

List of Publications

Dr. Călin Alexandru Ur
ELI-NP IFIN-HH

calin.ur@eli-np.ro

PhD Thesis

Contribuții la Studiul unor Nuclee Atomice de Masă Medie; Evoluția Structurii Nucleelor $N \approx Z$ în Pătura $1f_{7/2}$

Institutul de Fizică Atomică București

Speciality: Nuclear Physics

Date: 14.01.1999

Supervisor: Dr. Dorel Bucurescu, IFIN–HH Bucharest

Books/Chapters in books

- [1] S. Karamian and C. Ur, *Production of Isomers by Spallation and Consequences for Nuclear Science and Applications*, Horizons in World Physics, Vol. 274 (Nova Publishers, New York, 2012) ISBN 978-1-61324-014-4, p. 1

Articles

- [1] Lifetime Measurements of Short Lived States in ^{66}Ge .
M. Matejska-Minda, P. Bednarczyk, B. Fornal, M. Ciemala, M. Kmiecik, M. Krzysiek, A. Maj, W. Meczynski, S. Myalski, J. Styczen, M. Zieblinski, G. de Angelis, T. Huyuk, C. Michelagnoli, E. Sahin, S. Aydin, E. Farnea, R. Menegazzo, F. Recchia, C. Ur, S. Brambilla, S. Leoni, D. Montanari, G. Jaworski, M. Palacz, and R. Wadsworth.
ACTA PHYSICA POLONICA **B44**, 501 (2013)
- [2] Effects of transfer channels on near- and sub-barrier fusion of $^{32}\text{S} + ^{48}\text{Ca}$.
G. Montagnoli, A. M. Stefanini, H. Esbensen, C. L. Jiang, L. Corradi, S. Courtin, E. Fioretto, A. Goasduff, J. Grebosz, F. Haas, M. Mazzocco, C. Michelagnoli, T. Mijatovic, D. Montanari, C. Parascandolo, K. E. Rehm, F. Scarlassara, S. Szilner, X. D. Tang, and C. A. Ur.
PHYSICAL REVIEW C **87**, 014611 (2013)
- [3] Lifetime measurements in neutron-rich $^{63,65}\text{Co}$ isotopes using the AGATA demonstrator.
V. Modamio, J. J. Valiente-Dobon, S. Lunardi, S. M. Lenzi, A. Gadea, D. Mengoni, D. Bazzacco, A. Algora, P. Bednarczyk, G. Benzoni, B. Birkenbach, A. Bracco, B. Bruyneel, A. Burger, J. Chavas, L. Corradi, F. C. L. Crespi, G. de Angelis, P. Desesquelles, G. de France, R. Depalo, A. Dewald, M. Doncel, M. N. Erduran, E. Farnea, E. Fioretto, C. Fransen, K. Geibel, A. Gottardo, A. Gorgen, T. Habermann, M. Hackstein, H. Hess, T. Huyuk, P. R. John, J. Jolie, D. Judson, A. Jungclaus, N. Karkour, R. Kempley, S. Leoni, B. Melon, R. Menegazzo, C. Michelagnoli, T. Mijatovic, B. Million, O. Moller, G. Montagnoli, D. Montanari, A. Nannini, D. R. Napoli, Z. Podolyak, G. Pollarolo, A. Pullia, B. Quintana, F. Recchia, P. Reiter, D. Rosso, W. Rother, E. Sahin, M. D. Salsac, F. Scarlassara, K. Sieja, P. A. Soderstrom, A. M. Stefanini, O. Stezowski, S. Szilner, C. Theisen, B. Travers, and C. A. Ur.
PHYSICAL REVIEW C **88**, 044326 (2013)
- [4] Lifetimes and electromagnetic transition strengths in ^{155}Dy .
P. Petkov, M. S. Yavahchova, O. Moller, A. Dewald, D. Tonev, B. Saha, A. Fitzler, K. Jessen, 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, N. Marginean, T. Martinez, and M. A. Caprio.
PHYSICAL REVIEW C **88**, 034323 (2013)
- [5] Global properties of K hindrance probed by the γ decay of the warm rotating ^{174}W nucleus.
V. Vandone, S. Leoni, G. Benzoni, N. Blasi, A. Bracco, S. Brambilla, C. Boiano, S. Bottoni, F. Camera, A. Corsi, F. C. L. Crespi, A. Giaz, B. Million, R. Nicolini, L. Pellegrini, A. Pullia, O. Wieland, D. Bortolato, G. de Angelis, E. Calore, A. Gottardo, G. Maron, D. R. Napoli, D. Rosso, E. Sahin, J. J. Valiente-Dobon, D. Bazzacco, M. Bellato, E. Farnea, S. Lunardi, R. Menegazzo, D. Mengoni, P. Molini, C. Michelagnoli, D. Montanari, F. Recchia, C. A. Ur, A. Gadea, T. Huyuk, N. Cieplicka, A. Maj, M. Kmiecik, A. Atac, S. Akkoyun, A. Kaskas, P. A. Soderstrom, B. Birkenbach, B. Cederwall, P. J. Coleman-Smith, D. M. Cullen, P. Desesquelles, J. Eberth, A. Gorgen, J. Grebosz, H. Hess, D. Judson, A. Jungclaus, N. Karkour, P. Nolan, A. Obertelli, P. Reiter, M. D. Salsac, O. Stezowski, C. Theisen, M. Matsuo, and E. Vigezzi.
PHYSICAL REVIEW C **88**, 034312 (2013)
- [6] Lifetime Measurements in Neutron-rich Cu Isotopes.
M. Doncel, E. Sahin, A. Gadea, G. de Angelis, B. Quintana, J. J. Valiente-Dobon, V. Modamio, M. Albers, D. Bazzacco, E. Clement, L. Corradi, A. Dewald, G. Duchene, M. N. Erduran,

- E. Farnea, E. Fioretto, C. Fransen, R. Gernhauser, A. Gorgen, A. Gottardo, M. Hackstein, A. Hernandez-Prieto, T. Huyuk, S. Klupp, W. Korten, A. Kusoglu, S. Lenzi, C. Louchart, S. Lunardi, R. Menegazzo, D. Mengoni, C. Michelagnoli, T. Mijatovic, G. Montagnoli, D. Montanari, O. Moller, D. R. Napoli, A. Obertelli, R. Orlandi, G. Pollarolo, F. Recchia, W. Rother, M. D. Salsac, F. Scarlassara, M. Schlarb, A. Stefanini, B. Sulignano, S. Szilner, and C. A. Ur. *ACTA PHYSICA POLONICA* **B44**, 505 (2013)
- [7] New μ s isomers in the neutron-rich ^{210}Hg nucleus.
A. Gottardo, J. J. Valiente-Dobon, G. Benzoni, A. Gadea, S. Lunardi, P. Boutachkov, A. M. Bruce, M. Gorska, J. Grebosz, S. Pietri, Z. Podolyak, M. Pfutzner, P. H. Regan, H. Weick, J. Alcantara Nunez, 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. D. Bacelar, A. Y. Deo, C. Domingo-Pardo, M. Doncel, Z. Dombardi, 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, and H. J. Wollersheim.
PHYSICS LETTERS B **725**, 292 (2013)
- [8] Towards the Determination of Superdeformation in ^{42}Ca .
K. Hadynska-Klek, P. J. Napiorkowski, A. Maj, F. Azaiez, M. Kicinska-Habior, J. J. Valiente-Dobon, G. de Angelis, T. Abraham, G. Anil Kumar, B. Q. Arnes, D. Bazzacco, M. Bellato, D. Bortolato, P. Bednarczyk, G. Benzoni, L. Berti, B. Birkenbach, B. Bruyneel, S. Brambilla, F. Camera, J. Chavas, M. Ciemala, P. Cocconi, P. Coleman-Smith, A. Colombo, A. Corsi, F. C. L. Crespi, D. M. Cullen, A. Czermak, P. Desesquelles, B. Dulny, J. Eberth, E. Farnea, B. Fornal, S. Franchoo, A. Gadea, A. Giaz, A. Gottardo, X. Grave, J. Grebosz, M. Gulmini, T. Habermann, R. Isocrate, J. Iwanicki, G. Jaworski, A. Jungclaus, N. Karkour, M. Kmiecik, D. Karpinski, M. Kisielinski, N. Kondratyev, A. Korichi, M. Komorowska, M. Kowalczyk, W. Korten, M. Krzysiek, G. Lehaut, S. Leoni, A. Lopez-Martens, S. Lunardi, G. Maron, K. Mazurek, R. Menegazzo, D. Mengoni, E. Merchan, W. Meczynski, C. Michelagnoli, J. Mierzejewski, B. Million, P. Molini, S. Myalski, D. R. Napoli, R. Nicolini, M. Niikura, A. Obertelli, S. F. Ozmen, M. Palacz, A. Pullia, G. Rampazzo, F. Recchia, N. Redon, P. Reiter, D. Rosso, K. Rusek, E. Sahin, M. D. Salsac, P. A. Soderstrom, J. Srebrny, I. Stefan, O. Stezowski, J. Styczen, C. Theisen, N. Toniolo, C. A. Ur, V. Vandone, R. Wadsworth, B. Wasilewska, A. Wiens, K. Wrzosek-Lipska, M. Zielinska, and M. Zieblinski.
ACTA PHYSICA POLONICA **B44**, 617 (2013)
- [9] Collective nature of low-lying excitations in $^{70,72,74}\text{Zn}$ from lifetime measurements using the AGATA spectrometer demonstrator.
C. Louchart, A. Obertelli, A. Gorgen, W. Korten, D. Bazzacco, B. Birkenbach, B. Bruyneel, E. Clement, P. J. Coleman-Smith, L. Corradi, D. Curien, G. de Angelis, G. de France, J. P. Delaroche, A. Dewald, F. Didierjean, M. Doncel, G. Duchene, J. Eberth, M. N. Erduran, E. Farnea, C. Finck, E. Fioretto, C. Fransen, A. Gadea, M. Girod, A. Gottardo, J. Grebosz, T. Habermann, M. Hackstein, T. Huyuk, J. Jolie, D. Judson, A. Jungclaus, N. Karkour, S. Klupp, R. Krucken, A. Kusoglu, S. M. Lenzi, J. Libert, J. Ljungvall, S. Lunardi, G. Maron, R. Menegazzo, D. Mengoni, C. Michelagnoli, B. Million, P. Molini, O. Moller, G. Montagnoli, D. Montanari, D. R. Napoli, R. Orlandi, G. Pollarolo, A. Prieto, A. Pullia, B. Quintana, F. Recchia, P. Reiter, D. Rosso, W. Rother, E. Sahin, M. D. Salsac, F. Scarlassara, M. Schlarb, S. Siem, P. P. Singh,

P. A. Soderstrom, A. M. Stefanini, O. Stezowski, B. Sulignano, S. Szilner, C. Theisen, C. A. Ur, J. J. Valiente-Dobon, and M. Zielinska.
PHYSICAL REVIEW C **87**, 054302 (2013)

- [10] Transfer Reaction Studies with Spectrometers.
S. Szilner, L. Corradi, G. Pollarolo, E. Fioretto, A. M. Stefanini, G. de Angelis, J. J. Valiente-Dobon, E. Farnea, S. Lunardi, D. Mengoni, G. Montagnoli, D. Montanari, F. Recchia, F. Scarlassara, C. A. Ur, T. Mijatovic, D. Jelavic Malenica, N. Soic, S. Courtin, F. Haas, A. Goasduff, A. Gadea, N. M. Marginean, and M. D. Salsac.
ACTA PHYSICA POLONICA **B44**, 417 (2013)
- [11] Structure of chlorine isotopes populated by heavy ion transfer reactions.
S. Szilner, L. Corradi, F. Haas, G. Pollarolo, L. Angus, S. Beghini, M. Bouhelal, R. Chapman, E. Caurier, S. Courtin, E. Farnea, E. Fioretto, A. Gadea, A. Goasduff, D. Jelavic-Malenica, V. Kumar, S. Lunardi, N. Marginean, D. Mengoni, T. Mijatovic, G. Montagnoli, F. Recchia, E. Sahin, M. D. Salsac, F. Scarlassara, J. F. Smith, N. Soic, A. M. Stefanini, C. A. Ur, and J. J. Valiente-Dobon.
PHYSICAL REVIEW C **87**, 054322 (2013)
- [12] Measurement of the half-life of the two-neutrino double beta decay of ^{76}Ge with the GERDA experiment.
M. Agostini, M. Allardt, E. Andreotti, A. M. Bakalyarov, M. Balata, I. Barabanov, M. B. Heider, N. Barros, L. Baudis, C. Bauer, N. Becerici-Schmidt, E. Bellotti, S. Belogurov, S. T. Belyaev, G. Benato, A. Bettini, L. Bezrukov, T. Bode, V. Brudanin, R. Brugnera, D. Budjas, A. Caldwell, C. Cattadori, A. Chernogorov, F. Cossavella, E. V. Demidova, A. Denisov, A. Domula, V. Egorov, R. Falkenstein, A. D. Ferella, K. Freund, F. Froborg, N. Frodyma, A. Gangapshev, A. Garfagnini, S. Gazzana, P. Grabmayr, V. Gurentsov, K. Gusev, K. K. Guthikonda, W. Hampe, A. Hegai, M. Heisel, S. Hemmer, G. Heusser, W. Hofmann, M. Hult, L. V. Inzhechik, L. Ioannucci, J. J. Csáthy, J. Jochum, M. Junker, S. Kianovsky, I. V. Kirpichnikov, A. Kirsch, A. Klimenko, K. T. Knöpfle, O. Kochetov, V. N. Kornoukhov, V. Kuzminov, M. Laubenstein, A. Lazzaro, B. L. V I Lebedev, H. Y. Liao, M. Lindner, I. Lippi, X. Liu, A. Lubashevskiy, B. Lubsandorzhev, G. Lutter, A. A. Machado, B. Majorovits, W. Maneschg, I. Nemchenok, S. Nisi, C. O'Shaughnessy, L. Pandola, K. Pelczar, L. Peraro, A. Pullia, S. Riboldi, F. Ritter, C. Sada, M. Salathe, C. Schmitt, S. Schonert, J. Schreiner, O. Schulz, B. Schwingenheuer, E. Shevchik, M. Shirchenko, H. Simgen, A. Smolnikov, L. Stanco, H. Strecker, M. Tarka, C. A. Ur, A. A. Vasenko, O. Volynets, K. von Sturm, M. Walter, A. Wegmann, M. Wojcik, E. Yanovich, P. Zavarise, I. Zhitnikov, S. V. Zhukov, D. Zinatulina, K. Zuber, and G. Zuzell.
JOURNAL OF PHYSICS G: NUCLEAR AND PARTICLE PHYSICS **40**, 035110 (2013)
- [13] Effects of transfer channels on near- and sub-barrier fusion of $^{32}\text{S} + ^{48}\text{Ca}$.
G. Montagnoli, A. Stefanini, H. Esbensen, C. Jiang, L. Corradi, S. Courtin, E. Fioretto, A. Goasduff, J. Grebosz, F. Haas, M. Mazzocco, C. Michelagnoli, T. Mijatovic, D. Montanari, C. Parascondolo, K. Rehm, F. Scarlassara, S. Szilner, X. Tang, and C. Ur.
PHYSICAL REVIEW C **87**, 014611 (2013)
- [14] High-spin structure in K-40.
P. A. Soderstrom, F. Recchia, J. Nyberg, A. Gadea, S. M. Lenzi, A. Poves, A. Atac, S. Aydin, D. Bazzacco, P. Bednarczyk, M. Bellato, B. Birkenbach, D. Bortolato, A. J. Boston, H. C. Boston, B. Bruyneel, D. Bucurescu, E. Calore, B. Cederwall, L. Charles, J. Chavas, S. Colosimo, F. C. L. Crespi, D. M. Cullen, G. de Angelis, P. Desesquelles, N. Dosme, G. Duchene, J. Eberth, E. Farnea, F. Filmer, A. Gorgen, A. Gottardo, J. Grebosz, M. Gulmini, H. Hess, T. A. Hughes, G. Jaworski, J. Jolie, P. Joshi, D. S. Judson, A. Jungclaus, N. Karkour, M. Karolak, R. S.

Kempley, A. Khaplanov, W. Korten, J. Ljungvall, S. Lunardi, A. Maj, G. Maron, W. Meczynski, R. Menegazzo, D. Mengoni, C. Michelagnoli, P. Molini, D. R. Napoli, P. J. Nolan, M. Norman, A. Obertelli, Z. Podolyak, A. Pullia, B. Quintana, N. Redon, P. H. Regan, P. Reiter, A. P. Robinson, E. Sahin, J. Simpson, M. D. Salsac, J. F. Smith, O. Stezowski, C. Theisen, D. Tonev, C. Unsworth, C. A. Ur, J. J. Valiente-Dobon, A. Wiens, and A. Collaboration.
PHYSICAL REVIEW C **86**, 054320 (2012)

- [15] Structure of the N=50 As, Ge, Ga nuclei.

E. Sahin, G. de Angelis, G. Duchene, T. Faul, A. Gadea, A. F. Lisetskiy, D. Ackermann, A. Algora, S. Aydin, F. Azaiez, D. Bazzacco, G. Benzoni, M. Bostan, T. Byrski, I. Celikovic, R. Chapman, L. Corradi, S. Courtin, D. Curien, U. D. Pramanik, F. Didierjean, O. Dorvaux, M. N. Erduran, S. Erturk, E. Farnea, E. Fioretto, G. de France, S. Franchoo, B. Gall, A. Gottardo, B. Guiot, F. Haas, F. Ibrahim, E. Ince, A. Khouaja, A. Kusoglu, G. La Rana, M. Labiche, D. Lebhertz, S. Lenzi, S. Leoni, S. Lunardi, P. Mason, D. Mengoni, C. Michelagnoli, V. Modamio, G. Montagnoli, D. Montanari, R. Moro, B. Mouginit, D. R. Napoli, D. O'Donnell, J. R. B. Oliveira, J. Ollier, R. Orlandi, G. Pollarolo, F. Recchia, J. Robin, M. D. Salsac, F. Scarlassara, R. P. Singh, R. Silvestri, J. F. Smith, I. Stefan, A. M. Stefanini, K. Subotic, S. Szilner, D. Tonev, D. A. Torres, M. Trotta, P. Ujic, **C. Ur**, J. J. Valiente-Dobon, D. Verney, M. Yalcinkaya, P. T. Wady, K. T. Wiedemann, and K. Zuber.
NUCLEAR PHYSICS A **893**, 1 (2012)

- [16] Tilted axis rotation, candidates for chiral bands, and wobbling motion in Nd-138.

C. M. Petrache, S. Frauendorf, M. Matsuzaki, R. Leguillon, T. Zerrouki, S. Lunardi, D. Bazzacco, C. A. Ur, E. Farnea, C. R. Alvarez, R. Venturelli, and G. de Angelis.
PHYSICAL REVIEW C **86**, 044321 (2012)

- [17] New Isomers in the Full Seniority Scheme of Neutron-Rich Lead Isotopes: The Role of Effective Three-Body Forces.

