

GROUPE PHYSIQUE
DOCUMENTATION



Edition du 20 janvier 2012

Date de début de la période : 1er janvier 2011

Date de fin de la période : 31 décembre 2011

Production Scientifique du GANIL : 152

Publications relatives au GANIL dans des revues à comité de lecture : 79

Actes de Conférences : 73

Physique nucléaire : 70 (29/41)

Théorie : 31 (15/16)

Instrumentation/Physique des accélérateurs : 23 (9/14)

Interdisciplinaire : 28 (24/4)

Nombre de publications « GANIL » avec texte intégral en accès libre dans HAL-IN2P3 : 57

Nombre de publications « Expérience GANIL » : 38

Thèses GANIL : 6

Thèses relatives à GANIL : 4

Rapports GANIL : 2

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

Journal	Impact Factor *	Nombre	%
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Nature	34.480	1	0,8
Physical Review Letters	7,328	1	
Physics Letters B	5.083	6	22,8
Physical Review C	3.477	20	
Journal of Instrumentation	3.148	1	
Physical Review E	2.4	1	17,1
J. Phys. G : Nucl. Part. Phys.	2.124	3	
Eur. Phys. J. A	1.968	4	
Nuclear Physics A	1.706	3	
Nuclea Data Sheets	1.417	1	
NIM A	1.317	9	
Int. J. of Theo. Phys.	0.670	1	
Int. J. Modern Physics E	0.695	11	
Acta Physica Polonica B	0.433	15	
AIP Conférence Proceedings	nr	14	34,1
EPJ Web of Conferences	nr	12	
Hyperfine Interactions	nr	2	
Journal of Physics : Conference Series	nr	7	
Journal of the Korean Physical Society	nr	1	
Proceedings of ECRIS2010	nr	3	
Proceedings of DIPAC2011	nr	2	
Proceedings of 2011 Particle Acceler. Conf.	nr	1	
Proceedings of IPAC2011	nr	4	
		123	

*J.C.R. (2010) : Web of science : <http://bibliosciences.inist.fr/>

PHYSIQUE NUCLEAIRE:

Evidence for a spin-aligned neutron–proton paired phase from the level structure of ^{92}Pd

B. Cederwall, F. Ghazi Moradi, T. Back, A. Johnson, J. Blomqvist, E. Clément, G. de France, R. Wadsworth, K. Andgren, K. Lagergren, A. Dijon, G. Jaworski, R. Liotta, C. Qi, B. M. Nyako, J. Nyberg, M. Palacz, H. Al-Azri, A. Algora, G. de Angelis, A. Ataç, S. Bhattacharyya, T. Brock, J. R. Brown, P. Davies, A. Di Nitto, Zs. Dombradi, A. Gadea, J. Gal, B. Hadinia, F. Johnston-Theasby, P. Joshi, K. Juhasz, R. Julin, A. Jungclaus, G. Kalinka, S. O. Kara, A. Khaplanov, J. Kownacki, G. La Rana, S. M. Lenzi, J. Molnar, R. Moro, D. R. Napoli, B. S. Nara Singh, A. Persson, F. Recchia, M. Sandzelius, J.-N. Scheurer, G. Sletten, D. Sohler, P.-A. Soderstrom, M. J. Taylor, J. Timar, J. J. Valiente-Dobon, E. Vardaci, S. Williams

Nature 469 (2011) 68-71

2011-001 A

<http://hal.in2p3.fr/in2p3-00551948>

Nuclear structure and reaction studies at SPIRAL

A Navin, F de Oliveira Santos, P Roussel-Chomaz and O Sorlin

J. Phys. G: Nucl. Part. Phys. 38 (2011) 024004 (41pp)

2011-003 A

<http://hal.in2p3.fr/in2p3-00548818/fr/>

Determination of the $^{209}\text{Bi}(n,\gamma)^{210}\text{Bi}$ and $^{209}\text{Bi}(n,\gamma)^{210\text{m}}\text{gBi}$ reaction cross sections in a cold neutron beam

A. Borella, T. Belgya, S. Kopecky, F. Gunsing, M. Moxon, M. Rejmund, P. Schillebeeckx, L. Szentmiklósi

Nuclear Physics A 850 (2011) 1-21

2011-004 A

<http://hal.in2p3.fr/in2p3-00548635/fr/>

Analysis of the unbound spectrum of ^{12}Li

Z.X. Xu, R.J. Liotta, C. Qi, T. Roger, P. Roussel-Chomaz, H. Savajols, R. Wyss

Nuclear Physics A 850 (2011) 53-68

2011-005 A

<http://hal.in2p3.fr/in2p3-00548622/fr/>

Measurements of nuclear γ -ray line emission in interactions of protons and α particles with N, O, Ne, and Si

H. Benhabiles-Mezhoud, J. Kiener, J.-P. Thibaud, V. Tatischeff, I. Deloncle, A. Coc, J. Duprat, C. Hamadache, A. Lefebvre-Schuhl, J.-C. Dalouzy, F. de Grancey, F. de Oliveira, F. Dayras, N. de Séreville and M.-G. Pellegriti, L. Lamia, S. Ouichaoui

Physical Review C 83 (2011) 024603

2011-007 A

<http://hal.in2p3.fr/in2p3-00564697/fr/>

Evidence for the predominant influence of the asymmetry degree of freedom on the even–odd structure in fission-fragment yields

