marchi, T. Kozik, T. Twarogh, R. Alba, C. Maiolino, D. Santonocito

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XXXIII Mazurian Lakes Conference on Physics, Piaski, Poland, September 1–7, 2013

2014-024 A

<http://hal.in2p3.fr/in2p3-00954513>

Isospin properties of electric dipole excitations in ^{48}Ca

V.Derya, D.Savran, J.Endres, M.N.Harakeh, H.Herger, J.H.Kelley, P.Papakonstantinou, N.Pietralla, V.Yu.Ponomarev, R.Roth, G.Rusevk, A.P.Tonchev, W.Tornow, H.J.Wörtche, A.Zilges

Physics Letters B 730 (2014) 288-292

2014-025 A

<http://hal.in2p3.fr/in2p3-00941569>

Production cross sections of heavy neutron-rich nuclei approaching the nucleosynthesis r-process path around $A = 195$

T. Kurtukian-Nieto, J. Benlliure, K.-H. Schmidt, L. Audouin, F. Becker, B. Blank, E. Casarejos, F. Farget, M. Fernandez-Ordonez, J. Giovinazzo, D. Henzlova, B. Jurado, J. Pereira, and O. Yordanov

Physical Review C 89, 024616 (2014)

2014-026 A

<http://hal.in2p3.fr/in2p3-00955218>

Study of internal structures of $^{9,10}\text{Be}$ and ^{10}B in scattering of ^4He from ^9Be

S.M. Lukyanov, A.S. Denikin, E.I. Voskoboynik, S.V. Khlebnikov, M.N. Harakeh, V.A. Maslov, Yu.E. Penionzhkevich, Yu.G. Sobolev., W.H. Trzaska, G.P. Tyurin and K.A. Kuterbekov
J. Phys. G: Nucl. Part. Phys. 41 (2014) 035102 (14pp)

2014-033 A

<http://hal.in2p3.fr/in2p3-00958479>

Investigation of collective radial expansion and stopping in heavy ion collisions at Fermi energies

E. Bonnet, M. Colonna, A. Chbihi, J. D. Frankland, D. Gruyer, and J. P. Wieleczko

Physical Review C 89, 034608 (2014)

2014-034 A

<http://hal.archives-ouvertes.fr/hal-00870587>

β decay of $^{61,63}\text{V}$ and low-energy level schemes of $^{61,63}\text{Cr}$

S. Suchyta, S. N. Liddick, C. J. Chiara, W. B. Walters, M. P. Carpenter, H. L. Crawford, G.F. Grinyer, G. Gurdal, A. Klose, E. A. McCutchan, J. Pereira, and S. Zhu

Physical Review C 89, 034317 (2014)

2014-036 A

<http://hal.in2p3.fr/in2p3-00964160>

Shell Evolutions and Nuclear Forces

O. Sorlin

EPJ Web of Conferences 66 01016 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-037 A

<http://hal.in2p3.fr/in2p3-00924732>

Spectroscopy of neutron rich nuclei using cold neutron induced fission of actinide targets at the ILL: the EXILL campaign

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, W. Urban, and A. Vancrayenest

EPJ Web of Conferences 66 02010 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-039 A

<http://hal.in2p3.fr/in2p3-00831084>

Onset of collectivity in $^{96,98}\text{Sr}$ studied via Coulomb excitation

E. Clément, A. Görgen, 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, and H. De Witte

EPJ Web of Conferences 66 02021 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-040 A

<http://hal.in2p3.fr/in2p3-00966051>

Exploring the stability of super heavy elements: First Measurement of the Fission Barrier of ^{254}No

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. Lauristen, C. J. Lister, E. A. McCutchan, C. Nair, J. Piot, D. Potterveld, P. Reiter, N. Rowley, A. M. Rogers, and S. Zhu

EPJ Web of Conferences 66 02046 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-041 A