A. Gottardo, J. J. Valiente-Dobon, G. Benzoni, R. Nicolini, A. Gadea, S. Lunardi, P. Boutachkov, A. M. Bruce, M. Gorska, J. Grebosz, S. Pietri, Z. Podolyak, M. Pfuetzner, P. H. Regan, H. Weick, J. Alcantara Nunez, 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. D. Bacelar, A. Y. Deo, C. Domingo-Pardo, M. Doncel, Z. 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, S. Klupp, I. Kojouharov, N. Kurz, S. M. Lenzi, S. Leoni, S. Mandal, R. Menegazzo, D. Mengoni, B. Million, A. I. Morales, D. R. Napoli, F. Naqvi, 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, F. Nowacki, E. Maglione, and A. P. Zuker.
PHYSICAL REVIEW LETTERS **109**, 162502 (2012)

- [18] The slow control system of the GERDA double beta decay experiment at Gran Sasso.

R. Brugnera, F. Costa, A. Garfagnini, G. Gigante, S. Hemmer, I. Lippi, M. Michelotto, **C. Ur**, and D. Zinato.
JOURNAL OF INSTRUMENTATION **7**, P10017 (2012)

- [19] Toward the N=40 sub-shell closure in Co isotopes and the new island of inversion.

F. Recchia, S. M. Lenzi, S. Lunardi, E. Farnea, A. Gadea, N. Marginean, J. J. Valiente-Dobon, M. Axiotis, S. Aydin, D. Bazzacco, G. Benzoni, P. G. Bizzeti, A. M. Bizzeti-Sona, A. Bracco, D. Bucurescu, F. Camera, L. Corradi, G. de Angelis, F. Della Vedova, E. Fioretto, M. Ionescu-Bujor, A. Iordachescu, S. Leoni, R. Marginean, P. Mason, R. Menegazzo, D. Mengoni, B. Million,

G. Montagnoli, D. R. Napoli, F. Nowacki, R. Orlandi, G. Pollarolo, A. Poves, E. Sahin, K. Sieja, F. Scarlassara, R. P. Singh, A. M. Stefanini, S. Szilner, C. A. Ur, and O. Wieland.
PHYSICA SCRIPTA **T150**, 014034 (2012)

- [20] High-spin structure of Pd-95.
R. Marginean, C. Rusu, N. Marginean, D. Bucurescu, C. A. Ur, G. de Angelis, M. Axiotis, D. Bazzacco, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, T. Kroell, S. M. Lenzi, S. Lunardi, D. R. Napoli, C. R. Alvarez, and J. Wrzesinski.
PHYSICAL REVIEW C **86**, 034339 (2012)
- [21] First measurement of beta decay half-lives in neutron-rich Tl and Bi isotopes.
G. Benzoni, A. I. Morales, J. J. Valiente-Dobon, A. Gottardo, A. Bracco, F. Camera, F. C. L. Crespi, A. M. Corsi, S. Leoni, B. Million, R. Nicolini, O. Wieland, A. Gadea, S. Lunardi, P. Boutachkov, A. M. Bruce, M. Gorska, J. Grebosz, S. Pietri, Z. Podolyak, M. Pfuetzner, P. H. Regan, H. Weick, J. Alcantara Nunez, A. Algora, N. Al-Dahan, G. de Angelis, Y. Ayyad, N. Alkhomashi, P. R. P. Allegro, D. Bazzacco, J. Benlliure, M. Bowry, M. Bunce, E. Casarejos, M. L. Cortes, A. M. D. Bacelar, A. Y. Deo, C. Domingo-Pardo, M. Doncel, Z. 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, S. Klupp, I. Kojouharov, N. Kurz, S. Mandal, R. Menegazzo, D. Mengoni, D. R. Napoli, F. Naqvi, 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, and H. J. Wollersheim.
PHYSICS LETTERS B **715**, 293 (2012)
- [22] High-spin structure and intruder excitations in Cl-36.
S. Aydin, F. Recchia, M. Ionescu-Bujor, A. Gadea, S. M. Lenzi, S. Lunardi, C. A. Ur, D. Bazzacco, P. G. Bizzeti, A. M. Bizzeti-Sona, M. Bouhelal, G. de Angelis, I. Deloncle, E. Farnea, A. Gottardo, F. Haas, T. Huyuk, H. Laftchiev, D. Mengoni, R. Menegazzo, C. Michelagnoli, D. R. Napoli, E. Sahin, P. P. Singh, D. Tonev, and J. J. Valiente-Dobon.
PHYSICAL REVIEW C **86**, 024320 (2012)
- [23] In-beam spectroscopy of Rn-215(86).
M. E. Debray, M. Davidson, J. Davidson, A. J. Kreiner, M. A. Cardona, D. Hojman, D. R. Napoli, S. Lenzi, G. de Angelis, M. De Poli, A. Gadea, D. Bazzacco, C. Rossi-Alvarez, N. Medina, and C. A. Ur.
PHYSICAL REVIEW C **86**, 014326 (2012)
- [24] Reaction dynamics and nuclear structure of moderately neutron-rich Ne isotopes by heavy-ion reactions.
S. Bottoni, G. Benzoni, S. Leoni, D. Montanari, A. Bracco, F. Azaiez, S. Franchoo, I. Stefan, N. Blasi, F. Camera, F. C. L. Crespi, A. Corsi, B. Million, R. Nicolini, E. Vigezzi, O. Wieland, F. Zocca, L. Corradi, G. De Angelis, E. Fioretto, B. Guiot, N. Marginean, D. R. Napoli, R. Orlandi, E. Sahin, A. M. Stefanini, J. J. Valiente-Dobon, S. Aydin, D. Bazzacco, E. Farnea, S. Lenzi, S. Lunardi, P. Mason, D. Mengoni, G. Montagnoli, F. Recchia, C. Ur, F. Scarlassara, A. Gadea, A. Maj, J. Wrzesinski, K. Zuber, Z. Dombradi, S. Szilner, A. Saltarelli, and G. Pollarolo.
PHYSICAL REVIEW C **85**, 064621 (2012)
- [25] Spectroscopy of odd-mass cobalt isotopes toward the N=40 subshell closure and shell-model description of spherical and deformed states.
F. Recchia, S. M. Lenzi, S. Lunardi, E. Farnea, A. Gadea, N. Marginean, D. R. Napoli, F. Nowacki, A. Poves, J. J. Valiente-Dobon, M. Axiotis, S. Aydin, D. Bazzacco, G. Benzoni,

P. G. Bizzeti, A. M. Bizzeti-Sona, A. Bracco, D. Bucurescu, E. Caurier, L. Corradi, G. de Angelis, F. Della Vedova, E. Fioretto, A. Gottardo, M. Ionescu-Bujor, A. Iordachescu, S. Leoni, R. Marginean, P. Mason, R. Menegazzo, D. Mengoni, B. Million, G. Montagnoli, R. Orlandi, G. Pollarolo, E. Sahin, F. Scarlassara, R. P. Singh, A. M. Stefanini, S. Szilner, C. A. Ur, and O. Wieland.

PHYSICAL REVIEW C **85**, 064305 (2012)

- [26] gamma spectroscopy of calcium nuclei around doubly magic Ca-48 using heavy-ion transfer reactions.

D. Montanari, S. Leoni, D. Mengoni, J. J. Valiente-Dobon, G. Benzoni, N. Blasi, G. Bocchi, P. F. Bortignon, S. Bottoni, A. Bracco, F. Camera, P. Casati, G. Colo, A. Corsi, F. C. L. Crespi, B. Million, R. Nicolini, O. Wieland, D. Bazzacco, E. Farnea, G. Germogli, A. Gottardo, S. M. Lenzi, S. Lunardi, R. Menegazzo, G. Montagnoli, F. Recchia, F. Scarlassara, **C. Ur**, L. Corradi, G. de Angelis, E. Fioretto, D. R. Napoli, R. Orlandi, E. Sahin, A. M. Stefanini, R. P. Singh, A. Gadea, S. Szilner, M. Kmiecik, A. Maj, W. Meczynski, A. Dewald, T. Pissulla, and G. Pollarolo.

PHYSICAL REVIEW C **85**, 044301 (2012)

- [27] Shape isomerism and shape coexistence effects on the Coulomb energy differences in the $N = Z$ nucleus As-66 and neighboring $T=1$ multiplets.

G. de Angelis, K. T. Wiedemann, T. Martinez, R. Orlandi, A. Petrovici, E. Sahin, J. J. Valiente-Dobon, D. Tonev, S. Lunardi, B. S. N. Singh, R. Wadsworth, A. Gadea, K. Kaneko, P. G. Bizzeti, A. M. Bizzeti-Sona, B. Blank, A. Bracco, M. P. Carpenter, C. J. Chiara, E. Farnea, A. Gottardo, J. P. Greene, S. M. Lenzi, S. Leoni, C. J. Lister, D. Mengoni, D. R. Napoli, O. L. Pechenaya, F. Recchia, W. Reviol, D. G. Sarantites, D. Seweryniak, C. A. Ur, and S. Zhu.

PHYSICAL REVIEW C **85**, 034320 (2012)

- [28] AGATA-Advanced GAMMA Tracking Array.

S. Akkoyun, A. Algora, B. Alikhani, F. Ameil, G. de Angelis, L. Arnold, A. Astier, A. Atac, Y. Aubert, C. Aufranc, A. Austin, S. Aydin, F. Azaiez, S. Badoer, D. L. Balabanski, D. Barrientos, G. Baulieu, R. Baumann, D. Bazzacco, F. A. Beck, T. Beck, P. Bednarczyk, M. Bellato, M. A. Bentley, G. Benzoni, R. Berthier, L. Berti, R. Beunard, G. Lo Bianco, B. Birkenbach, P. G. Bizzeti, A. M. Bizzeti-Sona, F. Le Blanc, J. M. Blasco, N. Blasi, D. Bloor, C. Boiano, M. Borsato, D. Bortolato, A. J. Boston, H. C. Boston, P. Bourgault, P. Boutachkov, A. Bouty, A. Bracco, S. Brambilla, I. P. Brawn, A. Brondi, S. Broussard, B. Bruyneel, D. Bucurescu, I. Burrows, A. Buerger, S. Cabaret, B. Cahan, E. Calore, F. Camera, A. Capsoni, F. Carrio, G. Casati, M. Castoldi, B. Cederwall, J. L. Cercus, V. Chambert, M. El Chambit, R. Chapman, L. Charles, J. Chavas, E. Clement, P. Cocconi, S. Coelli, P. J. Coleman-Smith, A. Colombo, S. Colosimo, C. Commeaux, D. Conventi, R. J. Cooper, A. Corsi, A. Cortesi, L. Costa, F. C. L. Crespi, J. R. Cresswell, D. M. Cullen, D. Curien, A. Czermak, D. Delbourg, R. Depalo, T. Descobes, P. Desesquelles, P. Detistov, C. Diarra, F. Didierjean, M. R. Dimmock, Q. T. Doan, C. Domingo-Pardo, M. Doncel, F. Dorangeville, N. Dosme, Y. Drouen, G. Duchene, B. Dulny, J. Eberth, P. Edelbruck, J. Egea, T. Engert, M. N. Erduran, S. Erturk, C. Fanin, S. Fantinel, E. Farnea, T. Faul, M. Filliger, F. Filmer, C. Finck, G. de France, A. Gadea, W. Gast, A. Geraci, J. Gerl, R. Gernhaeuser, A. Giannatiempo, A. Giaz, L. Gibelin, A. Givechev, N. Goel, V. Gonzalez, A. Gottardo, X. Grave, J. Grebosz, R. Griffiths, A. N. Grint, P. Gros, L. Guevara, M. Gulmini, A. Goergen, H. T. M. Ha, T. Habermann, L. J. Harkness, H. Harroch, K. Hauschild, C. He, A. Hernandez-Prieto, B. Hervieu, H. Hess, T. Hueyuek, E. Ince, R. Isocrate, G. Jaworski, A. Johnson, J. Jolie, P. Jones, B. Jonson, P. Joshi, D. S. Judson, A. Jungclauss, M. Kaci, N. Karkour, M. Karolak, A. Kaskas, M. Kebbiri, R. S. Kempley, A. Khaplanov, S. Klupp, M. Kogimtzis, I. Kojouharov, A. Korichi, W. Korten, T. Kroell, R. Kruecken, N. Kurz, B. Y. Ky, M. Labiche,

X. Lafay, L. Lavergne, I. H. Lazarus, S. Leboutelier, F. Lefebvre, E. Legay, L. Legeard, F. Lelli, S. M. Lenzi, S. Leoni, A. Lermitege, D. Lersch, J. Leske, S. C. Letts, S. Lhenoret, R. M. Lieder, D. Linget, J. Ljungvall, A. Lopez-Martens, A. Lotode, S. Lunardi, A. Maj, J. van der Marel, Y. Mariette, N. Marginean, R. Marginean, G. Maron, A. R. Mather, W. Meczynski, V. Mendez, P. Medina, B. Melon, R. Menegazzo, D. Mengoni, E. Merchan, L. Mihailescu, C. Michelagnoli, J. Mierzejewski, L. Milechina, B. Million, K. Mitev, P. Molini, D. Montanari, S. Moon, F. Morbiducci, R. Moro, P. S. Morrall, O. Moeller, A. Nannini, D. R. Napoli, L. Nelson, M. Nespolo, V. L. Ngo, M. Nicoletto, R. Nicolini, Y. Le Noa, P. J. Nolan, M. Norman, J. Nyberg, A. Obertelli, A. Olariu, R. Orlandi, D. C. Oxley, C. Ozben, M. Ozille, C. Oziol, E. Pachoud, M. Palacz, J. Palin, J. Pancin, C. Parisel, P. Pariset, G. Pascovici, R. Peghin, L. Pellegrini, A. Perego, S. Perrier, M. Petcu, P. Petkov, C. Petrache, E. Pierre, N. Pietralla, S. Pietri, M. Pignanelli, I. Piqueras, Z. Podolyak, P. Le Pouhalec, J. Pouthas, D. Pugner, V. F. E. Pucknell, A. Pullia, B. Quintana, R. Raine, G. Rainovski, L. Ramina, G. Rampazzo, G. La Rana, M. Rebeschini, F. Recchia, N. Redon, M. Reese, P. Reiter, P. H. Regan, S. Riboldi, M. Richer, M. Rigato, S. Rigby, G. Ripamonti, A. P. Robinson, J. Robin, J. Roccaz, J. A. Ropert, B. Rosse, C. Rossi Alvarez, D. Rosso, B. Rubio, D. Rudolph, F. Saillant, E. Sahin, F. Salomon, M. D. Salsac, J. Salt, G. Salvato, J. Sampson, E. Sanchis, C. Santos, H. Schaffner, M. Schlarb, D. P. Scraggs, D. Seddon, M. Senyigit, M. H. Sigward, G. Simpson, J. Simpson, M. Slee, J. F. Smith, P. Sona, B. Sowicki, P. Spolaore, C. Stahl, T. Stanios, E. Stefanova, O. Stezowski, J. Strachan, G. Suliman, P. A. Soderstrom, J. L. Tain, S. Tanguy, S. Tashenov, C. Theisen, J. Thornhill, F. Tomasi, N. Toniolo, R. Touzery, B. Travers, A. Triossi, M. Tripon, K. M. M. Tun-Lanoe, M. Turcato, C. Unsworth, C. A. Ur, J. J. Valiente-Dobon, V. Vandone, E. Vardaci, R. Venturelli, F. Veronese, C. Veyssiere, E. Viscione, R. Wadsworth, P. M. Walker, N. Warr, C. Weber, D. Weisshaar, D. Wells, O. Wieland, A. Wiens, G. Wittwer, H. J. Wollersheim, F. Zocca, N. V. Zamfir, M. Zieblinski, A. Zucchiatti, and A. A. G. T. Array.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT **668**, 26 (2012)

- [29] Fusion of Ca-40+Ca-40 and other Ca plus Ca systems near and below the barrier.
G. Montagnoli, A. M. Stefanini, C. L. Jiang, H. Esbensen, L. Corradi, S. Courtin, E. Fioretto, A. Goasduff, F. Haas, A. F. Kifle, C. Michelagnoli, D. Montanari, T. Mijatovic, K. E. Rehm, R. Silvestri, P. P. Singh, F. Scarlassara, S. Szilner, X. D. Tang, and C. A. Ur.
PHYSICAL REVIEW C **85**, 024607 (2012)
- [30] Coupling of the proton-hole and neutron-particle states in the neutron-rich K-48 isotope.
W. Krolas, R. Broda, B. Fornal, R. V. F. Janssens, A. Gadea, S. Lunardi, J. J. Valiente-Dobon, D. Mengoni, N. Marginean, L. Corradi, A. M. Stefanini, D. Bazzacco, M. P. Carpenter, G. De Angelis, E. Farnea, E. Fioretto, F. Galtarossa, T. Lauritsen, G. Montagnoli, D. R. Napoli, R. Orlandi, T. Pawlat, I. Pokrovskiy, G. Pollarolo, E. Sahin, F. Scarlassara, D. Seweryniak, S. Szilner, B. Szpak, C. A. Ur, J. Wrzesinski, and S. Zhu.
PHYSICAL REVIEW C **84**, 064301 (2011)
- [31] Elastic, inelastic, and one-nucleon transfer processes in Ca-48+Ni-64.
D. Montanari, S. Leoni, L. Corradi, G. Pollarolo, G. Benzoni, N. Blasi, S. Bottoni, A. Bracco, F. Camera, A. Corsi, F. C. L. Crespi, B. Million, R. Nicolini, O. Wieland, G. de Angelis, F. Della Vedova, E. Fioretto, A. Gadea, B. Guiot, D. Mengoni, D. R. Napoli, R. Orlandi, F. Recchia, A. M. Stefanini, R. P. Singh, J. J. Valiente-Dobon, D. Bazzacco, E. Farnea, S. M. Lenzi, S. Lunardi, G. Montagnoli, F. Scarlassara, C. Ur, G. Lo Bianco, A. Zucchiatti, S. Szilner, M. Kmiecik, A. Maj, and W. Meczynski.
PHYSICAL REVIEW C **84**, 054613 (2011)