M. Caamano, F. Rejmund and K.-H. Schmidt

J. Phys. G: Nucl. Part. Phys. 38 (2011) 035101 (13pp)

2011-008 A

<http://hal.in2p3.fr/in2p3-00414126/fr/>

GANIL-SPIRAL2: a new era

S. Gales

Journal of Physics: Conference Series 267 (2011) 012009

10th International Spring Seminar on Nuclear Physics: New Quests in Nuclear Structure, Vietri sul Mare, 21-25 may 2010, Italy

2011-009 A

<http://hal.in2p3.fr/in2p3-00568806>

Pair and single neutron transfer with Borromean ^8He

A. Lemasson, A. Navin, M. Rejmund, N. Keeley, V. Zelevinsky, S. Bhattacharyya, A. Shrivastava, D. Bazin, D. Beaumel, Y. Blumenfeld, A. Chatterjee, D. Gupta, G. de France, B. Jacquot, M. Labiche, R. Lemmon, V. Nanal, J. Nyberg, R.G. Pillay, R. Raabe, K. Ramachandran, J.A. Scarpaci, C. Schmitt, C. Simenel, I. Stefan, C.N. Timis

Physics Letters B 697 (2010) 454-458

2011-012 A

<http://hal.in2p3.fr/in2p3-00565792/fr/>

Isospin-dependent multifragmentation of relativistic projectiles

R. Ogul, A. S. Botvina, U. Atav, N. Buyukcizmeci, I. N. Mishustin, P. Adrich, T. Aumann, C. O. Bacri, T. Barczyk, R. Bassini, S. Bianchin, C. Boiano, A. Boudard, J. Brzychczyk, A. Chbihi, J. Cibor, B. Czech, M. De Napoli, J.-E. Ducret, H. Emling, J. D. Frankland, M. Hellstrom, D. Henzlova, G. Imme, I. Iori, H. Johansson, K. Kezzar, A. Lafriakh, A. Le Fevre, E. Le Gentil, Y. Leifels, J. Luhnig, J. Łukasik, W. G. Lynch, U. Lynen, Z. Majka, M. Mocko, W. F. J. Muller, A. Mykulyak, H. Orth, A. N. Otte, R. Palit, P. Pawłowski, A. Pullia, G. Raciti, E. Rapisarda, H. Sann, C. Schwarz, C. Sfienti, H. Simon, K. Summerer, W. Trautmann, M. B. Tsang, G. Verde, C. Volant, M. Wallace, H. Weick, J. Wiechula, A. Wieloch, and B. Zwieglinski

Physical Review C 83 (2011) 024608

2011-015 A

<http://hal.in2p3.fr/in2p3-00575035/fr/>

Poincaré shape transitions in hot rotating nuclei

K. Mazurek, J. Dudek, M. Kmiecik, A. Maj, J.P. Wieleczko, D. Rouvel

Acta Physica Polonica B Vol. 42 (2011) 471

XLV Zakopane Conference on Nuclear Physics “Extremes of the Nuclear Landscape”, August 30–September 5, 2010, Zakopane, Poland.

2011-018 A

<http://hal.in2p3.fr/in2p3-00529275/fr/>

Shells and shapes in the ^{44}S nucleus

L. Cáceres, D. Sohler, S. Grévy, C. Force, O. Sorlin, Zs. Dombrádi, L. Gaudefroy, N.L. Achouri, J.C. Angélique F. Azaiez, D. Bayborodin, B. Bastin, R. Borcea, C. Bourgeois, A. Buta, A. Bürger, R. Chapman, J.C. Dalouzy, Z. Dlouhy, A. Drouard, Z. Elekes, S. Franchoo, S. Iacob, B. Laurent M. Lazar, X. Liang, E. Liénard, J. Mrazek, L. Nalpas, F. Negoita, N.A. Orr, Y. Penionzhkevich, Zs. Podolyák, F. Pougheon, P. Roussel-Chomaz, M.G. Saint-Laurent, M. Stanoiu, I. Stefan, F. Nowacki, A. Poves

Acta Physica Polonica B Vol. 42 (2011) 533

XLV Zakopane Conference on Nuclear Physics “Extremes of the Nuclear Landscape”, August 30–September 5, 2010, Zakopane, Poland

2011-020 A

<http://hal.in2p3.fr/in2p3-00529270/fr/>

Lifetime measurement of 2+1 state in ^{74}Zn with differential Plunger technique

M. Niikura, B. Mougnot, F. Azaiez, G. De Angelis, M. Assie, P. Bednarczyk,

C. Borcea, A. Burger, G. Burgunder, A. Buta, L. Cáceres, E. Clément, L. Coquard, G. De France, F. De Oliveira, A. Dewald, A. Dijon, Z. Dombradi, E. Fiori, S. Franchoo, C. Fransen, G. Friessner, L. Gaudefroy, G. Georgiev, S. Grévy, M. Hackstein, M.N. Harakeh, F. Ibrahim, M. Kmiecik, R. Lozeva, A. Maj, I. Matea, C. Mihai, O. Möller, S. Myalski, F. Negoita, D. Pantelica, L. Perrot, T. Pissula, F. Rotaru, W. Rother, J.A. Scarpaci, I. Stefan, C. Stodel, J.C. Thomas, P. Ujic, D. Verney

Acta Physica Polonica B Vol. 42 (2011) 537

XLV Zakopane Conference on Nuclear Physics “Extremes of the Nuclear Landscape”, August 30–September 5, 2010, Zakopane, Poland
2011-021 A