<http://hal.in2p3.fr/in2p3-00966058>

In-beam γ -ray spectroscopy of $^{38,40,42}\text{Si}$

M. Matsushita, S. Takeuchi, N. Aoi, P. Doornenbal, J. Lee, K. Li, T. Motobayashi, H. Scheit, D. Steppenbeck, H. Wang, H. Baba, D. Bazin, L. C aceres, H. Crawford, P. Fallon, R. Gernh user, J. Gibelin, S. Go, S. Gr vy, C. Hinke, C. R. Hoffman, R. Hughes, E. Ideguchi, K. Ieki, D. Jenkins, N. Kobayashi, Y. Kondo, R. Kr ucken, 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, and K. Yoneda

EPJ Web of Conferences 66, 02070 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-042 A

<http://hal.in2p3.fr/in2p3-00989741>

Beta decay of exotic TZ = -1, -2 nuclei: the interesting case of ^{56}Zn

S.E.A. Orrigo, B. Rubio, Y. Fujita, B. Blank, W. Gelletly, J. Agramunt, A. Algora, P. Ascher, B. Bilgier, L. C aceres, R.B. Cakirli, H. Fujita, E. Ganioglu, M. Gerbaux, J. Giovinazzo, S. Gr vy, O. Kamalou, H.C. Kozler, L. Kucuk, T. Kurtukian-Nieto, F. Molina, L. Popescu, A.M. Rogers, G. Susoy, C. Stodel, T. Suzuki, A. Tamii and J.C. Thomas

EPJ Web of Conferences 66 02077 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-043 A

<http://hal.in2p3.fr/in2p3-00941573>

Study of pairing and clusterisation in light nuclei through nuclear break-up

M. Assi , J.-A. Scarpaci and D. Lacroix

EPJ Web of Conferences 66, 02077 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-044 A

<http://hal.in2p3.fr/in2p3-00966412>

Pseudo-critical clusterization in nuclear multifragmentation

D. Gruyer, J.D. Frankland, R. Botet, M. Ploszajczak, E. Bonnet, A. Chbihi, and P. Marini for the INDRA collaboration

EPJ Web of Conferences 66, 02077 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-045 A

<http://hal.in2p3.fr/in2p3-00853654>

Study of the multi-nucleon transfer reactions of $^{136}\text{Xe} + ^{198}\text{Pt}$ for producing exotic heavy nuclei

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, and J. Takatsu

EPJ Web of Conferences 66, 02077 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-046 A

<http://hal.in2p3.fr/in2p3-00989745>

Decay competition for IMF produced in the collisions $^{78}\text{Kr} + ^{40}\text{Ca}$ and $^{86}\text{Kr} + ^{48}\text{Ca}$ at 10 A-MeV

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

EPJ Web of Conferences 66, 03052 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-047 A

<http://hal.in2p3.fr/in2p3-0966449>

Near barrier scattering of ^8He on ^{208}Pb

G. Marquín-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. Marqués, A.M. Moro, M. Mazzocco, A. Pakou, V.V. Parkar, N. Patronis, V. Pseudo, D. Pierrotsakou, R. Raabe, R. Silvestri, N. Soic, Ł. Standylo, I. Strojek, O. Tengblad, R. Wolski, and A.H. Ziad

EPJ Web of Conferences 66, 03058 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-048 A

<http://hal.in2p3.fr/in2p3-0966667>

Isospin transport in $^{84}\text{Kr}+^{112,124}\text{Sn}$ reactions at Fermi energies

S.Piantelli, G.Casini, A.Olmi, S.Barlino, 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.Rivet6, M.Bruno, L.Morelli, M.Cinausero, M.Degerlier, F.Gramegna, T.Marchi, R.Alba, C.Maiolino, D.Santonocito, T.Kozik, and T.Twarog

EPJ Web of Conferences 66, 03070 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-049 A

<http://hal.in2p3.fr/in2p3-0860105>

The ASY-EOS experiment at GSI: investigating symmetry energy at supra-saturation densities