- [32] Conceptual design and infrastructure for the installation of the first AGATA sub-array at LNL. A. Gadea, E. Farnea, J. J. Valiente-Dobon, B. Million, D. Mengoni, D. Bazzacco, F. Recchia, A. Dewald, T. Pissulla, W. Rother, G. de Angelis, A. Austin, S. Aydin, S. Badoer, M. Bellato, G. Benzoni, L. Berti, R. Beunard, B. Birkenbach, E. Bissiato, N. Blasi, C. Boiano, D. Bortolato, A. Bracco, S. Brambilla, B. Bruyneel, E. Calore, F. Camera, A. Capsoni, J. Chavas, P. Cocconi, S. Coelli, A. Colombo, D. Conventi, L. Costa, L. Corradi, A. Corsi, A. Cortesi, F. C. L. Crespi, N. Dosme, J. Eberth, S. Fantinel, C. Fanin, E. Fioretto, C. Fransen, A. Giaz, A. Gottardo, X. Grave, J. Grebosz, R. Griffiths, E. Grodner, M. Gulmini, T. Habermann, C. He, H. Hess, R. Isocrate, J. Jolie, P. Jones, A. Latina, E. Legay, S. Lenzi, S. Leoni, F. Lelli, D. Lersch, S. Lunardi, G. Maron, R. Menegazzo, C. Michelagnoli, P. Molini, G. Montagnoli, D. Montanari, O. Moeller, D. R. Napoli, M. Nicoletto, R. Nicolini, M. Ozille, G. Pascovici, R. Peghin, M. Pignanelli, V. Pucknell, A. Pullia, L. Ramina, G. Rampazzo, M. Rebeschini, P. Reiter, S. Riboldi, M. Rigato, C. R. Alvarez, D. Rosso, G. Salvato, J. Strachan, E. Sahin, F. Scarlassara, J. Simpson, A. M. Stefanini, O. Stezowski, F. Tomasi, N. Toniolo, A. Triossi, M. Turcato, C. A. Ur, V. Vandone, R. Venturelli, F. Veronese, C. Veysiere, E. Viscione, O. Wieland, A. Wiens, F. Zocca, and A. Zucchiatti.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT **654**, 88 (2011)
- [33] Single and pair neutron transfers at sub-barrier energies.
L. Corradi, S. Szilner, G. Pollarolo, G. Colo, P. Mason, E. Farnea, E. Fioretto, A. Gadea, F. Haas, D. Jelavic-Malenica, N. Marginean, C. Michelagnoli, G. Montagnoli, D. Montanari, F. Scarlassara, N. Soic, A. M. Stefanini, C. A. Ur, and J. J. Valiente-Dobon.
PHYSICAL REVIEW C **84**, 034603 (2011)
- [34] HPGe detectors long time behaviour in high-resolution gamma spectrometry.
L. Sajo-Bohus, D. Rosso, A. M. Sajo Castelli, D. R. Napoli, E. Fioretto, R. Menegazzo, H. Barros, C. A. Ur, D. Palacios, and J. Liendo.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT **648**, 132 (2011)
- [35] Structure of Ti-46 at low excitation energy.
N. H. Medina, J. R. B. Oliveira, F. Brandolini, R. V. Ribas, F. Della Vedova, E. Farnea, A. Gadea, S. M. Lenzi, N. Marginean, T. Martinez, D. R. Napoli, M. Nespolo, P. Pavan, and C. A. Ur.
PHYSICAL REVIEW C **84**, 024315 (2011)
- [36] Interplay between single-particle and collective excitations in argon isotopes populated by transfer reactions.
S. Szilner, L. Corradi, F. Haas, D. Lebhertz, G. Pollarolo, C. A. Ur, L. Angus, S. Beghini, M. Bouhelal, R. Chapman, E. Caurier, S. Courtin, E. Farnea, E. Fioretto, A. Gadea, A. Goasduff, D. Jelavic-Malenica, V. Kumar, S. Lunardi, N. Marginean, P. Mason, D. Mengoni, G. Montagnoli, F. Nowacki, F. Recchia, E. Sahin, M.-D. Salsac, F. Scarlassara, R. Silvestri, J. F. Smith, N. Soic, A. M. Stefanini, and J. J. Valiente-Dobon.
PHYSICAL REVIEW C **84**, 014325 (2011)
- [37] Interaction position resolution simulations and in-beam measurements of the AGATA HPGe detectors.
P. A. Soderstrom, F. Recchia, J. Nyberg, A. Al-Adili, A. Atac, S. Aydin, D. Bazzacco, P. Bednarczyk, B. Birkenbach, D. Bortolato, A. J. Boston, H. C. Boston, B. Bruyneel, D. Bucurescu,

E. Calore, S. Colosimo, F. C. L. Crespi, N. Dosme, J. Eberth, E. Farnea, F. Filmer, A. Gadea, A. Gottardo, X. Grave, J. Grebosz, R. Griffiths, M. Gulmini, T. Habermann, H. Hess, G. Jaworski, P. Jones, P. Joshi, D. S. Judson, R. Kempley, A. Khaplanov, E. Legay, D. Lersch, J. Ljungvall, A. Lopez-Martens, W. Meczynski, D. Mengoni, C. Michelagnoli, P. Molini, D. R. Napoli, R. Orlandi, G. Pascovici, A. Pullia, P. Reiter, E. Sahin, J. F. Smith, J. Strachan, D. Tonev, C. Unsworth, C. A. Ur, J. J. Valiente-Dobon, C. Veyssiere, and A. Wiens.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT **638**, 96 (2011)

- [38] Characterization of a broad energy germanium detector and application to neutrinoless double beta decay search in Ge-76.

M. Agostini, E. Bellotti, R. Brugnera, C. M. Cattadori, A. D'Andragora, A. di Vacri, A. Garfagnini, M. Laubenstein, L. Pandola, and C. A. Ur.
JOURNAL OF INSTRUMENTATION **6**, P04005 (2011)

- [39] Probing the nature of particle-core couplings in Ca-49 with gamma spectroscopy and heavy-ion transfer reactions.

D. Montanari, S. Leoni, D. Mengoni, G. Benzoni, N. Blasi, G. Bocchi, P. F. Bortignon, A. Bracco, F. Camera, G. Colo, A. Corsi, F. C. L. Crespi, B. Million, R. Nicolini, O. Wieland, J. J. Valiente-Dobon, L. Corradi, G. de Angelis, F. Della Vedova, E. Fioretto, A. Gadea, D. R. Napoli, R. Orlandi, F. Recchia, E. Sahin, R. Silvestri, A. M. Stefanini, R. P. Singh, S. Szilner, D. Bazzacco, E. Farnea, R. Menegazzo, A. Gottardo, S. M. Lenzi, S. Lunardi, G. Montagnoli, F. Scarlassara, **C. Ur**, G. Lo Bianco, A. Zucchiatti, M. Kmiecik, A. Maj, W. Meczynski, A. Dewald, T. Pissulla, and G. Pollarolo.
PHYSICS LETTERS B **697**, 288 (2011)

- [40] Signal modeling of high-purity Ge detectors with a small read-out electrode and application to neutrinoless double beta decay search in Ge-76.

M. Agostini, C. A. Ur, D. Budjas, E. Bellotti, R. Brugnera, C. M. Cattadori, A. di Vacri, A. Garfagnini, L. Pandola, and S. Schoenert.
JOURNAL OF INSTRUMENTATION **6**, P03005 (2011)

- [41] STUDY OF HIGH-LYING STATES IN Pb-208 WITH THE AGATA DEMONSTRATOR.

R. Nicolini, A. Bracco, D. Mengoni, S. Leoni, F. Camera, D. Bazzacco, E. Farnea, A. Gadea, F. Birocchi, A. Camplani, A. Corsi, F. C. L. Crespi, A. Giaz, L. Pellegrini, S. Riboldi, V. Vandone, N. Blasi, C. Boiano, S. Brambilla, B. Million, O. Wieland, M. Bellato, A. Gottardo, R. Isocrate, C. Michelagnoli, D. Montanari, F. Recchia, **C. Ur**, D. Bortolato, E. Calore, P. Molini, D. R. Napoli, E. Sahin, J. J. Valiente-Dobon, M. Ciemala, M. Kmiecik, A. Maj, S. Myalski, A. Burger, R. Kempley, P. Reiter, and A. Collaboration.
ACTA PHYSICA POLONICA B **42**, 653 (2011)

- [42] REFINEMENT OF THE Ca-42 LEVEL SCHEME. PRELIMINARY RESULTS FROM THE FIRST AGATA DEMONSTRATOR EXPERIMENT.

K. Hadynska-Klek, P. J. Napiorkowski, A. Maj, F. Azaiez, J. J. Valiente-Dobon, G. de Angelis, G. A. Kumar, D. Bazzacco, P. Bednarczyk, M. Bellato, G. Benzoni, L. Berti, D. Bortolato, B. Bruyneel, F. Camera, M. Ciemala, P. Cocconi, A. Colombo, A. Corsi, F. Crespi, A. Czermak, B. Dulny, E. Farnea, B. Fornal, S. Franchoo, A. Gadea, A. Giaz, A. Gottardo, X. Grave, J. Grebosz, M. Gulmini, H. Hess, R. Isocrate, G. Jaworski, M. Kicinska-Habior, M. Kmiecik, N. Kondratyev, A. Korichi, W. Korten, G. Lehaut, S. Lenzi, S. Leoni, S. Lunardi, G. Maron, R. Menegazzo, D. Mengoni, E. Merchan, W. Meczynski, C. Michelagnoli, P. Molini, D. R. Napoli, R. Nicolini, M. Niikura, M. Palacz, G. Rampazzo, F. Recchia, N. Redon, P. Reiter, D. Rosso,

E. Sahin, J. Srebrny, I. Stefan, O. Stezowski, J. Styczen, N. Toniolo, C. A. Ur, V. Vandone, B. Wadsworth, A. Wiens, K. Wrzosek-Lipska, M. Zielinska, M. Zieblinski, and A. Collaboration. *ACTA PHYSICA POLONICA B* **42**, 817 (2011)

- [43] CROSS-COINCIDENCES IN THE Xe-136+Pb-208 DEEP-INELASTIC REACTION.
R. S. Kempsey, Z. Podolyak, D. Bazzacco, A. Gadea, E. Farnea, J. J. Valiente-Dobon, D. Mengoni, F. Recchia, E. Sahin, A. Gottardo, L. Corradi, E. Fioretto, S. Szilner, V. Anagnostatou, N. Al-Dahan, G. De Angelis, M. Bellato, B. Berti, D. Bortolato, M. Bowry, M. Bunce, P. Cocconi, A. Colombo, Z. Dombradi, C. Fanin, W. Gelletly, R. Isocrate, S. Ketenci, N. Kondratyev, I. Kuti, P. J. R. Mason, C. Michelagnoli, T. Mijatovic, P. Molini, G. Montagnoli, D. Montanari, M. Nakhostin, D. R. Napoli, D. Pellegrini, P. H. Regan, G. Rampazzo, P. Reiter, D. Rosso, F. Scarlassara, A. Stefanini, P. Singh, N. Toniolo, C. A. Ur, and A. Collaboration. *ACTA PHYSICA POLONICA B* **42**, 717 (2011)
- [44] LIFETIME MEASUREMENT IN THE $N = Z$ NUCLEUS Ti-44.
C. Michelagnoli, C. A. Ur, E. Farnea, S. Lenzi, S. Lunardi, F. Recchia, N. Marginean, D. Bucurescu, G. Cata-Danil, D. Deleanu, D. Filipescu, D. Ghita, T. Glodariu, R. Marginean, C. Mihai, A. Negret, S. Pascu, T. Sava, L. Stroe, and G. Suliman. *ACTA PHYSICA POLONICA B* **42**, 825 (2011)
- [45] Electromagnetic properties of vibrational bands in Er-170.
D. D. DiJulio, J. Cederkall, C. Fahlander, A. Ekstrom, P. Golubev, K. Mattsson, D. Rudolph, G. de Angelis, S. Aydin, A. Y. Deo, E. Farnea, G. Farrelly, K. Geibel, C. He, J. Iwanicki, R. Kempsey, N. Marginean, R. Menegazzo, D. Mengoni, R. Orlandi, Z. Podolyak, F. Recchia, P. Reiter, E. Sahin, J. Smith, P. A. Soderstrom, D. A. Torres, G. M. Tveten, C. A. Ur, J. J. Valiente-Dobon, A. Wendt, and M. Zielinska. *EUROPEAN PHYSICAL JOURNAL A* **47**, 25 (2011)
- [46] Spin, quadrupole moment, and deformation of the magnetic-rotational band head in Pb-193.
D. L. Balabanski, M. Ionescu-Bujor, A. Iordachescu, D. Bazzacco, F. Brandolini, D. Bucurescu, S. Chmel, M. Danchev, M. De Poli, G. Georgiev, H. Haas, H. Huebel, N. Marginean, R. Menegazzo, G. Neyens, P. Pavan, C. R. Alvarez, C. A. Ur, K. Vyvey, and S. Frauendorf. *PHYSICAL REVIEW C* **83**, 014304 (2011)
- [47] Enhanced Quadrupole Collectivity at $N = 40$: The Case of Neutron-Rich Fe Isotopes.
W. Rother, A. Dewald, H. Iwasaki, S. M. Lenzi, K. Starosta, D. Bazin, T. Baugher, B. A. Brown, H. L. Crawford, C. Fransen, A. Gade, T. N. Ginter, T. Glasmacher, G. F. Grinyer, M. Hackstein, G. Ilie, J. Jolie, S. McDaniel, D. Miller, P. Petkov, T. Pissulla, A. Ratkiewicz, C. A. Ur, P. Voss, K. A. Walsh, D. Weisshaar, and K. O. Zell. *PHYSICAL REVIEW LETTERS* **106**, 022502 (2011)
- [48] Transition probabilities in the X(5) candidate Ba-122.
P. G. Bizzeti, A. M. Bizzeti-Sona, D. Tonev, A. Giannatiempo, C. A. Ur, A. Dewald, B. Melon, C. Michelagnoli, P. Petkov, D. Bazzacco, A. Costin, G. de Angelis, F. Della Vedova, M. Fantuzzi, E. Farnea, C. Fransen, A. Gadea, S. Lenzi, S. Lunardi, N. Marginean, R. Marginean, R. Menegazzo, D. Mengoni, O. Moeller, A. Nannini, D. R. Napoli, M. Nespolo, P. Pavan, A. Perego, C. M. Petrache, N. Pietralla, C. R. Alvarez, and P. Sona. *PHYSICAL REVIEW C* **82**, 054311 (2010)
- [49] Fusion hindrance for Ca plus Ca systems: Influence of neutron excess.
C. L. Jiang, A. M. Stefanini, H. Esbensen, K. E. Rehm, L. Corradi, E. Fioretto, P. Mason, G. Montagnoli, F. Scarlassara, R. Silvestri, P. P. Singh, S. Szilner, X. D. Tang, and C. A. Ur. *PHYSICAL REVIEW C* **82**, 041601 (2010)

- [50] Proton-hole states in the $N=30$ neutron-rich isotope K-49.
R. Broda, J. Wrzesinski, A. Gadea, N. Marginean, B. Fornal, L. Corradi, A. M. Stefanini, W. Krolas, T. Pawlat, B. Szpak, S. Lunardi, J. J. Valiente-Dobon, D. Mengoni, E. Farnea, M. P. Carpenter, G. De Angelis, F. Della Vedova, E. Fioretto, B. Guiot, R. V. F. Janssens, P. F. Mantica, P. Mason, G. Montagnoli, D. R. Napoli, R. Orlandi, I. Pokrovskiy, G. Pollarolo, E. Sahin, F. Scarlassara, R. Silvestri, S. Szilner, C. A. Ur, M. Trotta, and S. Zhu.
PHYSICAL REVIEW C **82**, 034319 (2010)
- [51] Lifetime measurements of excited states in neutron-rich Ar-44, Ar-46 populated via a multinucleon transfer reaction.
D. Mengoni, J. J. Valiente-Dobon, A. Gadea, S. Lunardi, S. M. Lenzi, R. Broda, A. Dewald, T. Pissulla, L. J. Angus, S. Aydin, D. Bazzacco, G. Benzoni, P. G. Bizzeti, A. M. Bizzeti-Sona, P. Boutachkov, L. Corradi, F. Crespi, G. de Angelis, E. Farnea, E. Fioretto, A. Goergen, M. Gorska, A. Gottardo, E. Grodner, A. M. Howard, W. Krolas, S. Leoni, P. Mason, D. Montanari, G. Montagnoli, D. R. Napoli, A. Obertelli, R. Orlandi, T. Pawlat, G. Pollarolo, F. Recchia, A. Algora, B. Rubio, E. Sahin, F. Scarlassara, R. Silvestri, J. F. Smith, A. M. Stefanini, D. Steppebeck, S. Szilner, C. A. Ur, P. T. Wady, and J. Wrzesinski.
PHYSICAL REVIEW C **82**, 024308 (2010)
- [52] New high-spin isomer and quasiparticle-vibration coupling in Ir-187.
V. Modamio, A. Jungclauss, A. Algora, D. Bazzacco, D. Escrig, L. M. Fraile, S. Lenzi, N. Marginean, T. Martinez, D. R. Napoli, R. Schwengner, and C. A. Ur.
PHYSICAL REVIEW C **81**, 054304 (2010)
- [53] Evolution of the Ar isotopic chain: the $N=28$ shell gap south of Ca-48.
D. Mengoni, J. J. Valiente-Dobon, A. Gadea, S. M. Lenzi, S. Lunardi, R. Broda, A. Dewald, T. Pissulla, L. Angus, S. Aydin, D. Bazzacco, G. Benzoni, P. G. Bizzeti, A. M. Bizzeti-Sona, L. Corradi, F. Crespi, G. de Angelis, E. Farnea, E. Fioretto, A. Goergen, A. Gottardo, E. Grodner, W. Krolas, S. Leoni, P. Mason, D. Montanari, G. Montagnoli, D. R. Napoli, A. Obertelli, T. Pawlat, G. Pollarolo, F. Recchia, A. Algora, B. Rubio, E. Sahin, F. Scarlassara, J. F. Smith, A. M. Stefanini, S. Szilner, C. A. Ur, P. T. Wady, and J. Wrzesinski.
NUCLEAR PHYSICS A **834**, 69C (2010)
- [54] Spectroscopy of neutron-rich Dy-168, Dy-170: Yrast band evolution close to the NpNu valence maximum.
P. A. Soderstrom, J. Nyberg, P. H. Regan, A. Algora, G. de Angelis, S. F. Ashley, S. Aydin, D. Bazzacco, R. J. Casperson, W. N. Catford, J. Cederkall, R. Chapman, L. Corradi, C. Fahlander, E. Farnea, E. Fioretto, S. J. Freeman, A. Gadea, W. Gelletly, A. Gottardo, E. Grodner, C. Y. He, G. A. Jones, K. Keyes, M. Labiche, X. Liang, Z. Liu, S. Lunardi, N. Marginean, P. Mason, R. Menegazzo, D. Mengoni, G. Montagnoli, D. Napoli, J. Ollier, S. Pietri, Z. Podolyak, G. Pollarolo, F. Recchia, E. Sahin, F. Scarlassara, R. Silvestri, J. F. Smith, K. M. Spohr, S. J. Steer, A. M. Stefanini, S. Szilner, N. J. Thompson, G. M. Tveten, C. A. Ur, J. J. Valiente-Dobon, V. Werner, S. J. Williams, F. R. Xu, and J. Y. Zhu.
PHYSICAL REVIEW C **81**, 034310 (2010)
- [55] g factors of coexisting isomeric states in Pb-188.
M. Ionescu-Bujor, A. Iordachescu, C. A. Ur, N. Marginean, G. Suliman, D. Bucurescu, F. Brandolini, F. Della Vedova, S. Chmel, S. M. Lenzi, R. Marginean, N. H. Medina, D. R. Napoli, P. Pavan, and R. V. Ribas.
PHYSICAL REVIEW C **81**, 024323 (2010)
- [56] High-spin structure of Cl-37, intruder excitations, and the sd-fp shell gap.
M. Ionescu-Bujor, A. Iordachescu, S. M. Lenzi, D. R. Napoli, N. Marginean, N. H. Medina,