<http://hal.in2p3.fr/in2p3-00578615/fr/>

Search for $2d_{5/2}$ neutron states in ^{69}Ni

M. Moukaddam, G. Duchêne, D. Beaumel, J. Burgunder, L. Cáceres, E. Clément, D. Curien, F. Didierjean, B. Fernandez, Ch. Finck, F. Flavigny, S. Franchoo, J. Gibelin, S. Giron, A. Gillibert, A. Goasduff, S. Grévy, J. Guillot, F. Haas, F. Hammache, M.N. Harakeh, K. Kemper, V. Lapoux, Y. Matea, A. Matta, L. Nalpas, F. Nowacki, A. Obertelli, J. Pancin, L. Perrot, J. Piot, E. Pllumbi, R. Raabe, J.A. Scarpaci, N. de Séreville, K. Sieja, O. Sorlin, I. Stefan, C. Stodel, J.C. Thomas

Acta Physica Polonica B Vol. 42 (2011) 541

XLV Zakopane Conference on Nuclear Physics “Extremes of the Nuclear Landscape”, August 30–September 5, 2010, Zakopane, Poland
2011-022 A

<http://hal.in2p3.fr/in2p3-00578739/fr/>

Two-proton radioactivity as a tool of nuclear structure studies

B. Blank, P. Ascher, L. Audirac, G. Canchel, J. Giovinazzo, T. Kurtukian-Nieto, F. de Oliveira Santos, S. Grévy, J.-C. Thomas, C. Borcea, L.V. Grigorenko

Acta Physica Polonica B Vol. 42 (2011) 545

XLV Zakopane Conference on Nuclear Physics “Extremes of the Nuclear Landscape”, August 30–September 5, 2010, Zakopane, Poland
2011-023 A

<http://hal.in2p3.fr/in2p3-00532637/fr/>

Clusters in light nuclei

C. Beck, P. Papka, A. Sánchez, Zafra, S. Thummerer, F. Azaiez, P. Bednarczyk, S. Courtin, D. Curien, O. Dorvaux, A. Goasduff, D. Lebhertz, A. Nourreddine, M. Rousseau, M.-D. Salsac, W. von Oertzen, B. Gebauer, C. Wheldon, Tz. Kokalova, G. Efimov, V. Zherebchevsky, Ch. Schulz, H.G. Bohlen, D. Kamanin, G. de Angelis, A. Gadea, S. Lenzi, D.R. Napoli, S. Szilner, M. Milin, W.N. Catford, D.G. Jenkins, G. Royer

Acta Physica Polonica B Vol. 42 (2011) 747

XLV Zakopane Conference on Nuclear Physics “Extremes of the Nuclear Landscape”, August 30–September 5, 2010, Zakopane, Poland
2011-026 A

<http://hal.in2p3.fr/in2p3-00536357/fr/>

Radiative capture in the $^{12}\text{C}+^{16}\text{O}$ system: structural versus statistical aspects of the decay

S. Courtin, A. Goasduff, F. Haas, D. Lebhertz, D.G. Jenkins, P.A. Marley, D.A. Hutcheon, C.A. Davis, C. Ruiz

Acta Physica Polonica B Vol. 42 (2011) 757

XLV Zakopane Conference on Nuclear Physics “Extremes of the Nuclear Landscape”, August 30–September 5, 2010, Zakopane, Poland

2011-027 A

<http://hal.in2p3.fr/in2p3-00578801/fr/>

Enhanced $0^+_{g.s.} \rightarrow 2^+_1$ E2 transition strength in $^{112,114}\text{Sn}$

R. Kumar, P. Doornenbal, A. Jhingan, R.K. Bhowmik, S. Appannababu, P. Bednarczyk, L. Cáceres, J. Cederkäll, A. Ekström, R. Garg, J. Gerl, M. Górska, H. Grawe, J. Kaur, I. Kojouharov, S. Mandal, S. Mukherjee, S. Muralithar, W. Prokopowicz, P.P. Singh, P. Reiter, H. Schaffner, A. Sharma, R.P. Singh, D. Siwal, H.J Wollersheim

Acta Physica Polonica B Vol. 42 (2011) 813

XLV Zakopane Conference on Nuclear Physics “Extremes of the Nuclear Landscape”, August 30–September 5, 2010, Zakopane, Poland

2011-028 A

<http://hal.in2p3.fr/in2p3-00578932/fr/>

Lifetime measurements in neutron-rich Fe and Co isotopes

A. Dijon, J. Ljungvall, E. Clément, G. de France, P. Van Isacker, A. Görge, A. Obertelli, W. Korten, J.P. Delaroche, A. Dewald, A. Gadea, L. Gaudefroy, M. Girod, M. Hackstein, J. Liberth, D. Mengoni, T. Pissula, F. Recchia, M. Rejmund, W. Rother, E. Sahin, C. Schmitt, A. Shrivastava, J.J. Valiente-Dobón, K.O. Zellf, M. Zielinska

Acta Physica Polonica B Vol. 42 (2011) 829

XLV Zakopane Conference on Nuclear Physics “Extremes of the Nuclear Landscape”, August 30–September 5, 2010, Zakopane, Poland

2011-029 A

<http://hal.in2p3.fr/in2p3-00529279/fr/>

Status of the SPIRAL2 project

M. Lewitowicz

Acta Physica Polonica B Vol. 42 (2011) 877

XLV Zakopane Conference on Nuclear Physics “Extremes of the Nuclear Landscape”, August 30–September 5, 2010, Zakopane, Poland

2011-030 A

<http://hal.in2p3.fr/in2p3-00529277/fr/>

Discrimination between fission and quasi-fission from reaction time measurements

M. Morjean, D. Jacquet, M. Laget and J.F. Berger

Journal of Physics: Conference Series 282 (2011) 012009

International Symposium : Quasifission Process in Heavy Ion Reactions, Messina (Italy), November 8-9, 2010