P. Russotto, M. Chartier, M.D. Cozma, E. De Filippo, A. Le Fèvre, S. Gannon, I. Gašparic, M. Kiš, S. Kupny, Y. Leifels, R.C. Lemmon, Q. Li, J. Łukasik, P. Marini, P. Pawłowski, S. Santoro, W. Trautmann, M. Veselsky, L. Acosta, M. Adamczyk, A. Al-Ajlan, M. Al-Garawi, S. Al-Homaidhi, F. Amorini, L. Auditore, T. Aumann, Y. Ayyad, V. Baran, Z. Basrak, R. Bassini, J. Benliure, C. Boiano, M. Boisjoli, K. Boretzky, J. Brzychczyk, A. Budzanowski, G. Cardell, P. Cammarata, Z. Chajecki, A. Chbihi, M. Colonna, B. Czech, M. Di Toro, M. Famiano, V. Greco, L. Grassi, C. Guazzoni, P. 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. Reifarh, 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, and M. Zoric

EPJ Web of Conferences 66, 03074 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-050 A

<http://hal.in2p3.fr/in2p3-0966689>

Symmetry Energy Dependence of Light Fragment Production in Heavy Ion Collisions

H.H. Wolter, M. Zielinska-Pfabe, P. Decowski, M. Colonna, R. Bougault, and A. Chbihi

EPJ Web of Conferences 66, 03097 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-051 A

<http://hal.in2p3.fr/in2p3-0966819>

High-Precision Half-life Measurements for the Superalloyed β^+ Emitter ^{14}O

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, and C. Unsworth
EPJ Web of Conferences 66, 05012 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013
2014-052 A

<http://hal.in2p3.fr/in2p3-0939050>

High-precision half-life and branching-ratio measurements for superallowed Fermi β^+ emitters at TRIUMF – ISAC

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. Glistler, K.L. Green, G. Hackman, 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, and E.F. Zganjar
EPJ Web of Conferences 66, 05013 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013
2014-053 A

<http://hal.in2p3.fr/in2p3-0939059>

Precise measurement of the angular correlation parameter $a_{\beta\beta}$ in the decay of ^{35}Ar with LPCTrap

X. Fabian, G. Ban, R. Boussaïd, M. Breitenfeldt, C. Couratin, P. Delahaye, D. Durand, P. Finlay, X. Fléchar, B. Guillon, Y. Lemièrre, A. Leredde, E. Liénard, A. Méry, O. Naviliat-Cuncic, E. Pierre, T. Porobic, G. Quéméner, D. Rodríguez, N. Severijns, J.C. Thomas, and S. Van Gorp
EPJ Web of Conferences 66, 08002 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013
2014-054 A

<http://hal.in2p3.fr/in2p3-00968178>

The european FAZIA initiative: a high-performance digital telescope array for heavy-ion studies

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. Bougault, M. Bruno, A. Chbihi, M. Cinausero, M. Degerlier, P. Edelbruck, J.D. Frankland, F. Gramegna, D. Gruyer, M. Guerzoni, A. Kordjasz, T. Kozik, N. Le Neindre, O. Lopez, T. Marchi, P. Marini, L. Morelli, A. Ordine, M. Pârlog, M.F. Rive, E. Rosato, F. Salomon, G. Spadaccini, T. Twaróg, E. Vient, and M. Vigilante
EPJ Web of Conferences 66, 11006 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013
2014-055 A

<http://hal.in2p3.fr/in2p3-00858770>

Structure of ^{13}Be probed via secondary-beam reactions

G. Randisi, A. Leprince, H. Al Falou, N. A. Orr, F.M. Marques, N. L. Achouri, J.-C. Angélique, N. Ashwood, B. Bastin, T. Bloxham, B. A. Brown, W. N. Catford, N. Curtis, F. Delaunay, M. Freer, E. de Goes Brennand, P. Haigh, F. Hanappe, C. Harlin, B. Laurent, J.-L. Lecouey, A. Ninane, N. Patterson, D. Price, L. Stuttgé, and J. S. Thomas

Physical Review C 89, 034320 (2014)