- D. Bazzacco, D. Bucurescu, G. de Angelis, F. Della Vedova, E. Farnea, A. Gadea, R. Menegazzo, S. Lunardi, C. A. Ur, S. Zilio, T. Otsuka, and Y. Utsuno.
PHYSICAL REVIEW C **80**, 034314 (2009)
- [57] Evolution of deformation in the neutron-rich krypton isotopes: The Kr-96 nucleus.
N. Marginean, D. Bucurescu, C. A. Ur, C. Mihai, L. Corradi, E. Farnea, D. Filipescu, E. Fioretto, D. Ghita, B. Guiot, M. Gorska, M. Ionescu-Bujor, A. Iordachescu, D. Jelavic-Malenica, S. M. Lenzi, P. Mason, R. Marginean, D. Mengoni, G. Montagnoli, D. R. Napoli, S. Pascu, G. Pollarolo, F. Recchia, A. M. Stefanini, R. Silvestri, T. Sava, F. Scarlassara, S. Szilner, and N. V. Zamfir.
PHYSICAL REVIEW C **80**, 021301 (2009)
- [58] Coherent Contributions to Isospin Mixing in the Mirror Pair As-67 and Se-67.
R. Orlandi, G. de Angelis, P. G. Bizzeti, S. Lunardi, A. Gadea, A. M. Bizzeti-Sona, A. Bracco, F. Brandolini, M. P. Carpenter, C. J. Chiara, F. Della Vedova, E. Farnea, J. P. Greene, S. M. Lenzi, S. Leoni, C. J. Lister, N. Marginean, D. Mengoni, D. R. Napoli, B. S. N. Singh, O. L. Pechenaya, F. Recchia, W. Reviol, E. Sahin, D. G. Sarantites, D. Seweryniak, D. Tonev, C. A. Ur, J. J. Valiente-Dobon, R. Wadsworth, K. T. Wiedemann, and S. Zhu.
PHYSICAL REVIEW LETTERS **103**, 052501 (2009)
- [59] Lifetime Measurements of the Neutron-Rich $N = 30$ Isotones Ca-50 and Sc-51: Orbital Dependence of Effective Charges in the $f p$ Shell (vol 102, art no 242504, 2009).
J. J. Valiente-Dobon, D. Mengoni, A. Gadea, E. Farnea, S. M. Lenzi, S. Lunardi, A. Dewald, T. Pissulla, S. Szilner, R. Broda, F. Recchia, A. Algora, L. Angus, D. Bazzacco, G. Benzoni, P. G. Bizzeti, A. M. Bizzeti-Sona, P. Boutachkov, L. Corradi, F. Crespi, G. de Angelis, E. Fioretto, A. Gorgen, M. Gorska, A. Gottardo, E. Grodner, B. Guiot, A. Howard, W. Krolas, S. Leoni, P. Mason, R. Menegazzo, D. Montanari, G. Montagnoli, D. R. Napoli, A. Obertelli, T. Pawlat, G. Pollarolo, B. Rubio, E. Sahin, F. Scarlassara, R. Silvestri, A. M. Stefanini, J. F. Smith, D. Steppenbeck, C. A. Ur, P. T. Wady, J. Wrzesinski, E. Maglione, and I. Hamamoto.
PHYSICAL REVIEW LETTERS **103**, 059903 (2009)
- [60] Lifetime Measurements of the Neutron-Rich $N=30$ Isotones Ca-50 and Sc-51: Orbital Dependence of Effective Charges in the fp Shell.
J. J. Valiente-Dobon, D. Mengoni, A. Gadea, E. Farnea, S. M. Lenzi, S. Lunardi, A. Dewald, T. Pissulla, S. Szilner, R. Broda, F. Recchia, A. Algora, L. Angus, D. Bazzacco, G. Benzoni, P. G. Bizzeti, A. M. Bizzeti-Sona, P. Boutachkov, L. Corradi, F. Crespi, G. de Angelis, E. Fioretto, A. Goergen, M. Gorska, A. Gottardo, E. Grodner, B. Guiot, A. Howard, W. Krolas, S. Leoni, P. Mason, R. Menegazzo, D. Montanari, G. Montagnoli, D. R. Napoli, A. Obertelli, T. Pawlat, B. Rubio, E. Sahin, F. Scarlassara, R. Silvestri, A. M. Stefanini, J. F. Smith, D. Steppenbeck, C. A. Ur, P. T. Wady, J. Wrzesinski, E. Maglione, and I. Hamamoto.
PHYSICAL REVIEW LETTERS **102**, 242502 (2009)
- [61] Position resolution of the prototype AGATA triple-cluster detector from an in-beam experiment.
F. Recchia, D. Bazzacco, E. Farnea, A. Gadea, R. Venturelli, T. Beck, P. Bednarczyk, A. Buerger, A. Dewald, M. Dimmock, G. Duchene, J. Eberth, T. Faul, J. Gerl, R. Gernhaeuser, K. Hauschild, A. Holler, P. Jones, W. Korten, T. Kroell, R. Kruecken, N. Kurz, J. Ljungvall, S. Lunardi, P. Maierbeck, D. Mengoni, J. Nyberg, L. Nelson, G. Pascovici, P. Reiter, H. Schaffner, M. Schlarb, T. Steinhardt, O. Thelen, C. A. Ur, J. J. V. Dobon, and D. Weisshaar.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT **604**, 555 (2009)
- [62] Application of the Recursive Subtraction Pulse Shape Analysis algorithm to in-beam HPGe signals.

- F. C. L. Crespi, F. Camera, A. Bracco, B. Million, O. Wieland, V. Vandone, F. Recchia, A. Gadea, T. Kroell, D. Mengoni, E. Farnea, C. A. Ur, D. Bazzacco, and A. Collaboration. NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT **604**, 604 (2009)
- [63] Performance of an AGATA prototype detector estimated by Compton-imaging techniques. F. Recchia, D. Bazzacco, E. Farnea, R. Venturelli, S. Aydin, G. Suliman, and C. A. Ur. NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT **604**, 60 (2009)
- [64] High-spin level structure in Mo-94, Mo-95. Y. H. Zhang, M. Hasegawa, W. T. Guo, M. L. Liu, X. H. Zhou, G. de Angelis, T. M. Axiotis, A. Gadea, N. Marginean, Martinez, D. R. Napoli, C. Rusu, Z. Podolyak, C. Ur, D. Bazzacco, F. Brandolini, S. Lunardi, S. M. Lenzi, R. Menegazzo, R. Schwengner, A. Gargano, W. von Oertzen, and S. Tazaki. PHYSICAL REVIEW C **79**, 044316 (2009)
- [65] HEAVY ION TRANSFER REACTIONS STUDIED WITH PRISMA plus CLARA. L. Corradi, S. Szilner, G. Pollarolo, S. Beghini, E. Fioretto, B. Guiot, N. M. Marginean, P. Mason, G. Montagnoli, F. Scarlassara, R. Silvestri, A. M. Stefanini, E. Farnea, C. A. Ur, S. Aydin, G. de Angelis, A. Gadea, R. Orlandi, S. Lunardi, R. Marginean, D. Mengoni, D. R. Napoli, C. Mihai, F. Recchia, E. Sahin, N. Soic, D. Jelavic, J. J. Valiente-Dobon, and F. Della Vedova. ACTA PHYSICA POLONICA B **40**, 457 (2009)
- [66] LIFETIME MEASUREMENTS OF EXCITED STATES IN NEUTRON-RICH NUCLEI AROUND Ca-48. D. Mengoni, J. J. Valiente-Dobon, A. Gadea, E. Farnea, S. M. Lenzi, S. Lunardi, A. Dewald, T. Pissulla, S. Szilner, A. M. Stefanini, R. Broda, F. Recchia, A. Algora, L. Angus, S. Aydin, D. Bazzacco, G. Benzoni, P. G. Bizzeti, A. M. Bizzeti-Sona, P. Boutachkov, L. Corradi, F. Crespi, G. de Angelis, E. Fioretto, A. Goergen, M. Gorska, A. Gottardo, E. Grodner, A. Howard, W. Krolas, S. Leoni, P. Mason, R. Menegazzo, D. Montanari, G. Montagnoli, D. R. Napoli, A. Obertelli, T. Pawlat, B. Rubio, E. Sahin, F. Scarlassara, J. F. Smith, D. Steppenbeck, C. A. Ur, P. T. Wady, and J. Wrzesinski. ACTA PHYSICA POLONICA B **40**, 485 (2009)
- [67] EXPLORING THE PERFORMANCE OF THE SPECTROMETER PRISMA IN HEAVY ZIRCONIUM AND XENON MASS REGIONS. P. Mason, L. Corradi, E. Fioretto, B. Guiot, R. Silvestri, A. M. Stefanini, S. Beghini, G. Montagnoli, F. Scarlassara, N. Marginean, S. Szilner, G. Pollarolo, E. Farnea, A. Gadea, D. Mengoni, D. R. Napoli, F. Recchia, E. Sahin, C. A. Ur, J. J. Valiente-Dobon, R. Chapman, S. Freeman, A. Hodsdon, G. Jones, M. Labiche, D. O'Donnell, J. Ollier, R. Orlandi, J. Smith, K. Spohr, N. Thompson, P. Wady, and Z. Wang. ACTA PHYSICA POLONICA B **40**, 489 (2009)
- [68] POPULATION OF NEUTRON-RICH NUCLEI AROUND Ca-48 WITH DEEP INELASTIC COLLISIONS. D. Montanari, S. Leoni, G. Benzoni, N. Blasi, A. Bracco, S. Brambilla, F. Camera, A. Corsi, F. C. L. Crespi, B. Million, B. Nicolini, O. Wieland, L. Corradi, G. de Angelis, F. Della Vedova, E. Fioretto, A. Gadea, B. Guiot, D. B. Napoli, R. Orlandi, F. Recchia, R. Silvestri, A. M. Stefanini, R. P. Singh, S. Szilner, J. J. Valiente-Dobon, D. Bazzacco, E. Farnea, S. M. Lenzi,

S. Lunardi, P. Mason, D. Mengoni, G. Montagnoli, F. Scarlassara, **C. Ur**, G. Lo Bianco, A. Zucchiatti, M. Kmiecik, A. Maj, W. Meczynski, and G. Pollarolo.
ACTA PHYSICA POLONICA B **40**, 585 (2009)

- [69] Spallation and fission products in the (p+Hf-179) and (p+Hf-nat) reactions.
S. A. Karamian, C. A. Ur, J. Adam, V. G. Kalinnikov, N. A. Lebedev, G. K. Vostokin, C. B. Collins, and I. I. Popescu.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT **600**, 488 (2009)
- [70] In-beam gamma-ray spectroscopy and shell-model description of Y-85, Y-86 isotopes.
C. Rusu, C. A. Ur, D. Bucurescu, A. Iordachescu, N. Marginean, G. Cata-Danil, I. Cata-Danil, M. Ionescu-Bujor, M. Ivascu, D. Bazzacco, T. Kroell, S. Lenzi, S. Lunardi, R. Menegazzo, C. R. Alvarez, G. de Angelis, A. Gadea, and D. Napoli.
NUCLEAR PHYSICS A **818**, 1 (2009)
- [71] Identification of yrast high-K intrinsic states in Os-188.
V. Modamio, A. Jungclaus, Z. Podolyak, Y. Shi, F. R. Xu, A. Algora, D. Bazzacco, D. Escrig, L. M. Fraile, S. Lenzi, N. Marginean, T. Martinez, D. R. Napoli, R. Schwengner, and C. A. Ur.
PHYSICAL REVIEW C **79**, 024310 (2009)
- [72] Nuclear spectroscopy near the proton drip line in the lanthanide region: The (122)La nucleus.
M. Fantuzzi, C. M. Petrache, D. Mengoni, M. Axiotis, D. Bazzacco, G. Benzoni, P. G. Bizzeti, A. M. Bizzeti-Sona, N. Blasi, A. Bracco, G. de Angelis, E. Farnea, A. Gadea, T. Kroll, S. Leoni, H. L. Liu, S. Lunardi, N. Marginean, R. Menegazzo, D. R. Napoli, M. Nespolo, P. Pavan, C. R. Alvarez, P. Spolaore, C. A. Ur, R. Venturelli, and F. R. Xu.
EUROPEAN PHYSICAL JOURNAL A **38**, 43 (2008)
- [73] Signature inversion and deformation driving effects in (178)Ir (vol 67, art no 024308, 2003).
D. Hojman, M. A. Cardona, D. R. Napoli, S. M. Lenzi, J. Davidson, M. Davidson, C. A. Ur, G. Lo Bianco, C. M. Petrache, M. Axiotis, D. Bazzacco, A. De Poli, G. de Angelis, E. Farnea, T. Kroell, S. Lunardi, N. Marginean, T. Martinez, R. Menegazzo, B. Quintana, and C. R. Alvarez.
PHYSICAL REVIEW C **78**, 029903 (2008)
- [74] Spectroscopy of neutron-rich (59-63)Mn isotopes.
J. J. Valiente-Dobon, S. M. Lenzi, S. J. Freeman, S. Lunardi, J. F. Smith, A. Gottardo, F. Della Vedova, E. Farnea, A. Gadea, D. R. Napoli, M. Axiotis, S. Aydin, D. Bazzacco, P. G. Bizzeti, A. M. Bizzeti-Sona, G. Benzoni, D. Bucurescu, L. Corradi, A. N. Deacon, G. de Angelis, E. Fioretto, B. Guiot, M. Ionescu-Bujor, A. Iordachescu, S. Leoni, N. Marginean, R. Marginean, P. Mason, R. Menegazzo, D. Mengoni, B. Million, G. Montagnoli, R. Orlandi, F. Recchia, E. Sahin, F. Scarlassara, R. P. Singh, A. M. Stefanini, D. Steppenbeck, S. Szilner, C. A. Ur, B. J. Varley, and O. Wieland.
PHYSICAL REVIEW C **78**, 024302 (2008)
- [75] Shape coexistence in light Se isotopes: Evidence for oblate shapes.
J. Ljungvall, A. Goergen, M. Girod, J. P. Delaroche, A. Dewald, C. Dossat, E. Farnea, W. Korten, B. Melon, R. Menegazzo, A. Obertelli, R. Orlandi, P. Petkov, T. Pissulla, S. Siem, R. P. Singh, J. Srebrny, C. Theisen, C. A. Ur, J. J. Valiente-Dobon, K. O. Zell, and M. Zielinska.
PHYSICAL REVIEW LETTERS **100**, 102502 (2008)

- [76] In-beam experiment with the gamma-ray tracking detector MARS.
T. Kroell, D. Bazzacco, R. Venturelli, M. Nespolo, B. Q. Arnes, C. A. Ur, M. Bellato, R. Isocrate, C. Manea, R. Menegazzo, P. Pavan, C. R. Alvarez, E. Farnea, A. Gadea, D. Rosso, P. Spolaore, F. Camera, B. Million, A. Pullia, O. Wieland, A. Geraci, G. Ripamonti, and M. Descovich.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT **586**, 421 (2008)
- [77] Decay of a narrow and high spin Mg-24+Mg-24 resonance.
M. D. Salsac, F. Haas, S. Courtin, A. Algora, C. Beck, S. Beghini, B. R. Behera, R. Chapman, L. Corradi, Z. Dombardi, E. Farnea, E. Fioretto, A. Gadea, D. G. Jenkins, A. Latina, D. Lebhertz, S. Lenzi, X. Liang, N. Marginean, G. Montagnoli, D. Napoli, P. Papka, I. Pokrovski, G. Pollarolo, M. Rousseau, E. Sahin, A. S. I. Zafra, F. Scarlassara, D. Sohler, A. M. Stefanini, S. Szilner, M. Trotta, **C. Ur**, F. Della Vedova, Z. M. Wang, and K. T. Wiedemann.
NUCLEAR PHYSICS A **801**, 1 (2008)
- [78] Revised and extended level scheme of the doubly-odd nucleus (188)Ir.
A. Jungclauss, V. Modamio, J. L. Egido, R. Schwengner, A. Algora, D. Bazzacco, D. Escrig, M. A. Fernandez, L. M. Fraile, S. Lenzi, N. Marginean, T. Martinez, D. R. Napoli, and C. A. Ur.
PHYSICAL REVIEW C **77**, 024310 (2008)
- [79] Yrast structure of the neutron-rich N=31 isotones (51)Ca and (52)Sc.
B. Fornal, R. V. F. Janssens, R. Broda, N. Marginean, S. Beghini, L. Corradi, M. P. Carpenter, G. De Angelis, F. Della Vedova, E. Farnea, E. Fioretto, A. Gadea, B. Guiot, M. Honma, W. Krolas, T. Lauritsen, S. Lunardi, P. F. Mantica, P. Mason, G. Montagnoli, D. R. Napoli, T. Otsuka, T. Pawlat, G. Pollarolo, F. Scarlassara, A. M. Stefanini, D. Seweryniak, S. Szilner, C. A. Ur, M. Trotta, J. J. Valiente-Dobon, J. Wrzesinski, and S. Zhu.
PHYSICAL REVIEW C **77**, 014304 (2008)
- [80] Spallation with intermediate energy protons as source of long-lived isomers.
C. A. Ur and S. A. Karamian.
ROMANIAN REPORTS IN PHYSICS **60**, 539 (2008)
- [81] gamma-ray spectroscopy of the neutron-rich nuclei (89)Rb, (92)Y, and (93)Y with multinucleon transfer reactions.
D. Bucurescu, C. Rusu, N. Marginean, C. A. Ur, G. de Angelis, L. Corradi, D. Bazzacco, S. Beghini, F. Della Vedova, G. Duchene, E. Farnea, T. Faul, E. Fioretto, A. Gadea, W. Gelletly, B. Guiot, M. Ionescu-Bujor, A. Iordachescu, S. D. Landown, S. M. Lenzi, S. Lunardi, P. Mason, C. Mihai, R. Marginean, R. Menegazzo, G. Montagnoli, D. Napoli, Z. Podolyak, P. H. Regan, F. Scarlassara, A. M. Stefanini, G. Suliman, S. Szilner, M. Trotta, J. J. Valiente-Dobon, and Y. H. Zhang.
PHYSICAL REVIEW C **76**, 064301 (2007)
- [82] Publisher's note: Yrast studies of (80,82)Se using deep-inelastic reactions (vol 76, art no 054317, 2007).
G. A. Jones, P. H. Regan, Z. Podolyak, N. Yoshinaga, K. Higashiyama, G. de Angelis, Y. H. Zhang, A. Gadea, C. A. Ur, M. Axiotis, D. Bazzacco, D. Bucurescu, E. Farnea, W. Gelletly, M. Ionescu-Bujor, A. Iordachescu, T. Kroell, S. D. Langdown, S. Lenzi, S. Lunardi, N. Marginean, T. Martinez, N. H. Medina, R. Menegazzo, D. R. Napoli, B. Quintana, B. Rubio, C. Rusu, R. Schwengner, D. Tonev, J. J. V. Dobon, and W. von Oertzen.
PHYSICAL REVIEW C **76**, 069905 (2007)