2011-031 A

<http://hal.in2p3.fr/in2p3-00580596/fr/>

Search for tetrahedral symmetry in nuclei: a short overview

D. Curien, J. Dudek, H. Molique, L. Sengele, A. Gozdz, K. Masurek

International Journal of Modern Physics E Vol. 20, No. 2 (2011) 219-227

17th Workshop on Nuclear Physics "Marie and Pierre Curie", Kazimierz Dolny, : Pologne (2010)
2011-033 A

<http://hal.in2p3.fr/in2p3-00581639/fr/>

Experimental measurement of the deformation through the electromagnetic probe: shape coexistence in exotic Kr and Sr isotopes

E. Clément, G. De France, J.M. Casandjian, A. Görgen, W. Korten, E. Bouchez, A. Chatillon, A. Hurstel, Y. Le Coz, A. Obertelli, C. Theisen, J.N. Wilson, J.-P. Delaroche, M. Girod, H. Goutte, S. Péruc, T. Czosnyka, J. Iwanicki, P.J. Napiorkowski, J. Srebrny, K. Wrzosek-Lipska, M. Zielinska, N. Bree, I. Stefanescu, J. Van De Walle, C. Andreoiu, P.A. Butler, R.-D. Herzberg, D.G. Jenkins, G.D. Jones, A. Petts, F. Becker, J. Gerl, W.N. Catford, C.N. Timis, G. Sletten, G. Georgiev, J. Ljungvall

International Journal of Modern Physics E Vol. 20, No. 2 (2011) 415-421

17th Workshop on Nuclear Physics "Marie and Pierre Curie", Kazimierz Dolny, : Pologne (2010)
2011-035 A

<http://hal.in2p3.fr/in2p3-00529304/fr/>

Measurement of the β - v correlation coefficient $a_{\beta v}$ in the β decay of trapped ${}^6\text{He}^+$ ions

X Fléhard, Ph Velten, E Liénard, A Méry, D Rodriguez, G Ban, D Durand, F Mauger, O Naviliat-Cuncic, J C Thomas

J. Phys. G: Nucl. Part. Phys. 38 (2011) 055101

2011-040 A

<http://hal.in2p3.fr/in2p3-00581086/fr/>

Precision half-life and Q-value measurement of the super-allowed β emitter ${}^{30}\text{S}$

J. Souin, T. Eronen, P. Ascher, L. Audirac, J. Aysto, B. Blank, V.-V. Elomaa, J. Giovinazzo, J. Hakala, A. Jokinen, V.S. Kolhinen, P. Karvonen, I.D. Moore, S. Rahaman, J. Rissanen, A. Saastamoinen, J.C. Thomas

Eur. Phys. J. A (2011) 47-40

2011-045 A

<http://hal.in2p3.fr/in2p3-00587589/fr/>

Search for Jacobi Shape Transition in Hot Rotating ${}^{88}\text{Mo}$ Nuclei Through Giant Dipole Resonance Decay

M. Ciemała, M. Kmiecik, V.L. Kravchuk, A. Maj, S. Barlini, G. Casini, F. Gramegna, F. Camera, A. Corsi, L. Bardelli, P. Bednarczyk, B. Fornal, M. Matejska-Minda, K. Mazurek, W. Męczyński, S. Myalski, J. Styczeń, B. Szpak, M. Ziębliński, M. Cinausero, T. Marchi, V. Rizzi, G. Prete, M. Degerlier, G. Benzoni, N. Blasi, A. Bracco, S. Brambilla, F. Crespi, S. Leoni, B. Million, O. Wieland, D. Montanari, R. Nicolini, A. Giaz, V. Vandone, G. Baiocco, M. Bruno, M. D'Agostino, L. Morelli, G. Vannini, M. Chiari, A. Nannini, S. Piantelli, A. Chbihi, J.P. Wieleczko, I. Mazumdar, O. Roberts, J. Dudek

Acta Physica Polonica B Vol. 42 (2011) 633

XLV Zakopane Conference on Nuclear Physics "Extremes of the Nuclear Landscape", August 30–September 5, 2010, Zakopane, Poland

2011-047 A

<http://hal.in2p3.fr/in2p3-00588209>

β -decay measurements for $N > 40$ Mn nuclei and inference of collectivity for neutron-rich Fe isotopes

J. M. Daugas, I. Matea, J.-P. Delaroche, M. Pfützner, M. Sawicka, F. Becker, G. Béliet, C. R.

Bingham, R. Borcea, E. Bouchez, A. Buta, E. Dragulescu, G. Georgiev, J. Giovinazzo, M. Girod, H. Grawe, R. Grzywacz, F. Hammache, F. Ibrahim, M. Lewitowicz, J. Libert, P. Mayet, V. Méot, F. Negoita, F. de Oliveira Santos, O. Perru, O. Roig, K. Rykaczewski, M. G. Saint-Laurent, J. E. Sauvestre, O. Sorlin, M. Stanoiu, I. Stefan, Ch. Stodel, Ch. Theisen, D. Verney, and J. Zylicz

Physical Review C 83 (2011) 054312

2011-050 A

<http://hal.in2p3.fr/in2p3-00590880/fr/>

Probing the $^{12}\text{C} - ^{12}\text{C}$ AND $^{12}\text{C} - ^{16}\text{O}$ molecular states by radiative capture reactions: present status and future