2014-056 A

<http://hal.in2p3.fr/in2p3-966679>

Isospin effects and symmetry energy studies with INDRA

INDRA Collaboration

G. Ademard, B. Borderie, A. Chbihi, O. Lopez, P. Napolitani, M.F. Rivet, M. Boisjoli, E. Bonnet, R. Bougault, J.D. Frankland, E. Galichet, D. Gruyer, D. Guinet, M. Kabtoul, G. Lehaut, P. Lantesse, M. La Commara, N. Le Neindre, P. Marini, M. Parlog, P. Pawlowski, E. Rosato, R. Roy, G. Spadaccini, E. Vient, M. Vigilante, and J.P. Wieleczko

Eur. Phys. J. A (2014) 50: 33

2014-057 A

<http://hal.in2p3.fr/in2p3-00966973>

How much cooler would it be with some more neutrons? Exploring the asymmetry dependence of the nuclear caloric curve and the liquid-gas phase transition

A.B. McIntosh, J. Mabiala, A. Bonasera, P. Cammarata, K. Hagel, Z. Kohley, L. Heilborn, L.W. May, P. Marini, A. Raphelt, G.A. Souliotis, S. Wuenschel, A. Zarrella, H. Zheng, S.J. Yennello

Eur. Phys. J. A (2014) 50: 35

2014-058 A

<http://hal.in2p3.fr/in2p3-00966911>

The FAZIA project in Europe: R&D phase

The FAZIA Collaboration

R. Bougault, G. Poggi, S. Barlini, B. Borderie, G. Casini, A. Chbihi, N. Le Neindre, M. Parlog, G. Pasquali, S. Piantelli, Z. Sosin, G. Ademard, R. Alba, A. Anastasio, S. Barbey, L. Bardelli, M. Bini, A. Boiano, M. Boisjoli, E. Bonnet, R. Borcea, B. Bougard, G. Brulin, M. Bruno, S. Carboni, C. Cassese, F. Cassese, M. Cinausero, L. Ciolacu, I. Cruceru, M. Cruceru, B. D'Aquino, B. De Fazio, M. Degerlier, P. Desrues, P. Di Meo, J.A. Duenas, P. Edelbruck, S. Energico, M. Falorsi, J.D. Frankland, E. Galichet, K. Gasiior, F. Gramegna, R. Giordano, D. Gruyer, A. Grzeszczuk, M. Guerzoni, H. Hamrita, C. Huss, M. Kajetanowicz, K. Korcyl, A. Kordyasz, T. Kozik, P. Kulig, L. Lavergne, E. Legouée, O. Lope, J. Lukasik, C. Maiolino, T. Marchi, P. Marini, I. Martel, V. Masone, A. Meoli, Y. Merrer, L. Morelli, F. Negoita, A. Olmi, A. Ordine, G. Paduano, C. Pain, M. Palka, G. Passeggio, G. Pastore, P. Pawlowski, M. Petcu, H. Petrascu, E. Piasecki, G. Pontoriere, E. Raully, M.F. Rivet, R. Rocco, E. Rosato, L. Roscilli, E. Scarlini, F. Salomon, D. Santonocito, V. Seredov, S. Serra, D. Sierpowski, G. Spadaccini, C. Spitaels, A.A. Stefanini, G. Tobia, G. Tortone, T. TwarLog, S. Valdré, A. Vanzanella, E. Vanzanella, E. Vient, M. Vigilante, G. Vitiello, E. Wanlin, A. Wieloch, and W. Zipper

Eur. Phys. J. A (2014) 50: 35

2014-059 A

<http://hal.in2p3.fr/in2p3-00966956>

Spectroscopy of the neutron-deficient N = 50 nucleus ⁹⁵Rh

F. Ghazi Moradi, B. Cederwall, C. Qi, T. Back, A. Atac, R. Liotta, M. Doncel, A. Johnson, G. de France, E. Clément, J. Nyberg, A. Gengelbach, B. M. Nyako J. Gal, G. Kalinka, J. Molnar, J. Timar, D. Sohler, Zs. Dombradi, I. Kuti, K. Juhasz, D. R. Napoli, A. Gottardo, V. Modamio, R. Wadsworth, T. W. Henry, A. J. Nichols, H. Al-Azri, M. Palacz, E. Ideguchi, O. Aktas, A. Di Nitto, A. Dijon, T. Huyuk, G. Jaworski, P. R. John, and B. Yilmaz