- [83] The heavy-ion magnetic spectrometer PRISMA.
P. Mason, N. Marginean, G. Montagnoli, S. Beghini, F. Scarlassara, E. Farnea, C. A. Ur, A. Meroni, A. M. Stefanini, L. Corradi, E. Fioretto, I. V. Pokrovskiy, B. Guiot, A. Gadea, J. J. Valiente-Dobn, F. Della Vedova, R. Orlandi, E. Sahin, D. R. Napoli, L. Berti, N. Toniolo, S. Szilner, M. Trotta, M. Romoli, M. La Commara, D. Pierroutsakou, M. Sandoli, G. Pollarolo, and G. Benzoni.
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS **150**, 359 (2007)
- [84] Yrast studies of (80,82)Se using deep-inelastic reactions.
G. A. Jones, P. H. Regan, Z. Podolyak, N. Yoshinaga, K. Higashiyama, G. de Angelis, Y. H. Zhang, A. Gadea, C. A. Ur, M. Axiotis, D. Bazzacco, D. Bucurescu, E. Farnea, W. Gelletly, M. Ionescu-Bujor, A. Iordachescu, T. Kroell, S. D. Langdown, S. Lenzi, S. Lunardi, N. Marginean, T. Martinez, N. H. Medina, R. Menegazzo, D. R. Napoli, B. Quintana, B. Rubio, C. Rusu, R. Schwenger, D. Tonev, J. J. V. Doban, and W. von Oertzen.
PHYSICAL REVIEW C **76**, 054317 (2007)
- [85] Spectroscopy of neutron-rich Fe isotopes populated in the Ni-64+U-238 reaction.
S. Lunardi, S. M. Lenzi, F. Della Vedova, E. Farnea, A. Gadea, N. Marginean, D. Bazzacco, S. Beghini, P. G. Bizzeti, A. M. Bizzeti-Sona, D. Bucurescu, L. Corradi, A. N. Deacon, G. de Angelis, E. Fioretto, S. J. Freeman, M. Ionescu-Bujor, A. Iordachescu, P. Mason, D. Mengoni, G. Montagnoli, D. R. Napoli, F. Nowacki, R. Orlandi, G. Pollarolo, F. Recchia, F. Scarlassara, J. F. Smith, A. M. Stefanini, S. Szilner, C. A. Ur, J. J. Valiente-Dobon, and B. J. Varley.
PHYSICAL REVIEW C **76**, 034303 (2007)
- [86] Multinucleon transfer reactions in closed-shell nuclei.
S. Szilner, C. A. Ur, L. Corradi, N. Marginean, G. Pollarolo, A. M. Stefanini, S. Beghini, B. R. Behera, E. Fioretto, A. Gadea, B. Guiot, A. Latina, P. Mason, G. Montagnoli, F. Scarlassara, M. Trotta, G. De Angelis, F. Della Vedova, E. Farnea, F. Haas, S. Lenzi, S. Lunardi, R. Marginean, R. Menegazzo, D. R. Napoli, M. Nespolo, I. V. Pokrovsky, F. Recchia, M. Romoli, M.-D. Salsac, N. Soic, and J. J. Valiente-Dobon.
PHYSICAL REVIEW C **76**, 024604 (2007)
- [87] High-spin gamma-ray spectroscopy in Mn-52.
M. Axiotis, S. M. Lenzi, N. Marginean, D. R. Napoli, C. A. Ur, F. Brandolini, E. Farnea, A. Gadea, A. Algora, G. de Angelis, D. Bazzacco, P. G. Bizzeti, A. Bizzeti-Sona, P. von Brentano, J. A. Cameron, A. Dewald, H. Grawe, C. A. Kalfas, S. Lunardi, T. Martinez, C. T. Papadopoulos, Z. Podolyak, C. R. Alvarez, J. Sanchez-Solano, D. Tonev, and R. Vlastou.
PHYSICAL REVIEW C **76**, 014303 (2007)
- [88] Shape coexistence in neutron-deficient Pb nuclei probed by quadrupole moment measurements.
M. Ionescu-Bujor, A. Iordachescu, N. Marginean, C. A. Ur, D. Bucurescu, G. Suliman, D. L. Balabanski, F. Brandolini, S. Chmel, P. Detistov, K. A. Gladnishki, H. Huebel, S. Mallion, R. Marginean, N. H. Medina, D. R. Napoli, G. Neyens, P. Pavan, R. V. Ribas, C. Rusu, K. Turzo, and N. Vermeulen.
PHYSICS LETTERS B **650**, 141 (2007)
- [89] Quadrupole moments for isomeric states with normal and intruder configurations in neutron-deficient Pb nuclei.
M. Ionescu-Bujor, A. Iordachescu, N. Marginean, C. A. Ur, G. Suliman, D. Bucurescu, D. L. Balabanski, F. Brandolini, S. Chmel, K. A. Gladnishki, H. Huebel, R. Marginean, and G. Neyens.
ACTA PHYSICA POLONICA B **38**, 1249 (2007)

- [90] Recent results on neutron-rich nuclei spectroscopy with the CLARA-PRISMA setup.
A. Gaidea, E. Sahin, J. J. Valiente-Dobon, A. Dewald, E. Farnea, G. De Angelis, M. Axiotis, D. R. Napoli, R. Orlandi, F. Della Vedova, E. Fioretto, L. Corradi, A. M. Stefanini, A. Latina, N. Marginean, S. Szilner, O. Moeller, B. Melon, D. Bazzacco, S. Beghini, S. M. Lenzi, S. Lunardi, C. Montagnoli, R. Menegazzo, F. Scarlassara, **C. Ur**, N. A. Kondratiev, E. M. Kozulin, C. Benzoni, A. Bracco, S. Rambilla, F. Camera, S. Leoni, B. Million, M. Pignanelli, G. Pollarolo, M. Trotta, P. C. Bizzeti, A. M. Bizzeti-Sona, D. Curien, G. Duchene, T. Faul, R. Chapman, X. Liang, F. Azaiez, S. J. Freeman, B. J. Varley, and V. Pucknell.
ACTA PHYSICA POLONICA B **38**, 1311 (2007)
- [91] Structure of the N similar to Z 1f(7/2) shell nuclei.
C. A. Ur.
ACTA PHYSICA POLONICA B **38**, 1343 (2007)
- [92] The GERmanium Detector Array read-out: Status and developments.
C. Cattadori, O. Chkvorets, M. Junker, K. Kroeninger, L. Pandola, A. Pullia, V. Re, C. Tomei, **C. Ur**, and F. Zocca.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT **572**, 479 (2007)
- [93] Isospin symmetry breaking at high spin in the mirror nuclei Ar-35 and Cl-35.
F. Della Vedova, S. M. Lenzi, M. Ionescu-Bujor, N. Marginean, M. Axiotis, D. Bazzacco, A. M. Bizzeti-Sona, P. G. Bizzeti, A. Bracco, F. Brandolini, D. Bucurescu, E. Farnea, A. Iordachescu, S. Lunardi, T. Martinez, P. Mason, R. Menegazzo, B. Million, D. R. Napoli, M. Nespolo, P. Pavan, C. R. Alvarez, C. A. Ur, R. Venturelli, and A. P. Zuker.
PHYSICAL REVIEW C **75** (2007)
- [94] Spectroscopy of neutron-rich P-37.
A. Hodsdon, R. Chapman, X. Liang, F. Haas, J. Ollier, E. Caurier, F. Nowacki, M. D. Salsac, F. Azaiez, S. Beghini, B. Behera, M. Burns, L. Corradi, D. Curien, A. N. Deacon, Z. Dombradi, E. Farnea, E. Fioretto, A. Gadea, A. Jungclaus, K. L. Keyes, A. Latina, N. Marginean, G. Montagnoli, D. Napoli, D. O'Donnell, A. Papenberg, F. Scarlassara, J. F. Smith, K. M. Spohr, M. Stanoiu, A. Stefanini, S. Szilner, M. Trotta, **C. Ur**, D. Verney, and Z. Wang.
PHYSICAL REVIEW C **75**, 034313 (2007)
- [95] High-K band in Gd-140.
J. R. B. Oliveira, F. Falla-Sotelo, M. N. Rao, J. A. Alcantara-Nunez, E. W. Cybulska, N. H. Medina, R. V. Ribas, M. A. Rizzutto, W. A. Seale, D. Bazzacco, F. Brandolini, S. Lunardi, C. Rossi-Alvarez, C. Petrache, Z. Podolyak, C. A. Ur, D. de Acuna, G. de Angelis, E. Farnea, D. Foltescu, A. Gadea, D. R. Napoli, M. de Poli, P. Spolaore, M. Ionescu-Bujor, and A. Iordachescu.
BRAZILIAN JOURNAL OF PHYSICS **36**, 1371 (2006)
- [96] Status of the Germanium Detector Array (GERDA) in the search of neutrinoless beta beta decays of Ge-76 at LNGS.
S. Schoenert, I. Abt, M. Altmann, A. M. Bakalyarov, I. Barabanov, C. Bauer, M. Bauer, E. Bellotti, S. Belogurov, S. T. Belyaev, A. Bettini, L. Bezrukov, V. Brudanin, V. P. Bolotsky, A. Caldwell, C. Cattadori, M. V. Chirchenko, O. Chkvorets, E. Demidova, A. Di Vacri, J. Eberth, V. Egorov, E. Farnea, A. Gangapshv, J. Gasparro, P. Grabmayr, G. Y. Grigoriev, V. Gurentsov, K. Gusev, W. Hampel, G. Heusser, M. Heisel, W. Hofmann, M. Hult, L. V. Inzhechik, J. Jochum, M. Junker, S. Katulina, J. Kiko, I. V. Kirpichnikov, A. Klimenko, M. Knapp,

K. T. Knoepfle, O. Kochetov, V. N. Kornoukhov, K. Kroeninger, V. V. Kuzminov, M. Laubenstein, V. I. Lebedev, X. Liu, B. Majorovits, G. Marissens, I. Nemchenok, L. Pandola, P. Peiffer, A. Pullia, C. R. Alvarez, V. Sandukovsky, S. Scholl, J. Schreiner, U. Schwan, B. Schwingenheuer, H. Simgen, A. Smolnikov, F. Stelzer, A. V. Tikhomirov, C. Tomei, C. A. Ur, A. A. Vasenko, S. Vasiliev, D. Weisshaar, M. Wojcik, E. Yanovich, J. Yurkowski, S. V. Zhukov, F. Zocca, G. Zuzel, and G. Collaboration.

PHYSICS OF ATOMIC NUCLEI **69**, 2101 (2006)

- [97] Observation of Ni-54: Cross-conjugate symmetry in $f(7/2)$ mirror energy differences (vol 97, art no 152501, 2006).

A. Gadea, S. M. Lenzi, S. Lunardi, N. Marginean, A. P. Zuker, G. de Angelis, M. Axiotis, T. Martinez, D. R. Napoli, E. Farnea, R. Menegazzo, P. Pavan, C. A. Ur, D. Bazzacco, R. Venturelli, P. Kleinheinz, P. Bednarczyk, D. Curien, O. Dorvaux, J. Nyberg, H. Grawe, M. Gorska, M. Palacz, K. Lagergren, L. Milechina, J. Ekman, D. Rudolph, C. Andreoiu, M. A. Bentley, W. Gelletly, B. Rubio, A. Algora, E. Nacher, L. Caballero, M. Trotta, and M. Moszynski.

PHYSICAL REVIEW LETTERS **97**, 199901 (2006)

- [98] Yrast states in Os-188,Os-190 nuclei.

S. Mohammadi, G. De Angelis, M. Axiotis, D. Bazzacco, P. G. Bizzeti, F. Brandolini, R. Broda, D. Bucurescu, E. Farnea, W. Gelletly, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, T. Kroll, S. Longdown, S. Lunardi, N. Marginean, T. Martinez, N. Medina, Z. Podolyak, B. Quintana, P. H. Regan, B. Rubio, C. A. Ur, J. J. V. Dobon, P. M. Walker, and Y. H. Zhang.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS **15**, 1797 (2006)

- [99] Observation of Ni-54 : Cross-conjugate symmetry in $f(7/2)$ mirror energy differences.

A. Gadea, S. M. Lenzi, S. Lunardi, N. Marginean, A. P. Zuker, G. de Angelis, M. Axiotis, T. Martinez, D. R. Napoli, E. Farnea, R. Menegazzo, P. Pavan, C. A. Ur, D. Bazzacco, R. Venturelli, P. Kleinheinz, P. Bednarczyk, D. Curien, O. Dorvaux, J. Nyberg, H. Grawe, M. Gorska, M. Palacz, K. Lagergren, L. Milechina, J. Ekman, D. Rudolph, C. Andreoiu, M. A. Bentley, W. Gelletly, B. Rubio, A. Algora, E. Nacher, L. Caballero, M. Trotta, and M. Moszynski.

PHYSICAL REVIEW LETTERS **97**, 152501 (2006)

- [100] Electromagnetic transition strengths in Dy-156.

O. Moeller, A. Dewald, P. Petkov, B. Saha, A. Fitzler, K. Jessen, D. Tonev, T. Klug, S. Heinze, J. Jolie, P. von Brentano, D. Bazzacco, C. A. Ur, E. Farnea, M. Axiotis, S. Lunardi, G. de Angelis, D. R. Napoli, N. Marginean, T. Martinez, M. A. Caprio, and R. F. Casten.

PHYSICAL REVIEW C **74**, 024313 (2006)

- [101] Reaction-dependent spin population and evidence of breakup in O-18.

D. Hojman, M. Cardona, A. Arazi, O. Capurro, J. Fernandez-Niello, G. Marti, A. Pacheco, J. Testoni, D. Bazzacco, A. Burlon, J. Davidson, M. Davidson, G. de Angelis, M. De Poli, M. Debray, A. Gadea, A. Kreiner, S. Lenzi, S. Lunardi, N. Medina, D. Napoli, C. Alvarez, and C. Ur.

PHYSICAL REVIEW C **73**, 044604 (2006)

- [102] Shape transitions far from stability: The nucleus Cr-58.

N. Marginean, S. Lenzi, A. Gadea, E. Farnea, S. Freeman, D. Napoli, D. Bazzacco, S. Beghini, B. Behera, P. Bizzeti, A. Bizzeti-Sona, D. Bucurescu, R. Chapman, L. Corradi, A. Deacon, G. de Angelis, F. Della Vedova, E. Fioretto, M. Ionescu-Bujor, A. Iordachescu, T. Kroll, A. Latina, X. Liang, S. Lunardi, G. Montagnoli, R. Marginean, M. Nespolo, G. Pollarolo, C. Rusu, F. Scarlassara, J. Smith, K. Spohr, A. Stefanini, S. Szilner, M. Trotta, C. Ur, B. Varley,

and W. Zhimin.

PHYSICS LETTERS B **633**, 696 (2006)

- [103] High-spin octupole yrast levels in Rn-216(86).
M. Debray, J. Davidson, M. Davidson, A. Kreiner, M. Cardona, D. Hojman, D. Napoli, S. Lenzi, G. de Angelis, D. Bazzacco, S. Lunardi, M. De Poli, C. Rossi-Alvarez, A. Gadea, N. Medina, and C. Ur.
PHYSICAL REVIEW C **73**, 024314 (2006)
- [104] High spin structure and intruder configurations in P-31.
M. Ionescu-Bujor, A. Iordachescu, D. Napoli, S. Lenzi, N. Marginean, T. Otsuka, Y. Utsuno, R. Ribas, M. Axiotis, D. Bazzacco, A. Bizzeti-Sona, P. Bizzeti, F. Brandolini, D. Bucurescu, M. Cardona, G. de Angelis, M. De Poli, F. Della Vedova, E. Farnea, A. Gadea, D. Hojman, C. Kalfas, T. Kroll, S. Lunardi, T. Martinez, P. Mason, P. Pavan, B. Quintana, C. Alvarez, C. Ur, R. Vlastou, and S. Zilio.
PHYSICAL REVIEW C **73**, 024310 (2006)
- [105] Studies of neutron-rich nuclei with the CLARA-PRISMA setup and description of the heavy-ion detector DANTE.
J. Valiente-Dobon, A. Gadea, L. Corradi, G. De Angelis, F. Della Vedova, E. Fioretto, N. Marginean, D. Napoli, I. Pokrovsky, A. Stefanini, X. Zhang, S. Beghini, E. Farnea, S. Lunardi, R. Menegazzo, G. Montagnoli, F. Scarlassara, C. Ur, N. Kondratiev, E. Kozulin, S. Brambilla, G. Pollarolo, M. Trotta, and S. Szilner.
ACTA PHYSICA POLONICA B **37**, 225 (2006)
- [106] Octupole-deformed molecular bands in Ne-21.
C. Wheldon, T. Kokalova, W. von Oertzen, S. Thummerer, H. Bohlen, B. Gebauer, A. Tumino, T. Massey, G. de Angelis, M. Axiotis, A. Gadea, T. Kroll, N. Marginean, D. Napoli, M. De Poli, C. Ur, D. Bazzacco, S. Lenzi, C. Alvarez, S. Lunardi, R. Menegazzo, P. Bizzeti, and A. Bizzeti-Sona.
EUROPEAN PHYSICAL JOURNAL A **26**, 321 (2005)
- [107] Lifetime measurement in Kr-74 and Kr-76.
A. Gorgen, E. Clement, A. Chatillon, A. Dewald, W. Korten, Y. Le Coz, N. Marginean, B. Melon, R. Menegazzo, O. Moller, C. Theisen, D. Tonev, C. Ur, and K. Zell.
EUROPEAN PHYSICAL JOURNAL A **26**, 153 (2005)
- [108] Suppression of band crossing in the neutron-rich nuclei Yb-172, Yb-173 due to the absence of a static pair field.
T. Venkova, W. Cast, R. Lieder, D. Bazzacco, G. de Angelis, E. Lieder, A. Pasternak, R. Menegazzo, S. Lunardi, C. Alvarez, C. Ur, T. Martinez, M. Axiotis, D. Napoli, W. Urban, T. Rzaca-Urban, and S. Frauendorf.
EUROPEAN PHYSICAL JOURNAL A **26**, 19 (2005)
- [109] Shell-model description of heavier 1f(7/2) nuclei.
F. Brandolini and C. Ur.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS **31**, S1791 (2005)
- [110] High spin studies of the Er and Tm isotopes around A=166.
M. Burns, R. Chapman, K. Spohr, J. Ollier, M. Labiche, X. Liang, E. Farnea, M. Axiotis, T. Martinez, D. Napoli, C. Ur, and T. Kroll.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS **31**, S1827 (2005)