D. Lebhertz, S. Courtin, F. Haas, D. G. Jenkins, M. Ciemala, A. Goasduff, D.A. Hutcheon, M. Labichef, A. Michalon, O. Roberts, M.-D. Salsac, O. Stezowski and the PARIS collaboration

International Journal of Modern Physics E Vol. 20, No. 4 (2011) 793–796

2nd Workshop on "State of the Art in Nuclear Cluster Physics" (SOTANCP2), Bruxelles : Belgique (2010)

2011-056 A

<http://hal.in2p3.fr/in2p3-00521508/fr/>

Spectroscopy of the unbound nucleus ^{18}Na

M. Assié, F. De Oliveira Santos, F. De Grancey, L. Achouri, J. Alcantara-Nunez, J.-C. Angélique, C. Borcea, L. Caceres, I. Celikovic, V. Chudoba, D.Y. Pang, T. Davinson, C. Ducoin, M. Fallot, J. Kiener, A. Lefebvre-Schuhl, G. L. Lotay, J. Mrazek, L. Perrot, A. M. Sanchez-Benitez, F. Rotaru, M.-G. Saint-Laurent, Yu. Sobolev, M. Stanoiu, R. Stanoiu, I. Stefan, K. Subotic, P.J. Woods, P. Ujic and R. Wolski

International Journal of Modern Physics E Vol. 20, No. 4 (2011) 971-975

2nd Workshop on "State of the Art in Nuclear Cluster Physics" (SOTANCP2), Bruxelles : Belgique (2010)

2011-059 A

<http://hal.in2p3.fr/in2p3-00517862/fr/>

Probing pre-formed alpha particles in the ground state of nuclei

J.A. Scarpaci, M. Fallot, D. Lacroix, M. Assié, L. Lefebvre, N. Frascaria, D. Beaumel, C. Bhar, Y. Blumenfeld, A. Chbihi, Ph. Chomaz, P. D'Esqueselle, J. Frankland, H. Idbarkach, E. Khan, J.L. Laville, E. Plagnol, E.C. Pollacco, P. Roussel-Chomaz, J.C. Roynette, A. Shrivastava And T. Zerguerras

International Journal of Modern Physics E Vol. 20, No. 4 (2011) 1038-1041

2nd Workshop on "State of the Art in Nuclear Cluster Physics" (SOTANCP2), Bruxelles : Belgique (2010)

2011-060 A

<http://hal.in2p3.fr/in2p3-00601930/fr/>

On the emission of heavy clusters from medium mass compound nucleus

G. Ademard, J.P. Wieleczo, E. Bonnet, A. Chbihi And J.D Frankland

International Journal of Modern Physics E Vol. 20, No. 4 (2011) 1038-1041

2nd Workshop on "State of the Art in Nuclear Cluster Physics" (SOTANCP2), Bruxelles : Belgique (2010)

2011-061 A

<http://hal.in2p3.fr/in2p3-00601934/fr/>

Coulomb excitation of ^{31}Mg

M. Seidlitz, D. Mùchera, P. Reitera, V. Bildstein, A. Blazhev, N. Breed, B. Bruyneel,

J. Cederkall, E. Clement, T. Davinson, P. Van Duppen, A. Ekström, F. Finke, L.M. Fraile, K. Geibel, R. Gernhäuser, H. Hess, A. Holler, M. Huyse, O. Ivanov, J. Jolie, M. Kalkühler, T. Kotthaus, R. Krücken, R. Lutter, E. Piselli, H. Scheit, I. Stefanescu, J. Van de Walle, D. Voulot, N. Warr, F. Wenander, A. Wiens

Physics Letters B 700 (2011) 181-186

2011-062 A

<http://hal.in2p3.fr/in2p3-00593710/fr/>

Decay of excited nuclei produced in $^{78,82}\text{Kr}+^{40}\text{Ca}$ reactions at 5.5 MeV/nucleon

G. Ademard, J. P. Wieleczko, J. Gomez del Campo, M. La Commara, E. Bonnet, M. Vigilante, A. Chbihi, J. D. Frankland, E. Rosato, G. Spadaccini, Sh. A. Kalandarov, C. Beck, S. Barlini, B. Borderie, R. Bougault, R. Dayras, G. De Angelis, J. De Sanctis, V. L. Kravchuk, P. Laitesse, N. Le Neindre, J. Moisan, A. D'Onofrio, M. Parlog, D. Pierrousakou, M. F. Rivet, M. Romoli, R. Roy, G. G. Adamian, and N. V. Antonenko

Physical Review C 83 (2011) 054619

2011-064 A

<http://hal.in2p3.fr/in2p3-00587476/fr/>

Lifetime measurements in ^{63}Co and ^{65}Co

A. Dijon, E. Clément, G. de France, P. Van Isacker, J. Ljungvall, A. Gørgen, A. Obertelli, W. Korten, A. Dewald, A. Gadea, L. Gaudefroy, M. Hackstein, D. Mengoni, Th. Pissulla, F. Recchia, M. Rejmund, W. Rother, E. Sahin, C. Schmitt, A. Shrivastava, J. J. Valiente-Dobon, K.O. Zell, and M. Zielinska

Physical Review C 83, 064321 (2011)

2011-066 A

<http://hal.in2p3.fr/in2p3-00600325/fr/>

A new cross-section measurement of reactions induced by ^3He particles on a carbon target

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X. Fléchar, G. Ban · D. Durand · E. Liénard · F. Mauger · A. Méry · O. Naviliat-Cuncic · D. Rodríguez · P. Velten

Hyperfine Interactions (2011) 199:21–27

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A. Lemasson

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RES with RIB

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EPJ Web of Conferences 17 (2011) 06003