Physical Review C 89, 044310 (2014)

2014-062 A

<http://hal.in2p3.fr/in2p3-00976556>

FALSTAFF: a novel apparatus for fission fragment characterization

S. Panebianco, D. Doré, F. Farget, F.-R. Lecolley, G. Lehaut, T. Materna, J. Pancin, T. Papaevangelou

EPJ Web of Conferences 69, 00021 (2014)

CNR*13 - Fourth Int. Workshop on Compound Nuclear Reactions and Related Topics,

Sao Paulo (Brésil), October 7-11, 2014

2014-066 A

<http://hal.in2p3.fr/in2p3-00880410>

Shape Coexistence in the Neutron-Deficient Even-Even ¹⁸²⁻¹⁸⁸Hg Isotopes Studied via Coulomb Excitation

N. Bree, K. Wrzosek-Lipska, A. Petts, A. Andreyev, B. Bastin, M. Bender, A. Blazhev, B. Bruyneel, P.A. Butler, J. Butterworth, M.P. Carpenter, J. Cederkäll, E. Clément, T.E. Cocolios, A. Deacon, J. Diriken, A. Ekström, C. Fitzpatrick, L. M. Fraile, Ch. Fransen, S.J. Freeman, L. P. Gaffney, J.E. García-Ramos, K. Geibel, R. Gernhäuser, T. Grahn, M. Guttormsen, B. Hadinia, K. Hadyńska-Kle, M. Hass, P.-H. Heenen, R.-D. Herzberg, H. Hess, K. Heyde, M. Huyse, O. Ivanov, D.G. Jenkins, R. Julin, N. Kesteloot, Th. Kröll, R. Krücken, A.C. Larsen, R. Lutter, P. Marley, P.J. Napiorkowski, R. Orlandi, R. D. Page, J. Pakarinen, N. Patronis, P. J. Peura, E. Piselli, P. Rahkila, E. Rapisarda, P. Reiter, A. P. Robinson, M. Scheck, S. Siem, K. Singh Chakkal, J. F. Smith, J. Srebrny, I. Stefanescu, G. M. Tveten, P. Van Duppen, J. Van de Walle, D. Voulot, N. Warr, F. Wenander, A. Wiens, J.L. Wood, and M. Zielińska

Physical Review Letters 112, 162701 (2014)

2014-067 A

<http://hal.in2p3.fr/in2p3-00984401>

Collectivity in A~70 nuclei studied via lifetime measurements in ⁷⁰Br and ^{68,70}Se

A.J. Nichols, R. Wadsworth, H. Iwasaki, K. Kanekoc, A. Lemasson, G. de Angelis, V.M. Bader, T. Baugher, D. Bazin, M.A. Bentley, J.S. Berryman, T. Braunroth, P.J. Davies, A. Dewald, C. Fransen, A. Gade, M. Hackstein, J. Henderson, D.G. Jenkins, D. Miller, C. Morse, I. Paterson, E.C. Simpson, S.R. Stroberg, D. Weisshaar, K. Whitmore, K. Wimmer

Physics Letters B 733 (2014) 52–57

2014-071 A

<http://hal.in2p3.fr/in2p3-00989545>

THEORIE

Near-threshold correlations of neutrons

J. Okołowicz, W. Nazarewicz, M. Płoszajczak

Acta Physica Polonica B Vol 45 (2014) 331

XXXIII Mazurian Lakes Conference on Physics, Piaski, Poland, September 1–7, 2013

2014-021 T

<http://hal.in2p3.fr/in2p3-00876895>

Systematic study of isovector and isoscalar giant quadrupole resonances in normal and superfluid deformed nuclei

G. Scamps, D. Lacroix

Physical Review C 89, 034314 (2014)