- [111] Test of the critical point symmetry X(5) in the mass A=180 region.
A. Dewald, O. Moller, B. Saha, K. Jessen, A. Fitzler, B. Melon, T. Pissulla, S. Heinze, J. Jolie, K. Zell, P. von Brentano, P. Petkov, S. Harissopulos, G. De Angelis, T. Martinez, D. Napoli, N. Marginean, M. Axiotis, C. Rusu, D. Tonev, A. Gadea, Y. Zhang, D. Bazzacco, S. Lunardi, C. Ur, R. Menegazzo, and E. Farnea.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS **31**, S1427 (2005)
- [112] The CLARA-PRISMA setup installed at LNL: first results.
A. Gadea, N. Marginean, L. Corradi, S. Lenzi, C. Ur, E. Farnea, G. de Angelis, E. Fioretto, D. Napoli, A. Stefanini, S. Szilner, M. Axiotis, B. Behera, A. Latina, C. Rusu, W. Zhimin, D. Bazzacco, S. Beghini, S. Lunardi, G. Montagnoli, R. Menegazzo, F. Scarlassara, F. Della Vedova, M. Nespolo, A. Bracco, F. Camera, S. Leoni, B. Million, M. Pignanelli, G. Pollarolo, M. Ttotta, P. Bizzeti, A. Bizzeti-Sona, D. Curien, P. Medina, M. Chambit, R. Chapman, X. Liang, S. Freeman, A. Smith, B. Varley, V. Pucknell, and R. Lemmon.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS **31**, S1443 (2005)
- [113] Lifetime measurements in the Yrast magnetic band in Pb-193.
K. Gladnishki, D. Balabanski, P. Petkov, A. Dewald, D. Tonev, M. Axiotis, A. Fitzler, M. Danchev, S. Harissopulos, S. Lalkovski, N. Marginean, T. Martinez, O. Moeller, G. Neyens, A. Spyrou, E. Stefanova, and C. Ur.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS **31**, S1559 (2005)
- [114] Population of yrast states in Os-191 using deep-inelastic reactions.
G. Jones, Z. Podolyak, P. Walker, P. Regan, G. de Angelis, M. Axiotis, D. Bazzacco, P. Bizzeti, F. Brandolini, R. Broda, D. Bucurescu, E. Farnea, W. Gelletly, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, T. Kroll, S. Langdown, S. Lunardi, N. Marginean, T. Martinez, N. Medina, B. Quintana, B. Rubio, C. Ur, J. Valiente-Dobon, S. Williams, and Y. Zhang.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS **31**, S1891 (2005)
- [115] Yrast structure of neutron-rich Ti-53.
B. Fornal, S. Zhu, R. Janssens, M. Honma, R. Broda, B. Brown, M. Carpenter, S. Freeman, N. Hammond, F. Kondev, W. Krolas, T. Lauritsen, S. Liddick, C. Lister, S. Lunardi, P. Mantica, N. Marginean, T. Mizusaki, E. Moore, T. Otsuka, T. Pawlat, D. Seweryniak, B. Tomlin, C. Ur, I. Wiedenhover, and J. Wrzesinski.
PHYSICAL REVIEW C **72**, 044315 (2005)
- [116] Identification of excited states and shell model description of the N=Z+1 nucleus Rh-91 [vol 72, pg 014302, 2005].
N. Marginean, C. Rusu, D. Bucurescu, C. Alvarez, C. Ur, D. Bazzacco, S. Lunardi, P. Pavan, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, T. Kroll, S. Lenzi, T. Martinez, R. Menegazzo, D. Napoli, B. Quintana, P. Spolaore, Y. Zhang, and J. Wrzesinski.
PHYSICAL REVIEW C **72**, 039903 (2005)
- [117] The GERmanium DETECTOR ARRAY (GERDA) for the search of neutrinoless beta beta decays of Ge-76 at LNGS.
S. Schonert, I. Abt, M. Altmann, A. Bakalyarov, I. Barabanov, C. Bauer, M. Bauer, E. Bellotti, S. Belogurov, S. Belyaev, A. Bettini, I. Bezrukov, V. Brudanin, C. Buttner, V. Bolotsky, A. Caldwell, C. Cattadori, M. Chirchenko, O. Chkvorets, H. Clement, E. Demidova, A. Di Vacri, J. Eberth, V. Egorov, E. Farnea, A. Gangapshev, G. Grigoriev, V. Gurentsov, K. Gusev, W. Hampel, G. Heusser, W. Hofmann, L. Inzhechik, J. Jochum, M. Junker, S. Katulina, J. Kiko,

- I. Kirpichnikov, A. Klimenko, K. Knopfle, O. Kochetov, V. Kornoukhov, R. Kotthaus, V. Kusunov, M. Laubenstein, V. Lebedev, X. Liu, H. Moser, I. Nemchenok, L. Pandola, P. Peiffer, R. Richter, K. Rottler, C. Alvarez, V. Sandukovsky, S. Schonert, S. Scholl, J. Schreiner, B. Schwingenheuer, H. Simgen, A. Smolnikov, A. Tikhomirov, C. Tomei, C. Ur, A. Vasenko, S. Vasiliev, D. Weisshaar, M. Wojcik, E. Yanovich, J. Yurkowski, S. Zhukov, G. Zuzel, and G. Collaboration.
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS **145**, 242 (2005)
- [118] Hindered E4 decay of the $12(+)$ yrast trap in Fe-52.
A. Gadea, S. Lenzi, D. Napoli, M. Axiotis, C. Ur, G. Martinez-Pinedo, M. Gorska, E. Roeckl, E. Caurier, F. Nowacki, G. de Angelis, L. Batist, R. Borcea, F. Brandolini, D. Cano-Ott, J. Doring, C. Fahlander, E. Farnea, H. Grawe, M. Hellstrom, Z. Janas, R. Kirchner, M. La Commara, C. Mazzocchi, E. Nacher, C. Plettner, A. Plochocki, B. Rubio, K. Schmidt, R. Schwengner, J. Tain, and J. Zylicz.
PHYSICS LETTERS B **619**, 88 (2005)
- [119] Investigation of high-spin states in Fe-53.
R. du Rietz, S. Williams, D. Rudolph, J. Ekman, C. Fahlander, C. Andreoiu, M. Axiotis, M. Bentley, M. Carpenter, C. Chandler, R. Charity, R. Clark, M. Cromaz, A. Dewald, G. de Angelis, F. Della Vedova, P. Fallon, A. Gadea, G. Hammond, E. Ideguchi, S. Lenzi, A. Macchiavelli, N. Marginean, M. Mineva, O. Moller, D. Napoli, M. Nespolo, W. Reviol, C. Rusu, B. Saha, D. Sarantites, D. Seweryniak, D. Tonev, and C. Ur.
PHYSICAL REVIEW C **72**, 014307 (2005)
- [120] Identification of excited states and shell model description of the $N=Z+1$ nucleus Rh-91.
N. Marginean, C. Rusu, D. Bucurescu, C. Alvarez, C. Ur, D. Bazzacco, S. Lunardi, P. Pavan, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, T. Kroll, S. Lenzi, T. Martinez, R. Menegazzo, D. Napoli, B. Quintana, P. Spolaore, Y. Zhang, and J. Wrzesinski.
PHYSICAL REVIEW C **72**, 014302 (2005)
- [121] Shell-model description of N similar or equal to Z $1f(7/2)$ nuclei.
F. Brandolini and C. Ur.
PHYSICAL REVIEW C **71**, 054316 (2005)
- [122] Oblate collectivity in the yrast structure of Pt-194.
G. Jones, Z. Podolyak, N. Schunck, P. Walker, G. De Angelis, Y. Zhang, M. Axiotis, D. Bazzacco, P. Bizzeti, F. Brandolini, R. Broda, D. Bucurescu, E. Farnea, W. Gelletly, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, T. Kroll, S. Langdown, S. Lunardi, N. Marginean, T. Martinez, N. Medina, B. Quintana, P. Regan, B. Rubio, C. Ur, J. Valiente-Dobon, and S. Williams.
ACTA PHYSICA POLONICA B **36**, 1323 (2005)
- [123] Yrast states in $N=30$ Ca-50 and Sc-51 isotones studied with deep-inelastic heavy ion reactions.
R. Broda, B. Fornal, W. Krolas, T. Pawlat, J. Wrzesinski, D. Bazzacco, S. Lunardi, G. De Angelis, A. Gadea, C. Ur, N. Marginean, R. Janssens, M. Carpenter, S. Freeman, N. Hammond, T. Lauritsen, C. Lister, F. Moore, D. Seweryniak, P. Daly, Z. Grabowski, B. Brown, and M. Honma.
ACTA PHYSICA POLONICA B **36**, 1343 (2005)
- [124] High-spin states in the nuclei Y-91 and Nb-95.
D. Bucurescu, Z. Podolyak, C. Rusu, G. de Angelis, Y. Zhang, G. Cata-Danil, I. Cata-Danil, M. Ivascu, N. Marginean, R. Marginean, L. Mihailescu, G. Suliman, P. Regan, W. Gelletly, S. Langdown, J. Dobon, D. Bazzacco, S. Lunardi, C. Ur, M. Axiotis, A. Gadea, E. Farnea,

- M. Ionescu-Bujor, A. Iordachescu, T. Kroll, T. Martinez, P. Bizzetti, R. Broda, N. Medina, B. Quintana, and B. Rubio.
PHYSICAL REVIEW C **71**, 034315 (2005)
- [125] Multinucleon transfer reactions studied with the heavy-ion magnetic spectrometer PRISMA.
L. Corradi, A. Stefanini, S. Szilner, S. Beghini, B. Behera, E. Farnea, A. Gadea, E. Fioretto, F. Haas, A. Latina, N. Marginean, G. Montagnoli, G. Pollarolo, F. Scarlassara, M. Trotta, C. Ur, and P.-C. Collaborat.
EUROPEAN PHYSICAL JOURNAL A **25**, 427 (2005)
- [126] Emission of unbound Be-8 and C-12*(0(2)(+)) clusters in compound nucleus reactions.
T. Kokalova, W. von Oertzen, S. Torilov, S. Thummerer, M. Milin, A. Tumino, G. de Angelis, E. Farnea, A. Gadea, D. Napoli, T. Kroll, N. Marginean, T. Martinez, M. Axiotis, S. Lenzi, C. Ur, P. Papka, and M. Rousseau.
EUROPEAN PHYSICAL JOURNAL A **23**, 19 (2005)
- [127] Lifetime measurements of normal deformed states in Lu-165(71).
K. Andgren, Z. Podolyak, A. Dewald, F. Xu, A. Algora, M. Axiotis, D. Bazzacco, P. Bizzeti, A. Bizzeti-Sona, B. Cederwall, G. de Angelis, E. Farnea, A. Fitzler, A. Gadea, W. Gelletly, S. Lunardi, O. Moller, N. Marginean, T. Martinez, T. Pissulla, C. Rusu, C. Ur, R. Venturelli, P. Walker, and C. Wheldon.
PHYSICAL REVIEW C **71**, 014312 (2005)
- [128] High spin structure of S-34 and the proton-neutron coupling of intruder states.
P. Mason, N. Marginean, S. Lenzi, M. Ionescu-Bujor, F. Della Vedova, D. Napoli, T. Otsuka, Y. Utsuno, F. Nowacki, M. Axiotis, D. Bazzacco, P. Bizzeti, A. Bizzeti-Sona, F. Brandolini, M. Cardona, G. de Angelis, E. Farnea, A. Gadea, D. Hojman, A. Iordachescu, C. Kalfas, T. Kroll, S. Lunardi, T. Martinez, C. Petrache, B. Quintana, R. Ribas, C. Alvarez, C. Ur, R. Vlastou, and S. Zilio.
PHYSICAL REVIEW C **71**, 014316 (2005)
- [129] First identification of excited states in the N=Z+1 nucleus Ru-89.
N. Marginean, C. Rusu, D. Bucurescu, C. Alvarez, C. Ur, D. Bazzacco, S. Lunardi, P. Pavan, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, T. Kroll, S. Lenzi, T. Martinez, R. Menegazzo, D. Napoli, B. Quintana, P. Spolaore, Y. Zhang, and J. Wrzesinski.
PHYSICAL REVIEW C **70**, 044302 (2004)
- [130] High-spin states populated in deep-inelastic reactions.
S. Mohammadi, Z. Podolyak, G. de Angelis, M. Axiotis, D. Bazzacco, P. Bizzeti, F. Brandolini, R. Broda, D. Bucurescu, E. Farnea, W. Gelletly, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, T. Kroll, S. Longdown, S. Lunardi, N. Marginean, T. Martinez, N. Medina, B. Quintana, P. Regan, B. Rubio, C. Ur, J. Dobon, P. Walker, and Y. Zhang.
BRAZILIAN JOURNAL OF PHYSICS **34**, 792 (2004)
- [131] First allowed bandcrossing in neutron deficient nucleus Tb-141.
N. Medina, J. Oliveira, E. Cybulska, M. Rao, R. Ribas, M. Rizzutto, W. Seale, F. Espinoza-Quinones, D. Bazzacco, F. Brandolini, S. Lunardi, C. Petrache, Z. Podolyak, C. Rossi-Alvarez, F. Soramel, C. Ur, M. Cardona, G. de Angelis, D. Napoli, P. Spolaore, A. Gadea, D. De Acuna, M. De Poli, E. Farnea, D. Foltescu, M. Ionescu-Bujor, and A. Iordachescu.
BRAZILIAN JOURNAL OF PHYSICS **34**, 1002 (2004)

- [132] Level scheme of Mo-94 at high angular momentum.
Y. Zhang, M. Liu, G. de Angelis, Z. Podolyak, W. Guo, A. Gadea, **C. Ur**, N. Marginean, C. Rusu, R. Schwengner, D. Napoli, R. Menegazzo, S. Lunardi, D. Bazzacco, T. Martinez, M. Axiotis, A. Gargano, S. Lenzi, F. Brandolini, and W. von Oertzen.
HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION **28**, 941 (2004)
- [133] Electromagnetic transitions and structure of Ti-46.
F. Brandolini, J. Oliveira, N. Medina, R. Ribas, J. Sanchez-Solano, D. Bucurescu, S. Lenzi, C. Ur, D. Bazzacco, M. De Poli, E. Farnea, A. Gadea, N. Marginean, and C. Rossi-Alvarez.
PHYSICAL REVIEW C **70**, 034302 (2004)
- [134] Quadrupole moments and g factors for high-spin neutron isomers in Pb-193.
M. Ionescu-Bujor, A. Iordachescu, D. Balabanski, S. Chmel, G. Neyens, G. Baldsiefen, D. Bazzacco, F. Brandolini, D. Bucurescu, M. Danchev, M. De Poli, G. Georgiev, A. Gorgen, H. Haas, H. Hubel, G. Ilie, N. Marginean, R. Menegazzo, P. Pavan, G. Rainovski, R. Ribas, C. Alvarez, C. Ur, K. Vyvey, and S. Frauendorf.
PHYSICAL REVIEW C **70**, 034305 (2004)
- [135] Stability of the N=50 shell gap in the neutron-rich Rb, Br, Se, and Ge isotones.
Y. Zhang, Z. Podolyak, G. de Angelis, A. Gadea, **C. Ur**, S. Lunardi, N. Marginean, C. Rusu, R. Schwengner, T. Kroll, D. Napoli, R. Menegazzo, D. Bazzacco, E. Farnea, S. Lenzi, T. Martinez, M. Axiotis, D. Tonev, W. Gelletly, S. Langdown, P. Regan, J. Dobon, W. von Oertzen, B. Rubio, B. Quintana, N. Medina, R. Broda, D. Bucurescu, M. Ionescu-Bujor, and A. Iordachescu.
PHYSICAL REVIEW C **70**, 024301 (2004)
- [136] Yield of radionuclides and isomers produced in the fragmentation of W-nat and W-186 (97%) targets with protons at 630, 420 and 270 MeV.
S. Karamian, J. Adam, P. Chaloun, D. Filosofov, V. Henzl, D. Henzlova, V. Kalinnikov, N. Korolev, N. Lebedev, A. Novgorodov, C. Collins, I. Popescu, and C. Ur.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT **527**, 609 (2004)
- [137] Rotational bands in neutron-rich Ho-160, Ho-161, Ho-162.
D. Escrig, A. Jungclaus, B. Binder, A. Dietrich, T. Hartlein, H. Bauer, C. Gund, D. Pansegrau, D. Schwalm, D. Bazzacco, G. de Angelis, E. Farnea, A. Gadea, S. Lunardi, D. Napoli, C. Alvarez, and C. Ur.
EUROPEAN PHYSICAL JOURNAL A **21**, 67 (2004)
- [138] Signature inversion in the semidecoupled $\pi h(9/2)$ circle times $\nu i(13/2)$ band of the odd-odd nucleus Lu-172.
T. Venkova, R. Lieder, W. Gast, D. Bazzacco, G. de Angelis, E. Lieder, H. Jager, L. Mihailescu, R. Menegazzo, S. Lunardi, C. Alvarez, **C. Ur**, T. Martinez, M. Axiotis, D. Napoli, W. Urban, and T. Rzaca-Urban.
EUROPEAN PHYSICAL JOURNAL A **20**, 375 (2004)
- [139] High-spin states in Ru-90 and the projected shell model description.
D. Bucurescu, N. Marginean, C. Alvarez, Y. Sun, C. Ur, L. Mihailescu, G. Suliman, D. Bazzacco, S. Lunardi, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, T. Kroll, S. Lenzi, T. Martinez, R. Menegazzo, D. Napoli, P. Pavan, Z. Podolyak, C. Rusu, M. De Poli, B. Quintana, and P. Spolaore.
PHYSICAL REVIEW C **69**, 064319 (2004)

- [140] Highly deformed band in Nd-138.
S. Lunardi, D. Bazzacco, C. Ur, M. Axiotis, G. de Angelis, E. Farnea, T. Kroll, S. Lenzi, G. Lo Bianco, N. Marginean, T. Martinez, R. Menegazzo, D. Napoli, P. Pavan, C. Petrache, B. Quintana, C. Alvarez, A. Saltarelli, R. Venturelli, and I. Ragnarsson.
PHYSICAL REVIEW C **69**, 054302 (2004)
- [141] High-spin behavior of multiple bands in the $N = Z+1$ nucleus Zr-81: A possible probe of enhanced neutron-proton correlations.
N. Marginean, D. Bucurescu, C. Alvarez, C. Ur, Y. Sun, D. Bazzacco, S. Lunardi, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, T. Koll, S. Lenzi, T. Martinez, R. Menegazzo, D. Napoli, P. Pavan, Z. Podolyak, M. De Poli, B. Quintana, and P. Spolaore.
PHYSICAL REVIEW C **69**, 054301 (2004)
- [142] Unusual isospin-breaking and isospin-mixing effects in the $A=35$ mirror nuclei.
J. Ekman, D. Rudolph, C. Fahlander, A. Zuker, M. Bentley, S. Lenzi, C. Andreoiu, M. Axiotis, G. de Angelis, E. Farnea, A. Gadea, T. Kroll, N. Marginean, T. Martinez, M. Mineva, C. Rossi-Alvarez, and C. Ur.
PHYSICAL REVIEW LETTERS **92**, 132502 (2004)
- [143] Gamma-ray feeding and decay of superdeformed states.
A. Lopez-Martens, T. Dossing, T. Khoo, B. Herskind, T. Lauristen, M. Matsuo, K. Yoshida, A. Korichi, F. Hannachi, I. Ahmad, H. Amro, G. de Angelis, D. Bazzacco, C. Beausang, E. Bouchez, P. Bringel, I. Calderin, M. Carpenter, S. Fischer, G. Hackman, K. Hauschild, H. Hubel, A. Hurstel, R. Janssens, F. Kondev, W. Korten, T. Kroll, Y. Le Coz, N. Marginean, R. Menegazzo, E. Mergel, D. Napoli, N. Nenoff, S. Neumann, A. Neusser, D. Nisius, G. Mukherjee, M. Rejmund, D. Rossbach, C. Alvarez, C. Schuck, G. Schonwasser, A. Singh, C. Theisen, C. Vieu, and **C. Ur**.
EUROPEAN PHYSICAL JOURNAL A **20**, 49 (2004)
- [144] High-spin states in the vibrational nucleus Cd-114.
A. Jungclauss, A. Algora, M. Axiotis, M. Borge, M. Fernandez, A. Gadea, E. Galindo, M. Hausmann, S. Lenzi, T. Martinez, D. Napoli, I. Piqueras, R. Schwengner, and **C. Ur**.
EUROPEAN PHYSICAL JOURNAL A **20**, 55 (2004)
- [145] The $\pi h(11/2^-)(13/2^-)(-1)(-2)$ three-hole isomeric state and octupole core excitation in the Tl-205 nucleus.
J. Wrzesinski, R. Broda, B. Fornal, W. Krolas, T. Pawlat, M. Carpenter, R. Janssens, D. Seweryniak, S. Lunardi, C. Ur, G. Viesti, M. Cinausero, N. Marginean, and K. Maier.
EUROPEAN PHYSICAL JOURNAL A **20**, 57 (2004)
- [146] The $N = Z f(7/2^-)$ -shell nuclei: Experimental highlights.
C. Ur.
EUROPEAN PHYSICAL JOURNAL A **20**, 113 (2004)
- [147] Reaction mechanism studies using the CN/ER spin distribution.
D. Ackermann, S. Antalic, M. Axiotis, D. Bazzacco, S. Beghini, G. Berek, L. Corradi, G. De Angelis, E. Farnea, A. Gadea, F. Hessberger, S. Hofmann, M. Itkis, G. Kniajeva, E. Kozulin, A. Latina, T. Martinez, R. Menegazzo, G. Montagnoli, G. Munzenberg, Y. Oganessian, C. Alvarez, M. Ruan, R. Sagaidak, F. Scarlassara, A. Stefanini, S. Szilner, M. Trotta, and **C. Ur**.
EUROPEAN PHYSICAL JOURNAL A **20**, 151 (2004)