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Sh.A. Kalandarov, G.G. Adamian, N.V. Antonenko, and J.P. Wieleczko

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The SPIRAL2 Project and experiments with high-intensity rare isotope beams

M. Lewitowicz

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^{69}Kr β -delayed proton emission: A Trojan horse for studying states in proton-unbound ^{69}Br

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M. Assié, F. de Oliveira and e521as collaboration

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2011-140 A

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A reef in the sea of instability: Observation of a narrow state in ^{15}F

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MUSETT and the Spectroscopy of Heavy Elements at GANIL

Barbara Sulignano for the MUSETT collaboration

AIP Conference Proceedings 1377 (2011) 18-22

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Theo J. Mertzimekis for the GANIL E513 collaboration

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THEORIE:

The scientific legacy of J.P. Elliott

P. Van Isacker

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Three-body interactions in the $1f_{7/2}$ shell?

P. Van Isacker and I. Talmi

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Description of pairing correlation in many-body finite systems with density functional theory

Guillaume Hupin and Denis Lacroix

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Near-threshold configuration mixing

J. Okołowicz, M. Płoszajczak

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2011-017 T

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Partial conservation of seniority in nuclei

P. Van Isacker

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M. Bender, T. Duguet, P.-H. Heenen, D. Lacroix

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A. Dobrowolski, A. Gozdz, K. Mazurek, J. Dudek

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M. Płoszajczak, J. Okołowicz

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2011-051 T

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Irving O. Morales, A. Frank

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Caiwan Shen, David Boilley, Qingfeng Li, Junjie Shen, and Yasuhisa Abe

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Phases of cluster states

J. Cseh, N. Itagaki, M. Płoszajczak, H. Yeppez-Martinez, L. Parra-Rodriguez and P.O. Hess

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Spin-aligned neutron-proton pairs in $N = Z$ nuclei

S. Zerguine and P. Van Isacker

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L. Maunoury, J.Y Pacquet, M. Dubois, P. Delahaye, P. Jardin, P. Leherissier, M. Michel, C.

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NIM A 659 (2011) 14-20

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J.C. Nappé, M. Benabdesselam, Ph. Grosseau, B. Guilhot

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2011-002 N

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H. Rothard, P. Boduch

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A. Meftah, W. Assmann, N. Khalfaoui, J.P. Stoquert, F. Studer, M. Toulemonde, C. Trautmann,
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S. Maclot, M. Capron, R. Maissonny, A. Lawicki, A. Mery, J. Rangama, J.Y. Chesnel, S. Bari, R. Hoekstra, T. Schlatholter, B. Manil, L. Adoui, P. Rousseau, B.A. Huber

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2011-046 N

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Carbon-Ion-Induced Activation of the NF-κB Pathway

Christine E. Hellweg, Christa Baumstark-Khan, Claudia Schmitz, Patrick Lau, Matthias M. Meier, Isabelle Testard, Thomas Berger and Günther Reitza

Radiation Research 175, 424–431 (2011)

2011-049 N

<http://dx.doi.org/10.1667/RR2423.1>

Slowing down of fast electrons as probe for charging and discharging dynamics of ion-irradiated insulators

E. De Filippo, G. Lanzano, F. Amorini, E. Geraci, L. Grassi, E. La Guidara, I. Lombardo, G. Politi, F. Rizzo, P. Russotto, C. Volant, S. Hagmann, and H. Rothard

Physical Review A 83 (2011) 064901

2011-063 N

<http://dx.doi.org/10.1103/PhysRevA.83.064901>

Comparison on plasticity of current-driven vortex lattices in as-grown and heavy ion irradiated microbridge Bi₂Sr₂Ca₁Cu₂O_{8+d} single crystals

V.A. Shaidiuk, L. Ammor, A. Ruyter

Journal of Physics and Chemistry of Solids 72 (2011) 536–540

2011-069 N

<http://dx.doi.org/10.1016/j.jpics.2010.10.009>

Pinning efficiency of splayed columnar defects in Bi-2212 single crystal: Evidence of a cage pinning effect

V.A. Shaidiuk, A.Ruyter, D.Plessis, Ch.Simon, A.Maignan, A.Wahl, S.de Brion, L.Ammor
Journal of Physics and Chemistry of Solids 72 (2011) 541-544
2011-070 N
<http://dx.doi.org/10.1016/j.jpcs.2010.10.026>

Multiple-ionization and dissociation dynamics of a rare gas dimer induced by highly charged ion impact

J Matsumoto, A Leredde, X Flechard, K Hayakawa, H Shiromaru, J Rangama, C L Zhou, S Guillous, D Hennecart, T Muranaka, A Mery, B Gervais and A Cassimi

Phys. Scr. T144 (2011) 014016 (5pp)

15th International Conference on the Physics of Highly Charged Ions, HCI2010, Shanghai (China), 29 august-3 september 2010

2011-072 N

<http://dx.doi.org/10.1088/0031-8949/2011/T144/014016>

<http://hal.in2p3.fr/in2p3-00643217/fr/>

Cosmic ray impact on astrophysical ices: laboratory studies on heavy ion irradiation of methane

A.L.F. de Barros, V. Bordalo, E. Seperuelo Duarte, E.F da Silveira, A. Domaracka, H. Rothard, and P. Boduch

Astronomy & Astrophysics 531, A160 (2011)

2011-081 N

<http://dx.doi.org/10.1051/0004-6361/201016021>

Polycyclic aromatic hydrocarbon-isomer fragmentation pathways: Case study for pyrene and fluoranthene molecules and clusters