2014-035 T

<http://hal.in2p3.fr/in2p3-00935751>

The No Core Gamow Shell Model for ab-initio Nuclear Structure Calculations

G. Papadimitriou, B.R. Barrett, J. Rotureau, N. Michel, and M. Płoszajczak

EPJ Web of Conferences 66 02006 (2014)

25th Int. Nuclear Physics Conference - INPC 2013, Firenze (Italy) 02-06 juin 2013

2014-038 T

<http://hal.in2p3.fr/in2p3-00831079>

Gamow shell model description of proton scattering on ^{18}Ne

Y. Jaganathen, N. Michel and M. Płoszajczak

Physical Review C 89, 034624 (2014)

2014-060 T

<http://hal.in2p3.fr/in2p3-00951547>

Linking partial and quasi dynamical symmetries in rotational nuclei

C. Kremer, J. Beller, A. Leviatan, N. Pietralla, G. Rainovski, R. Trippel, and P. Van Isacker

Physical Review C 89, 041302(R) (2014)

2014-061 T

<http://hal.in2p3.fr/in2p3-00975807>

Precise comparison of the Gaussian expansion method and the Gamow shell model

H. Masui, K. Kato, N. Michel, M. Płoszajczak

Physical Review C 89, 044317 (2014)

2014-063 T

<http://hal.in2p3.fr/in2p3-00955159>

ACCELERATEUR ET INSTRUMENTATION

Tests of Micro-Pattern Gaseous Detectors for active target time projection chambers in nuclear physics

J. Pancin, S. Damoy, D. Perez Loureiro, V. Chambert, F. Dorangeville, F. Druillolle, G.F. Grinyer, A. Lermitege, A. Maroni, G. Noël, C. Porte, T. Roger, P. Rosier, L. Suen

Nuclear Instruments and Methods in Physics Research A 735 (2014) 532–540

2014-001 I

<http://hal.in2p3.fr/in2p3-00871956>

Future carbon beams at SPIRAL1 facility: Which method is the most efficient?

L. Maunoury, P. Delahaye, J. Angot, M. Dubois, M. Dupuis, R. Frigot, J. Grinyer, P. Jardin, C. Leboucher, and T. Lamy

Review of Scientific Instruments 85, 02A504 (2014)

15th Int. Conference on Ion Sources, Chiba, Japan, September 2013

2014-003 C

<http://hal.in2p3.fr/in2p3-00858833>

Metallic beam developments for the SPIRAL 2 project

C. Barué, C. Canet, M. Dupuis, J. L. Flambard, R. Frigot, P. Jardin, T. Lamy, F. Lemagnen, L. Maunoury, B. Osmond, C. Peaucelle, P. Sole, and T. Thuillier

Review of Scientific Instruments 85, 02A946 (2014)

15th Int. Conference on Ion Sources, Chiba, Japan, September 2013

2014-004 C

<http://hal.in2p3.fr/in2p3-00862828>

The SPIRAL2 control system progress towards the commissioning phase

C. Haquin, P. Gillette, E. Lécorché, E. Lemaître, G. Normand, C.H. Patard, L. Philippe, D. Touchard, J.F. Denis, F. Gougnaud, J. F. Gournay, Y. Lussignol, P. Graehling, J. Hosselet, C. Maazouzi

Proceedings of ICALEPCS2013 (2014) 8-11

14th Int. Conference on Accelerator & Large Experimental Physics Control Systems, San Francisco, USA, October 6-11, 2013

2014-028 C

<http://hal.in2p3.fr/in2p3-00958269>

Machine protection system for the SPIRAL2 facility

C. Berthe, E. Lecorche, M-H. Moscatello, G. Normand

Proceedings of ICALEPCS2013 (2014) 178-180

14th Int. Conference on Accelerator & Large Experimental Physics Control Systems,
San Francisco, USA, October 6-11, 2013

2014-029 C

<http://hal.in2p3.fr/in2p3-00870569>

Development of the thermal beam loss monitors of the SPIRAL2 control system

C Haquin, F. Negoita

Proceedings of ICALEPCS2013 (2014) 181-183

14th Int. Conference on Accelerator & Large Experimental Physics Control Systems,
San Francisco, USA, October 6-11, 2013