- [148] Shape changes and test of the critical-point symmetry X(5) in N=90 nuclei.
A. Dewald, O. Moller, D. Tonev, A. Fitzler, B. Saha, K. Jessen, S. Heinze, A. Linnemann, J. Jolie, K. Zell, P. von Brentano, P. Petkov, R. Casten, M. Caprio, J. Cooper, R. Krucken, V. Zamfir, D. Bazzacco, S. Lunardi, C. Alvarez, F. Brandolini, **C. Ur**, G. De Angelis, D. Napoli, E. Farnea, N. Marginean, T. Martinez, and M. Axiotis.
EUROPEAN PHYSICAL JOURNAL A **20**, 173 (2004)
- [149] Spectroscopic quadrupole moments of high-spin isomers in Pb-193.
D. Balabanski, M. Ionescu-Bujor, A. Iordachescu, D. Bazzacco, F. Brandolini, D. Bucurescu, S. Chmel, M. Danchev, M. De Poli, G. Georgiev, H. Haas, H. Hubel, N. Marginean, R. Menegazzo, G. Neyens, P. Pavan, G. Rainovski, C. Alvarez, C. Ur, K. Vyvey, and S. Frauendorf.
EUROPEAN PHYSICAL JOURNAL A **20**, 191 (2004)
- [150] Coupling a CLOVER detector array with the PRISMA magnetic spectrometer - Investigation of moderately neutron-rich nuclei populated by multinucleon transfer and deep inelastic collisions.
A. Gadea, D. Napoli, G. de Angelis, R. Menegazzo, A. Stefanini, L. Corradi, M. Axiotis, L. Berti, E. Fioretto, T. Kroell, A. Latina, N. Marginean, G. Maron, T. Martinez, D. Rosso, C. Rusu, N. Toniolo, S. Szilner, M. Trotta, D. Bazzacco, S. Beghini, M. Bellato, F. Brandolini, E. Farnea, R. Isocrate, S. Lenzi, S. Lunardi, G. Montagnoli, P. Pavan, C. Alvarez, F. Scarlassara, **C. Ur**, N. Blasi, A. Bracco, F. Camera, S. Leoni, B. Million, M. Pignanelli, G. Pollarolo, A. DeRosa, C. Inghima, M. La Commara, G. La Rana, D. Pierroutsakou, M. Romoli, M. Sandoli, P. Bizzeti, A. Bizzeti-Sona, G. Lo Bianco, C. Petrache, A. Zucchiatti, P. Cocconi, B. Quintana, C. Beck, D. Curien, G. Duchene, F. Haas, P. Medina, P. Papka, J. Durell, S. Freeman, A. Smith, B. Varley, K. Fayz, V. Pucknell, J. Simpson, W. Gelletly, P. Regan, and E. P.-. Collaborat.
EUROPEAN PHYSICAL JOURNAL A **20**, 193 (2004)
- [151] Gamma-ray tracking with the MARS detector.
T. Kroll, D. Bazzacco, R. Venturelli, B. Arnes, C. Ur, M. Bellato, R. Isocrate, C. Manea, R. Menegazzo, P. Pavan, C. Alvarez, E. Farnea, A. Gadea, D. Rosso, P. Spolaore, F. Camera, B. Million, E. Musso, A. Pullia, O. Wieland, G. Casati, A. Geraci, G. Ripamonti, and M. Descovich.
EUROPEAN PHYSICAL JOURNAL A **20**, 205 (2004)
- [152] Spectroscopy of Ca-40 and negative-parity bands.
S. Torilov, S. Thummerer, W. von Oertzen, T. Kokalova, G. de Angelis, H. Bohlen, A. Tumino, M. Axiotis, E. Farnea, N. Marginean, T. Martinez, D. Napoli, M. De Poli, S. Lenzi, **C. Ur**, M. Rousseau, and P. Papka.
EUROPEAN PHYSICAL JOURNAL A **19**, 307 (2004)
- [153] Nonyrast states in the odd-odd N=Z nucleus Ga-62.
D. Rudolph, C. Andreoiu, J. Ekman, C. Fahlander, M. Mineva, S. Lenzi, E. Farnea, C. Rossi-Alvarez, C. Ur, M. Axiotis, G. de Angelis, A. Gadea, T. Kroll, N. Marginean, T. Martinez, and F. Nowacki.
PHYSICAL REVIEW C **69**, 034309 (2004)
- [154] Structure of neutron-rich nuclei from deep-inelastic reactions.
Z. Podolyak, S. Mohammadi, G. De Angelis, Y. Zhang, M. Axiotis, D. Bazzacco, P. Bizzeti, F. Brandolini, R. Broda, D. Bucurescu, E. Farnea, W. Gelletly, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, T. Kroll, S. Langdown, S. Lunardi, N. Marginean, T. Martinez, N. Medina, B. Quintana, P. Regan, B. Rubio, C. Ur, J. Valiente-Dobon, and P. Walker.
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS **13**, 123 (2004)

- [155] Transition strengths between particle hole excitations in Ru-95.
E. Galindo, M. Hausmann, A. Jungclaus, K. Lieb, O. Yordanov, I. Johnstone, R. Schwengner, A. Dewald, A. Fitzler, O. Moller, G. de Angelis, A. Gadea, T. Martinez, D. Napoli, and C. Ur. *PHYSICAL REVIEW C* **69**, 024304 (2004)
- [156] First identification of yrast decay and shell model description of the $N=Z+1$ nucleus Pd-93.
C. Rusu, N. Marginean, D. Bucurescu, C. Alvarez, C. Ur, D. Bazzacco, S. Lunardi, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, T. Kroll, S. Lenzi, T. Martinez, R. Menegazzo, D. Napoli, P. Pavan, M. De Poli, B. Quintana, and J. Wrzesinski.
PHYSICAL REVIEW C **69**, 024307 (2004)
- [157] Delayed crossing in the $\pi h(9/2) 1/2(-)[541]$ band of Lu-173.
T. Venkova, R. Lieder, W. Gast, D. Bazzacco, G. de Angelis, E. Podsvirova, H. Jager, L. Mihailescu, R. Menegazzo, S. Lunardi, C. Alvarez, **C. Ur**, T. Martinez, M. Axiotis, D. Napoli, W. Urban, and T. Rzaca-Urban.
EUROPEAN PHYSICAL JOURNAL A **18**, 577 (2003)
- [158] Pseudo-spin band in the odd-odd nucleus Lu-172.
T. Venkova, R. Lieder, W. Gast, D. Bazzacco, G. de Angelis, E. Podsvirova, H. Jager, L. Mihailescu, R. Menegazzo, S. Lunardi, C. Alvarez, **C. Ur**, T. Martinez, M. Axiotis, D. Napoli, W. Urban, T. Rzaca-Urban, and S. Frauendorf.
EUROPEAN PHYSICAL JOURNAL A **18**, 1 (2003)
- [159] Collectivity at high spins in Dy-156.
P. Petkov, A. Dewald, O. Moller, B. Saha, A. Fitzler, K. Jessen, D. Tonev, T. Klug, S. Heinze, J. Jolie, P. von Brentano, D. Bazzacco, **C. Ur**, E. Farnea, M. Axiotis, S. Lunardi, C. Rossi-Alvarez, G. de Angelis, D. Napoli, N. Marginean, T. Martinez, M. Caprio, and R. Casten.
PHYSICAL REVIEW C **68**, 034328 (2003)
- [160] Lifetime study of particle-hole excitations in the semimagic nucleus Tc-93.
M. Hausmann, A. Jungclaus, E. Galindo, K. Lieb, O. Yordanov, I. Johnstone, R. Schwengner, A. Dewald, A. Fitzler, O. Moller, G. de Angelis, A. Gadea, T. Martinez, D. Napoli, and **C. Ur**.
PHYSICAL REVIEW C **68**, 024309 (2003)
- [161] A study of gamma decays and octupole bands in Ne-21 and Na-21.
S. Thummerer, W. von Oertzen, T. Kokalova, H. Bohlen, B. Gebauer, A. Tumino, T. Massey, G. de Angelis, M. Axiotis, A. Gadea, T. Kroll, N. Marginean, D. Napoli, M. De Poli, **C. Ur**, D. Bazzacco, S. Lenzi, C. Alvarez, S. Lunardi, R. Menegazzo, P. Bizzeti, and A. Bizzeti-Sona.
PHYSICS OF ATOMIC NUCLEI **66**, 1428 (2003)
- [162] Gamma-ray tracking with segmented HPGe detectors.
O. Wieland, T. Kroll, D. Bazzacco, R. Venturelli, F. Camera, B. Million, E. Musso, B. Quintana, C. Ur, M. Bellato, R. Isocrate, C. Manea, R. Menegazzo, P. Pavan, C. Alvarez, E. Farnea, A. Gadea, D. Rosso, R. Spolaore, A. Pullia, G. Casati, A. Geraci, G. Ripamonti, and M. Desovich.
BRAZILIAN JOURNAL OF PHYSICS **33**, 206 (2003)
- [163] Yrast isomers in Ag-95, Pd-95, and Pd-94.
N. Marginean, D. Bucurescu, C. Alvarez, C. Ur, L. Skouras, L. Johnstone, D. Bazzacco, S. Lunardi, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, T. Kroll, S. Lenzi, T. Martinez, R. Marginean, R. Menegazzo, D. Napoli, P. Pavan, M. De Poli, B. Quintana, C. Rusu, P. Spolaore, and J. Wrzesinski.
PHYSICAL REVIEW C **67**, 061301 (2003)

- [164] Lifetime measurements in Gd-148.
Z. Podolyak, P. Bizzeti, A. Bizzeti-Sona, S. Lunardi, D. Bazzacco, A. Dewald, A. Algora, G. de Angelis, E. Farnea, A. Gadea, D. Kasemann, T. Klug, T. Kroll, S. Lenzi, D. Napoli, C. Petrache, R. Peusquens, C. Alvarez, T. Martinez, and C. Ur.
EUROPEAN PHYSICAL JOURNAL A **17**, 29 (2003)
- [165] Decay properties of high spin states in Mn-52 and Fe-52.
M. Axiotis, A. Gadea, N. Marginean, D. de Angelis, M. De Poli, T. Martinez, S. Lenzi, C. Ur, F. Brandolini, D. Bazzacco, E. Farnea, C. Alvarez, S. Lunardi, C. Kalfas, A. Algora, D. Cano-Ott, E. Nacher, B. Rubio, J. Tain, R. Borcea, J. Doring, M. Gorska, H. Grawe, M. La Commara, C. Mazzocchi, and E. Roeckl.
ACTA PHYSICA POLONICA B **34**, 2231 (2003)
- [166] Spectroscopy of heavy $N=Z$ nuclei with GASP and EUROBALL.
A. Gadea, G. de Angelis, E. Farnea, N. Marginean, M. Axiotis, T. Martinez, D. Napoli, T. Kroell, M. De Poli, P. Spolaore, E. Fioretto, S. Lenzi, E. Maglione, **C. Ur**, S. Lunardi, R. Menagazzo, P. Pavan, R. Venturelli, F. Brandolini, C. Alvarez, G. Nardelli, M. Bellato, A. Bracco, F. Camera, G. Colo, D. Bucurescu, M. Ionescu-Bujor, A. Iordachescu, D. Curien, O. Dorvaux, N. Kintz, C. Ring, H. Grawe, J. Nyberg, M. Weiszflog, A. Dewald, J. Eberth, T. Steinhart, I. Stefanescu, O. Thelen, A. Fitzler, S. Kasemann, T. Klug, P. Petkov, W. Gelletly, A. Bizzeti-Sona, P. Bizzeti, B. Quintana, B. Rubio, J. Tain, A. Algora, V. Pucknell, and R. Wyss.
ACTA PHYSICA POLONICA B **34**, 2429 (2003)
- [167] High-spin states in the Tc-97 nucleus.
D. Bucurescu, A. Gadea, G. Cata-Danil, I. Cata-Danil, M. Ivascu, N. Marginean, C. Rusu, L. Stroe, and C. Ur.
EUROPEAN PHYSICAL JOURNAL A **16**, 469 (2003)
- [168] Gamma-decay study of Na-21 and Ne-21, octupole bands in Ne-21.
S. Thummerer, W. von Oertzen, T. Kokalova, H. Bohlen, B. Gebauer, A. Tumino, T. Massey, G. de Angelis, M. Axiotis, A. Gadea, T. Kroll, N. Marginean, D. Napoli, M. De Poli, **C. Ur**, D. Bazzacco, S. Lenzi, C. Alvarez, S. Lunardi, R. Menegazzo, P. Bizzeti, and A. Bizzeti-Sona.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS **29**, 509 (2003)
- [169] Band terminations in the nucleus Ti-46.
D. Bucurescu, C. Ur, S. Lenzi, D. Napoli, J. Sanchez-Solano, D. Bazzacco, F. Brandolini, G. de Angelis, E. Farnea, A. Gadea, S. Lunardi, N. Marginean, Z. Podolyak, A. Poves, and C. Alvarez.
PHYSICAL REVIEW C **67**, 034306 (2003)
- [170] gamma-ray spectroscopy of proton neutron-hole nucleus Bi-208 from deep inelastic heavy ion reactions.
B. Fornal, R. Broda, K. Maier, P. Daly, P. Bhattacharyya, Z. Grabowski, W. Krolas, T. Pawlat, J. Wrzesinski, M. Carpenter, R. Janssens, F. Kondev, T. Lauritsen, D. Seweryniak, I. Wiedenhover, S. Lunardi, C. Ur, G. Viesti, M. Cinausero, N. Marginean, and M. Rejmund.
PHYSICAL REVIEW C **67**, 034318 (2003)
- [171] Excited bands and signature dependent electromagnetic decay properties in neutron-rich Dy-159, Dy-161, Dy-163.
A. Jungclaus, B. Binder, A. Dietrich, T. Hartlein, H. Bauer, C. Gund, D. Pansegrau, D. Schwalm, D. Bazzacco, E. Farnea, S. Lunardi, C. Rossi-Alvarez, **C. Ur**, G. de Angelis, A. Gadea, D. Napoli, X. Zhou, and Y. Sun.
PHYSICAL REVIEW C **67**, 034302 (2003)

- [172] First evidence for triaxial superdeformation in Lu-161 and Lu-162.
P. Bringel, H. Hubel, H. Amro, M. Axiotis, D. Bazzacco, S. Bhattacharya, R. Bhowmik, J. Domscheit, G. Hagemann, D. Jensen, T. Kroll, S. Lunardi, D. Napoli, A. Neusser, S. Pancholi, C. Petrache, G. Schonwasser, A. Singh, and C. Ur.
EUROPEAN PHYSICAL JOURNAL A **16**, 155 (2003)
- [173] Signature inversion and deformation driving effects in Ir-178.
D. Hojman, M. Cardona, D. Napoli, S. Lenzi, J. Davidson, M. Davidson, C. Ur, G. Lo Bianco, C. Petrache, M. Axiotis, D. Bazzacco, M. De Poli, G. de Angelis, E. Farnea, T. Kroell, S. Lunardi, N. Marginean, T. Martinez, R. Menegazzo, B. Quintana, and C. Alvarez.
PHYSICAL REVIEW C **67**, 024308 (2003)
- [174] Isospin mixing in the $N = Z$ nucleus Ge-64.
E. Farnea, G. de Angelis, A. Gadea, P. Bizzeti, A. Dewald, J. Eberth, A. Algora, M. Axiotis, D. Bazzacco, A. Bizzeti-Sona, F. Brandolini, G. Colo, W. Gelletly, M. Kaci, N. Kintz, T. Klug, T. Kroll, S. Lenzi, S. Lunardi, N. Marginean, T. Martinez, R. Menegazzo, D. Napoli, J. Nyberg, P. Pavan, Z. Podolyak, C. Petrache, B. Quintana, B. Rubio, P. Spolaore, T. Steinhardt, J. Tain, O. Thelen, C. Ur, R. Venturelli, and M. Wesizflog.
PHYSICS LETTERS B **551**, 56 (2003)
- [175] First identification of excited states in Zn-59.
C. Andreoiu, M. Axiotis, G. de Angelis, J. Ekman, C. Fahlander, E. Farnea, A. Gadea, T. Kroll, S. Lenzi, N. Marginean, T. Martinez, M. Mineva, C. Alvarez, D. Rudolph, and C. Ur.
EUROPEAN PHYSICAL JOURNAL A **15**, 459 (2002)
- [176] Structure of Ti-52, Ti-54 and shell closures in neutron-rich nuclei above Ca-48.
R. Janssens, B. Fornal, P. Mantica, B. Brown, R. Broda, P. Bhattacharyya, M. Carpenter, M. Cinausero, P. Daly, A. Davies, T. Glasmacher, Z. Grabowski, D. Groh, M. Honma, F. Kondev, W. Krolas, T. Lauritsen, S. Liddick, S. Lunardi, N. Marginean, T. Mizusaki, D. Morrissey, A. Morton, W. Mueller, T. Otsuka, T. Pawlat, D. Seweryniak, H. Schatz, A. Stolz, S. Tabor, C. Ur, G. Viesti, I. Wiedenhover, and J. Wrzesinski.
PHYSICS LETTERS B **546**, 55 (2002)
- [177] Accumulation of the Hf-178m2 isomeric nuclei through spallation with intermediate-energy protons of tantalum and rhenium targets.
S. Karamian, J. Adam, D. Filosofov, D. Henzlova, V. Henzl, V. Kalinnikov, N. Lebedev, A. Novgorodov, C. Collins, I. Popescu, and C. Ur.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT **489**, 448 (2002)
- [178] Quadrupole moment of the $K-\pi=14(+)$ isomer in W-176.
M. Ionescu-Bujor, A. Iordachescu, F. Brandolini, M. De Poli, N. Marginean, D. Bucurescu, S. Lenzi, N. Medina, D. Napoli, Z. Podolyak, P. Pavan, R. Ribas, C. Alvarez, and C. Ur.
PHYSICS LETTERS B **541**, 219 (2002)
- [179] Bands and Coulomb effects in Cr-50.
F. Brandolini, J. Sanchez-Solano, S. Lenzi, N. Medina, A. Poves, C. Ur, D. Bazzacco, G. De Angelis, M. De Poli, E. Farnea, A. Gadea, D. Napoli, and C. Rossi-Alvarez.
PHYSICAL REVIEW C **66**, 021302 (2002)
- [180] V-48: An experimental and theoretical paradigm in the middle of the $1f(7/2)$ shell.
F. Brandolini, N. Marginean, S. Hankonen, N. Medina, R. Ribas, J. Sanchez-Solano, S. Lenzi,