F. Seitz, A. I. S. Holm, H. Zettergren, H. A. B. Johansson, S. Rosén, H. T. Schmidt, A. Ławicki, J. Rangama, P. Rousseau, M. Capron, R. Maisonny, A. Domaracka, L. Adoui, A. Méry, B. Manil, B. A. Huber, and H. Cederquist

Journal of Chemical Physics 135 (6): AUG 14 2011

2011-086 N

<http://dx.doi.org/10.1063/1.3622589>

Radiolysis of astrophysical ice analogs by energetic ions: the effect of projectile mass and ice temperature

Sergio Pilling, Eduardo Seperuelo Duarte, Alicja Domaracka, Hermann Rothard, Philippe Boduch and Enio F. da Silveira

Phys. Chem. Chem. Phys., 2011, 13, 15755–15765

2011-089 N

<http://dx.doi.org/10.1039/c1cp20592g/>

Irradiation damage in Gd₂Ti₂O₇ single crystals: Ballistic versus ionization processes

S. Moll, G. Sattonnay, L. Thomé, J. Jagielski, C. Decorse, P. Simon, I. Monnet, and W.J. Weber
Phys. Rev. B 84, 064115 (2011) [11 pages]

2011-095 N

<http://dx.doi.org/10.1103/PhysRevB.84.064115>

Activation of the Nuclear Factor κ B pathway by heavy ion beams of different linear energy transfer

Christine E. Hellweg, Christa Baumstark-Khan, Claudia Schmit, Patrick Lau, Matthias M. Meier, Isabelle Testard, Thomas Berger & Günther Reitz

International Journal of Radiation Biology, September 2011; 87(9): 954–963

2011-101 N

<http://dx.doi.org/10.3109/09553002.2011.584942>

Stability of nano-oxides upon heavy ion irradiation of an ODS material

J. Ribis, M.-L. Lescoat, Y. de Carlan, J.-M. Costantini, I. Monnet, T. Cozzika, F. Delabrouille, J. Malaplate

Journal of Nuclear Materials 417 (2011) 262-265

2011-107 N

14th International Conference on Fusion Reactor Materials (ICFRM), Sapporo (Japan) 07 sept-12 sept 2009

<http://dx.doi.org/10.1016/j.jnucmat.2010.12.068>

Amorphization of oxides in ODS materials under low and high energy ion irradiations

M.-L. Lescoat, I. Monnet, J. Ribis, P. Dubuisson, Y. de Carlan, J.-M. Costantini, J. Malaplate

Journal of Nuclear Materials 417 (2011) 266-269

14th International Conference on Fusion Reactor Materials (ICFRM), Sapporo (Japan) 07 sept-12 sept 2009

2011-108 N

<http://dx.doi.org/10.1016/j.jnucmat.2011.01.065>

Nuclear reaction measurements of 95 MeV/u ^{12}C interactions on PMMA for hadrontherapy

B. Braunn, M. Labalme, G. Ban, M. Chevallier, J. Colin, D. Cussol, D. Dauvergne, J.M. Fontbonne, F. Haas, A. Guertin, D. Lebhertz, F. Le Foulher, C. Pautard, C. Ray, M. Rousseau, M.D. Salsac, L. Stuttge, E. Testa, M. Testa

NIM B 269 (2011) 2676-2684

2011-109 N

<http://hal.in2p3.fr/in2p3-00619633/fr/>

Ionization and fragmentation of polycyclic aromatic hydrocarbon clusters in collisions with keV ions

H.A.B. Johansson, H. Zettergren, A.I.S. Holm, F. Seitz, H. T. Schmidt, P. Rousseau, A. Ławicki, M. Capron, A. Domaracka, E. Lattouf, S. Maclot, R. Maisonny, B. Manil, J.-Y. Chesnel, L. Adoui, B. A. Huber, and H. Cederquist

Physical Review A 84 (2011) 043201

2011-122 N

<http://dx.doi.org/10.1103/PhysRevA.84.043201>

A new mini gas ionization chamber for IBA applications

A.M. Müller, A. Cassimi, M. Döbeli, M. Mallepell, I. Monnet, M.J. Simon, M. Suter, H.-A. Synal

NIM B 269 (2011) 3037-3040

10th European Conf. on Accelerators in Applied research and Technology (ECAART10), Athens, Greece, September 13-17, 2010

2011-136 N

<http://dx.doi.org/10.1016/j.nimb.2011.04.078>

Radiolysis of frozen methanol by heavy cosmic ray and energetic solar particle analogues

A.L.F. de Barros, A. Domaracka, D.P.P. Andrade, P. Boduch, H. Rothard and E.F. da Silveira

Mon. Not. R. Astron. Soc. 418, 1363–1374 (2011)

2011-137 N

<http://dx.doi.org/10.1111/j.1365-2966.2011.19587.x>

Synthesis and magnetic reversal of bi-conical Ni nanostructures

N. Biziere, R. Lassalle Ballier, M. C. Clochard, M. Viret, T. L. Wade, E. Balanzat, and J. E. Wegrowe

Journal of Applied Physics 110 (2011) 063906

2011-138 N

<http://dx.doi.org/10.1063/1.3638072>

High Energy Ion Irradiation-Induced Ordered Macropores in Zeolite Crystals

V. Valtchev, E. Balanzat, V. Mavrodinova, I. Diaz, J. El Fallah, J.M. Goupil

Journal of The American Chemical Society, 133 (46):18950-18956

2011-151 N

<http://dx.doi.org/10.1021/ja208140f>

Raman spectroscopy study of damage induced in fluorapatite by swift heavy ion irradiations