2014-030 C

<http://hal.in2p3.fr/in2p3-00870813>

A small but efficient collaboration for the SPIRAL2 control system development

E. Lécorche, C. Berthe, F. Bucaille, P. Gillette, C. Haquin, E. Lemaitre, J-M. Loyant,
G. Normand, C-H. Patard, L. Philippe, J.F. Roze, D. Touchard, A. Trudel, F. Gougnaud,
J-F. Gournay, J-F. Denis, Y. Lussignol, A. Roger, R. Touzery, C. Maazouzi, P. Graehling,
J. Hosselet,

Proceedings of ICALEPCS2013 (2014) 498-501

14th Int. Conference on Accelerator & Large Experimental Physics Control Systems,
San Francisco, USA, October 6-11, 2013

2014-031 C

<http://hal.in2p3.fr/in2p3-00870849>

User interfaces for the SPIRAL2 machine protection

L. Philippe, P. Gillette, G. Normand

Proceedings of ICALEPCS2013 (2014) 818-821

14th Int. Conference on Accelerator & Large Experimental Physics Control Systems,
San Francisco, USA, October 6-11, 2013

2014-032 C

<http://hal.in2p3.fr/in2p3-00870817>

Musett: A segmented Si array for Recoil-Decay-Tagging studies at VAMOS

Ch. Theisen, F. Jeanneau, B. Sulignano, F. Druillole, J. Ljungvall, B. Paul, E. Virique, P. Baron, H. Bervas, E. Clément, E. Delagnes, A. Dijon, E. Dossat, A. Drouart, F. Farget, Ch. Flouzat, G. De France, A. Görgen, Ch. Houarner, B. Jacquot, W. Korten, G. Lebertre, B. Lecornu, L. Legeard, A. Lermilage, S. Lhenoret, C. Marry, C. Maugeais, L. Menager, O. Meunier, A. Navin, F. Nizery, A. Obertelli, E. Rauly, B. Raine, M. Rejmund, J. Ropert, F. Saillant, H. Savajols, Ch. Schmitt, M. Tripon, E. Wanlin, G. Wittwer

Nuclear Instruments and Methods in Physics Research A747 (2014) 69–80

2014-068 C

<http://hal.in2p3.fr/in2p3-00951187>

INTERDISCIPLINAIRE

Magnetic nanoconstrictions made from nickel electrodeposition in polymeric bi-conical tracks : Magneto-transport behavior

M-C. Clochard, M. El Jouad, N. Bizière, Pham Do Chung , H-J. Drouhin, E. Balanzat, D. Lairez, M. Viret, J-E. Wegrowe,

Radiation Physics and Chemistry 94 (2014) 66–71

2014-002 N

<http://dx.doi.org/10.1016/j.radphyschem.2013.06.016>

Processing of formic acid-containing ice by heavy and energetic cosmic ray analogues

A. Bergantini, S. Pilling, H. Rothard, P. Boduch and D.P.P. Andrade

MNRAS 437, 2720–2727 (2014)

2014-009 N

<http://dx.doi.org/10.1093/mnras/stt2082>

Functionalization of nanochannels by radio-induced grafting polymerization on PET track-etched membranes

S.L. Soto Espinoza, C.R. Arbeitman, M.C. Clochard, M. Grasselli

Radiation Physics and Chemistry 94 (2014) 72–75

2014-010 N

<http://dx.doi.org/10.1016/j.radphyschem.2013.05.043>

Thermal and energetic processing of ammonia and carbon dioxide bearing solid mixtures

X. Y. Lv, P. Boduch, J. J. Ding, A. Domaracka, T. Langlinay, M. E. Palumbo, H. Rothard and G. Strazzulla

Phys.Chem.Chem.Phys., 16, (2014) 3433

2014-012 N

<http://dx.doi.org/10.1039/c3cp54027h>

Sulfur implantation in CO and CO₂ ices

X.Y. Lv, P. Boduch, J.J. Ding, A. Domaracka, T. Langlinay, M.E. Palumbo, H. Rothard, G. Strazzulla

MNRAS 438, 922–929 (2014)

2014-014 N

<http://dx.doi.org/10.1093/mnras/stt2004>

Orientation dependence in multiple ionization of He₂ and Ne₂ induced by fast, highly charged ions: Probing the impact-parameter-dependent ionization probability in 11.37-MeV/u S¹⁴⁺ collisions with He and Ne

H.-K. Kim, H. Gassert, J. N. Titze, M. Waitz, J. Voigtsberger, F. Trinter, J. Becht, A. Kalinin, N. Neumann, C. Zhou, L.Ph.H. Schmidt, O. Jagutzki, A. Czasch, M. Schöffler, H. Merabet, H. Schmidt-Bocking, T. Jahnke, H. J. Lüdde, A. Cassimi, R. Dörner

PHYSICAL REVIEW A 89, 022704 (2014)

2014-015 N

<http://dx.doi.org/10.1103/PhysRevA.89.022704>

Carbon ion irradiation of the human prostate cancer cell line PC3: A whole genome microarray study

Annelies Suetens, Marjan Moreels, Roel Quintens, Sabina Chiriotti, Kevin Tabury, Arlette Michaux, Vincent Grégoire, Sarah Baatout

International Journal of Oncology 44: 1056-1072, 2014

2014-017 N

<http://dx.doi.org/10.3892/ijo.2014.2287>

Processing of low carbon content interstellar ice analogues by cosmic rays: implications for the chemistry around oxygen-rich stars

A.L.F. de Barros, E.F. da Silveira, S. Pilling, A. Domaracka, H. Rothard, P. Boduch

MNRAS 438, 2026–2035 (2014)

2014-027 N

<http://dx.doi.org/10.1093/mnras/stt2305>

Oxide glass structure evolution under swift heavy ion irradiation

C. Mendoza, S. Peugeot, T. Charpentier, M. Moskura, R. Caraballo, O. Bouty, A.H. Mir, I. Monnet, C. Grygiel, C. Jegou

Nuclear Instruments and Methods in Physics Research B 325 (2014) 54–65

2014-064 N

<http://dx.doi.org/10.1016/j.nimb.2014.02.002>

Experimental approach and atomistic simulations to investigate the radiation tolerance of complex oxides: Application to the amorphization of pyrochlores

G. Sattonnay, L. Thomé, N. Sellami, I. Monnet, C. Grygiel, C. Legros, R. Tetot

Nuclear Instruments and Methods in Physics Research B 326 (2014) 228–233

2014-065 N

<http://dx.doi.org/10.1016/j.nimb.2013.09.029>

Swift heavy ion induced recrystallization in cubic silicon carbide: New insights from designed experiments and MD simulations

A. Debelle, M. Backman, L. Thomé, K. Nordlund, F. Djurabekova, W.J. Weber, I. Monnet, O.H. Pakarinen, F. Garrido, F. Paumier

Nuclear Instruments and Methods in Physics Research B 326 (2014) 326–331

2014-069 N

<http://dx.doi.org/10.1016/j.nimb.2013.10.080>

Damage creation in porous silicon irradiated by swift heavy ions

B. Canut, M. Massoud, P. Newby, V. Lysenko, L. Frechette, J.M. Bluet, I. Monnet

Nuclear Instruments and Methods in Physics Research B 327 (2014) 99–102

2014-070 N

<http://dx.doi.org/10.1016/j.nimb.2013.09.047>

THESES GANIL:

GANIL T 2014-01

Effet de l'appariement sur la dynamique nucléaire

Monsieur Guillaume SCAMPS - GANIL

Mercredi 11 juin 2014 à 13 h 30

Spécialité : Constituants Élémentaires et physique théorique

Directeur de thèse : Monsieur Denis LACROIX

Lieu : Maison d'hôtes du GANIL - Boulevard Henri Becquerel - CAEN

RAPPORT GANIL :

GANIL R 2014-01

Écoulement de particules dans les enceintes de l'ECS-FEBIAD : étude et optimisation

M. Faye

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