S. Miro, J.M. Costantini, J.F. Bardeau, D. Chateigner, F. Studer, E. Balanzat

Journal of Raman Spectroscopy, 42 (11):2036-2041

2011-152 N

<http://dx.doi.org/10.1002/jrs.2955>

GANIL T 2011-01

Approches fonctionnelles de la densité pour les systèmes finis appariés

Monsieur Guillaume HUPIN - GANIL

Mardi 6 septembre 2011 à 9 h 30

Spécialité : Constituants Élémentaires et Physique Théorique

Directeur de thèse : Monsieur Denis LACROIX

<http://tel.archives-ouvertes.fr/tel-00626383/fr/>

GANIL T 2011-02

Titre de la thèse : Spatial particle correlations in ^6He and ^8He

Mademoiselle Pu MEI - GANIL

Lundi 19 septembre 2011 à 14 h

Spécialité : Constituants Élémentaires et Physique Théorique

Directeur de thèse : Monsieur Pieter VAN ISACKER

Lieu : Maison d'Hôtes du GANIL - boulevard Henri Becquerel

<http://tel.archives-ouvertes.fr/tel-00636356/fr/>

GANIL T 2011-03

Titre de la thèse : Fluorescence X appliquée à l'étude du temps de fission de l'élément de $Z = 120$

Monsieur Marc-Olivier FREGEAU - GANIL

Lundi 10 octobre 2011 à 10 h 30

Spécialité : Constituants Élémentaires et Physique

Directeur de thèse : Monsieur Maurice MORJEAN

Lieu : Maison d'Hôtes du GANIL - Boulevard Henri Becquerel

<http://tel.archives-ouvertes.fr/tel-00636381/fr/>

GANIL T 2011-04

Titre de la thèse : La réaction ^{78}Kr (alpha, gamma) d'intérêt astrophysique en cinématique inverse et l'effet d'écrantage électronique dans la décroissance bêta

Monsieur Predrag UJIC – GANIL

Vendredi 2 décembre 2011 à 10 h

Spécialité : Constituants Élémentaires et Physique Théorique

Directeur de thèse : Monsieur Marek LEWITOWICZ

Lieu : Maison d'Hôtes du GANIL

<http://tel.archives-ouvertes.fr/tel-00648878/fr/>

GANIL T 2011-05

Titre de la thèse : Décroissance de noyaux excités produits dans les réactions $^{78,82}\text{Kr}+^{40}\text{Ca}$ à 5,5 AméV

Monsieur Guilain ADEMARD - GANIL

Mercredi 7 décembre 2011 à 14 h

Spécialité : Constituants Élémentaires et Physique Théorique

Directeur de thèse : Monsieur Jean-Pierre WIELECZKO

Lieu : Maison d'Hôtes du GANIL - boulevard Henri Becquerel – CAEN

GANIL T 2011-06

Étude de l'interaction nucléaire spin-orbite par réactions de transfert $^{36}\text{S}(d,p)^{37}\text{S}$ et $^{34}\text{Si}(d,p)^{35}\text{Si}$.

G. Burgunder
Mercredi 21 décembre 2011
Spécialité : Constituants Elementaires et Physique Théorique
Directeur de thèse :
Lieu : Maison d'Hôtes du GANIL - boulevard Henri Becquerel – CAEN

THÈSES RELATIVES À GANIL

Titre de la thèse : Mesure du paramètre de corrélation angulaire bêta-neutrino dans la décroissance de l'⁶He

Monsieur Philippe VELTEN - Laboratoire LPC

Vendredi 24 juin 2011 à 10 h

Spécialité : Constituants Elémentaires et Physique Théorique

Directeur de thèse : Monsieur Oscar NAVILIAT-CUNCIC

Lieu : salle Gilles ILTIS - Laboratoire LPC - ENSICAEN - Campus 2

<http://tel.archives-ouvertes.fr/tel-00626170/fr/>

Titre de la thèse : Comportement mécaniques et tribologiques du Ti-6Al-4V traité par implantation d'ions carbone et oxygène multichargés. Développement des moyens associés.

Monsieur Christophe PIERRET - Laboratoire CIMAP

Mardi 19 juillet 2011 à 11 h

Spécialité : Milieux denses, Matériaux et Composants

Directeur de thèse : Monsieur Serge BOUFFARD

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

Titre de la thèse : Etude de la pulvérisation du fluorure de lithium LiF par technique d'imagerie XY-TOF-SIMS

Monsieur Hussein HIJAZI - Laboratoire CIMAP

Jeudi 6 octobre 2011 à 14 h

Spécialité : Milieux denses, matériaux et composants

Directeur de thèse : Monsieur Hermann ROTHARD

Lieu : amphithéâtre 057, bâtiment Sciences 3 , Campus 2

<http://tel.archives-ouvertes.fr/tel-00634553/fr/>

Structure des systèmes non liés ^{10,12}Li et ¹³Be

Giacomo Randisi

LPC Caen

Université de Caen

<http://tel.archives-ouvertes.fr/tel-00656582/fr/>

RAPPORT GANIL

GANIL R 2011 01

Quantum nuclear many-body dynamics and related aspects

Denis Lacroix

<http://hal.in2p3.fr/in2p3-00620335/fr/>

GANIL R 2011 02

Pertes de coïncidences gamma-gamma dans des sources épaisses

G. Lhersonneau, O. Bajeat

<http://hal.in2p3.fr/in2p3-00644009/fr/>