- S. Lunardi, D. Napoli, A. Poves, C. Ur, D. Bazzacco, G. de Angelis, M. De Poli, E. Farnea, A. Gadea, T. Martinez, and C. Rossi-Alvarez.
PHYSICAL REVIEW C **66**, 024304 (2002)
- [181] High-spin states in the odd-odd nucleus Y-80.
D. Bucurescu, C. Ur, M. Ionescu-Bujor, A. Iordachescu, D. Bazzacco, F. Brandolini, G. de Angelis, M. De Poli, A. Gadea, S. Lunardi, N. Marginean, N. Medina, D. Napoli, P. Pavan, C. Alvarez, and P. Spolaore.
NUCLEAR PHYSICS A **705**, 3 (2002)
- [182] Backbending region study in Dy-160, Dy-162 using incomplete fusion reactions.
A. Jungclaus, B. Binder, A. Dietrich, T. Hartlein, H. Bauer, C. Gund, D. Pansegrau, D. Schwalm, J. Egidio, Y. Sun, D. Bazzacco, G. de Angelis, E. Farnea, A. Gadea, S. Lunardi, D. Napoli, C. Rossi-Alvarez, **C. Ur**, and G. Hagemann.
PHYSICAL REVIEW C **66**, 014312 (2002)
- [183] Deviations from axial symmetry in Os-181.
Z. Podolyak, S. Al Garni, R. Casten, J. Cooper, D. Cullen, A. Dewald, R. Krucken, H. Newman, J. Orce, C. Pearson, **C. Ur**, R. Venturelli, S. Vincent, C. Wheldon, P. Walker, F. Xu, A. Yamamoto, and N. Zamfir.
PHYSICAL REVIEW C **66**, 011304 (2002)
- [184] Delayed alignments in the N=Z nuclei Mo-84 and Ru-88.
N. Marginean, D. Bucurescu, C. Alvarez, C. Ur, Y. Sun, D. Bazzacco, S. Lunardi, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, T. Kroll, S. Lenzi, T. Martinez, R. Menegazzo, D. Napoli, P. Pavan, Z. Podolyak, M. De Poli, B. Quintana, and P. Spolaore.
PHYSICAL REVIEW C **65**, 051303 (2002)
- [185] Experimental investigation of the level density in highly excited nuclei around Pb-208.
M. Lunardon, G. Viesti, D. Bazzacco, D. Fabris, G. Nebbia, **C. Ur**, C. Alvarez, M. Cinausero, E. Farnea, E. Fioretto, G. Prete, G. de Angelis, D. Napoli, K. Hagel, J. Natowitz, and R. Wada.
EUROPEAN PHYSICAL JOURNAL A **13**, 419 (2002)
- [186] High-spin structure of the spherical nucleus Y-90.
G. Rainovski, R. Schwengner, K. Schilling, A. Wagner, A. Jungclaus, E. Galindo, O. Thelen, D. Napoli, C. Ur, G. de Angelis, M. Axiotis, A. Gadea, N. Marginean, T. Martinez, and T. Kroll.
PHYSICAL REVIEW C **65**, 044327 (2002)
- [187] Tunable synchrotron radiation used to induce gamma-emission from the 31 year isomer of Hf-178.
C. Collins, N. Zoita, A. Rusu, M. Iosif, D. Camase, F. Davanloo, S. Emura, T. Uruga, R. Dussart, J. Pouvesle, C. Ur, I. Popescu, V. Kirischuk, N. Strilchuk, and F. Agee.
EUROPHYSICS LETTERS **57**, 677 (2002)
- [188] First observation of excited states in the T-z=1/2 nucleus Mo-85.
N. Marginean, C. Alvarez, D. Bucurescu, Y. Sun, C. Ur, A. Gadea, S. Lunardi, D. Bazzacco, G. de Angelis, M. Axiotis, M. De Poli, E. Farnea, M. Ionescu-Bujor, A. Iordachescu, S. Lenzi, T. Kroll, T. Martinez, R. Menegazzo, D. Napoli, G. Nardelli, P. Pavan, B. Quintana, and P. Spolaore.
PHYSICAL REVIEW C **65**, 034315 (2002)
- [189] Transition rates and nuclear structure changes in mirror nuclei Cr-47 and V-47.
D. Tonev, P. Petkov, A. Dewald, T. Klug, P. von Brentano, W. Andrejtscheff, S. Lenzi, D. Napoli,

N. Marginean, F. Brandolini, C. Ur, M. Axiotis, P. Bizzeti, and A. Bizzeti-Sona.
PHYSICAL REVIEW C **65**, 034314 (2002)

- [190] Lifetime measurements of spherical and deformed states in $1f(7/2)$ nuclei.
N. Medina, F. Brandolini, S. Lenzi, N. Marginean, R. Ribas, C. Ur, D. Bazzacco, S. Lunardi, R. Menegazzo, P. Pavan, C. Rossi-Alvarez, A. Algora-Pineda, G. de Angelis, M. De Poli, E. Farnea, A. Gadea, T. Martinez, D. Napoli, S. Hankonen, D. Bucurescu, M. Ionescu-Bujor, A. Iordachescu, J. Cameron, S. Kasemann, I. Schneider, J. Espino, J. Sanchez-Solano, and A. Poves.
ACTA PHYSICA HUNGARICA NEW SERIES-HEAVY ION PHYSICS **16**, 65 (2002)
- [191] First measurement of beta-decay properties of the proton drip-line nucleus Ga-60.
C. Mazzocchi, Z. Janas, J. Doring, M. Axiotis, L. Batist, R. Borcea, D. Cano-Ott, E. Caucier, G. de Angelis, E. Farnea, A. Fassbender, A. Gadea, H. Grawe, A. Jungclaus, M. Kapica, R. Kirchner, J. Kurcewicz, S. Lenzi, T. Martinez, I. Mukha, E. Nacher, D. Napoli, E. Roeckl, B. Rubio, R. Schwengner, J. Tain, and C. Ur.
EUROPEAN PHYSICAL JOURNAL A **12**, 269 (2001)
- [192] Lifetimes in the middle of $1f(7/2)$ shell: cross-conjugated nuclei V-47 and Cr-49.
F. Brandolini, N. Medina, S. Lenzi, D. Napoli, A. Poves, R. Ribas, J. Sanchez-Solano, C. Ur, M. De Poli, N. Marginean, D. Bazzacco, J. Cameron, G. de Angelis, A. Gadea, R. Menegazzo, and C. Rossi-Alvarez.
NUCLEAR PHYSICS A **693**, 517 (2001)
- [193] Electromagnetic transitions and structure in the $Z=N$ nucleus V-46.
F. Brandolini, N. Medina, R. Ribas, S. Lenzi, A. Gadea, C. Ur, D. Bazzacco, R. Menegazzo, P. Pavan, C. Rossi-Alvarez, A. Algora-Pineda, G. de Angelis, M. De Poli, E. Farnea, N. Marginean, T. Martinez, D. Napoli, M. Ionescu-Bujor, A. Iordachescu, J. Cameron, S. Kasemann, I. Schneider, J. Espino, and J. Sanchez-Solano.
PHYSICAL REVIEW C **64**, 044307 (2001)
- [194] Coulomb energy differences in $T=1$ mirror rotational bands in Fe-50 and Cr-50.
S. Lenzi, N. Marginean, D. Napoli, C. Ur, A. Zuker, G. de Angelis, A. Algora, M. Axiotis, D. Bazzacco, N. Belcari, M. Bentley, P. Bizzetti, A. Bizzeti-Sona, F. Brandolini, P. von Brentano, D. Bucurescu, J. Cameron, C. Chandler, M. De Poli, A. Dewald, H. Eberth, E. Farnea, A. Gadea, J. Garces-Narro, W. Gelletly, H. Grawe, R. Isocrate, D. Joss, C. Kalfas, T. Klug, T. Lampman, S. Lunardi, T. Martinez, G. Martinez-Pinedo, R. Menegazzo, J. Nyberg, Z. Podolyak, A. Poves, R. Ribas, C. Alvarez, B. Rubio, J. Sanchez-Solano, P. Spolaore, T. Steinhardt, O. Thelen, D. Tonev, A. Vitturi, W. von Oertzen, and M. Weiszflog.
PHYSICAL REVIEW LETTERS **87**, 122501 (2001)
- [195] Coulomb energy differences between isobaric analogue states in Br-70 and Se-70 - Identification of excited states of the $T-z=0$ nucleus Br-70.
G. de Angelis, T. Martinez, A. Gadea, N. Marginean, E. Farnea, E. Maglione, S. Lenzi, W. Gelletly, C. Ur, D. Napoli, T. Kroell, S. Lunardi, B. Rubio, M. Axiotis, D. Bazzacco, A. Sona, P. Bizzeti, P. Bednarczyk, A. Bracco, F. Brandolini, F. Camera, D. Curien, M. De Poli, O. Dorvaux, J. Eberth, H. Grawe, R. Menegazzo, G. Nardeli, J. Nyberg, P. Pavan, B. Quintana, C. Alvarez, P. Spolaore, T. Steinhardt, I. Stefanescu, O. Thelen, and I. Venturelli.
EUROPEAN PHYSICAL JOURNAL A **12**, 51 (2001)
- [196] Shell model and octupole excitations in Eu-147.
Z. Podolyak, P. Bizzeti, A. Bizzeti-Sona, A. Gadea, S. Lunardi, D. Bazzacco, G. de Angelis,

- M. De Poli, D. Napoli, C. Petrache, C. Alvarez, C. Ur, P. Kleinheinz, and J. Blomqvist.
PHYSICAL REVIEW C **64**, 034302 (2001)
- [197] Gamma-ray transitions induced in nuclear spin isomers by X-rays.
C. Collins, N. Zoita, A. Rusu, M. Iosif, D. Camase, F. Davanloo, J. Pouvesle, R. Dussart,
V. Kirischuk, N. Strilchuk, C. Ur, I. Popescu, and F. Agee.
JOURNAL DE PHYSIQUE IV **11**, 437 (2001)
- [198] Structure of high-spin states in Sr-89 and Sr-90.
E. Stefanova, R. Schwengner, G. Rainovski, K. Schilling, A. Wagner, F. Donau, E. Galindo,
A. Jungclaus, K. Lieb, O. Thelen, J. Eberth, D. Napoli, C. Ur, G. de Angelis, M. Axiotis,
A. Gadea, N. Marginean, T. Martinez, T. Kroll, and T. Kutsarova.
PHYSICAL REVIEW C **63**, 064315 (2001)
- [199] Signature inversion in $\pi i(13/2)$ circle times $\nu i(13/2)$ structure in Ir-178.
D. Hojman, M. Cardona, D. Napoli, S. Lenzi, C. Ur, G. Lo Bianco, C. Petrache, M. Axiotis,
D. Bazzacco, J. Davidson, M. Davidson, M. De Poli, G. de Angelis, E. Farnea, T. Kroell,
S. Lunardi, N. Marginean, T. Martinez, R. Menegazzo, B. Quintana, and C. Alvarez.
EUROPEAN PHYSICAL JOURNAL A **10**, 245 (2001)
- [200] High-spin states in the Tc-96 nucleus.
D. Bucurescu, G. Cata-Danil, I. Cata-Danil, M. Ivascu, N. Marginean, C. Rusu, L. Stroe, C. Ur,
A. Gizon, J. Gizon, B. Nyako, J. Timar, L. Zolnai, A. Boston, D. Joss, E. Paul, A. Semple, and
C. Parry.
EUROPEAN PHYSICAL JOURNAL A **10**, 255 (2001)
- [201] Observation of the $N = Z = 44$ Ru-88 nucleus.
N. Marginean, C. Alvarez, D. Bucurescu, C. Ur, A. Gadea, S. Lunardi, D. Bazzacco, G. de An-
gelis, M. Axiotis, M. De Poli, E. Farnea, M. Ionescu-Bujor, A. Iordachescu, S. Lenzi, T. Kroll,
T. Martinez, R. Menegazzo, D. Napoli, C. Nardelli, P. Pavan, B. Quintana, and P. Spolaore.
PHYSICAL REVIEW C **63**, 031303 (2001)
- [202] Observation of a double giant dipole resonance in fusion-evaporation reactions.
G. Viesti, V. Rizzi, N. Cinausero, N. Gelli, A. Gadea, D. Bazzacco, A. Algora-Pineda, D. Ap-
pelbee, G. de Angelis, N. Belcari, M. De Poli, T. Drake, D. Fabris, E. Farnea, E. Fioretto,
A. Galindo-Uribarri, W. Krolas, T. Kroll, F. Lucarelli, S. Lunardi, M. Lunardon, T. Martinez,
R. Menegazzo, B. Nayak, G. Nebbia, D. Napoli, B. Nyako, C. Petrache, Z. Podolyak, G. Prete,
C. Alvarez, P. Spolaore, **C. Ur**, and K. Zuber.
PHYSICAL REVIEW C **63**, 034611 (2001)
- [203] Identification and study of the very neutron deficient nuclide I-111: search for octupole correla-
tions in the region of N approximate to Z approximate to 56.
P. Spolaore, G. de Angelis, A. Banu, A. Gadea, E. Farnea, N. Marginean, M. Axiotis, D. Baz-
zacco, F. Brandolini, M. De Poli, T. Kroll, S. Lenzi, S. Lunardi, T. Martinez, R. Menegazzo,
D. Napoli, P. Pavan, B. Quintana, C. Alvarez, **C. Ur**, P. Bizzeti, A. Bizzeti-Sona, R. Wyss,
F. Xu, N. Medina, and M. Ionescu-Bujor.
NUCLEAR PHYSICS A **682**, 387C (2001)
- [204] Gamma-ray transitions induced in nuclear spin isomers by X-rays.
C. Collins, A. Rusu, N. Zoita, M. Iosif, D. Camase, F. Davanloo, C. Ur, I. Popescu, J. Pouvesle,
R. Dussart, V. Kirischuk, N. Strilchuk, and F. Agee.
HYPERFINE INTERACTIONS **135**, 51 (2001)

- [205] Scaling of gamma-ray transitions induced in nuclear spin isomers by X-rays.
C. Collins, N. Zoita, A. Rusu, M. Iosif, D. Camase, F. Davanloo, J. Pouvesle, R. Dussart, V. Kirischuk, N. Strilchuk, C. Ur, I. Popescu, and F. Agee.
LASER PHYSICS **11**, 1 (2001)
- [206] Observation of the $\nu h(11/2)$ sequence in the Mo-97 nucleus.
D. Bucurescu, G. Cata-Danil, I. Cata-Danil, M. Ivascu, N. Marginean, and C. Ur.
PHYSICAL REVIEW C **63**, 014306 (2001)
- [207] A. Jungclaus, B. Binder, A. Dietrich, T. Hartlein, H. Bauer, C. Gund, D. Pansegrau, D. Schwalm, D. Bazzacco, G. de Angelis, E. Farnea, A. Gadea, S. Lunardi, D. Napoli, C. Rossi-Alvarez, C. Ur, and G. Hagemann, in *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, VOL 46: RADIOACTIVE BEAMS IN NUCLEAR AND ASTROPHYSICS*, PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, Vol. 46, edited by A. Faessler (2001) pp. 213–220
- [208] N. Marginean, C. Alvarez, D. Bucurescu, C. Ur, A. Gadea, S. Lunardi, D. Bazzacco, G. De Angelis, M. Axiotis, M. De Poli, E. Farnea, M. Ionescu-Bujor, A. Iordachescu, S. Lenzi, T. Kroll, T. Martinez, R. Menegazzo, D. Napoli, G. Nardelli, P. Pavan, B. Quintana, and P. Spolaore, in *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, VOL 46: RADIOACTIVE BEAMS IN NUCLEAR AND ASTROPHYSICS*, PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, Vol. 46, edited by A. Faessler (2001) pp. 269–270
- [209] High-spin state spectroscopy of Dy-143.
J. Oliveira, E. Cybulska, N. Medina, M. Rao, R. Ribas, W. Seale, F. Espinoza-Quinones, M. Rizzutto, D. Bazzacco, F. Brandolini, S. Lunardi, C. Petrache, Z. Podolyak, C. Rossi-Alvarez, C. Ur, G. de Angelis, D. Napoli, P. Spolaore, A. Gadea, D. De Acuna, M. De Poli, E. Farnea, D. Foltescu, M. Ionescu-Bujor, and A. Iordachescu.
PHYSICAL REVIEW C **62**, 064301 (2000)
- [210] Study of the gamma emission from the 31-yr isomer of Hf-178 Induced by X-ray Irradiation.
C. Collins, F. Davanloo, M. Iosif, R. Dussart, J. Hicks, S. Karamian, C. Ur, I. Popescu, V. Kirischuk, J. Pouvesle, P. McDaniel, and C. Crist.
PHYSICS OF ATOMIC NUCLEI **63**, 2067 (2000)
- [211] High-spin states in the Nb-94 nucleus.
N. Marginean, D. Bucurescu, G. Cata-Danil, I. Cata-Danil, M. Ivascu, and C. Ur.
PHYSICAL REVIEW C **62**, 034309 (2000)
- [212] The $\pi h(11/2) \times \nu h(11/2)$ yrast band in odd-odd Tb-140.
M. Rizzutto, M. Rao, W. Seale, J. Oliveira, E. Cybulska, N. Medina, R. Ribas, D. Bazzacco, F. Brandolini, S. Lunardi, C. Petrache, Z. Podolyak, C. Rossi-Alvarez, C. Ur, G. de Angelis, D. Napoli, P. Spolaore, A. Gadea, D. De Acuna, M. De Poli, E. Farnea, D. Foltescu, M. Ionescu-Bujor, A. Iordachescu, A. Chatterjee, A. Saxena, and L. Bohus.
PHYSICAL REVIEW C **62**, 027302 (2000)
- [213] Multiple octupole excitations in Gd-148.
Z. Podolyak, P. Bizzeti, A. Bizzeti-Sona, S. Lunardi, D. Bazzacco, A. Dewald, A. Algora, G. de Angelis, M. De Poli, E. Farnea, A. Gadea, D. Kasemann, T. Klug, T. Kroll, S. Lenzi, D. Napoli, C. Petrache, R. Peusquens, C. Alvarez, T. Martinez, and C. Ur.
EUROPEAN PHYSICAL JOURNAL A **8**, 147 (2000)
- [214] From highly to superdeformed shapes: study of Gd-143.
R. Lieder, T. Rzaca-Urban, H. Jensen, W. Gast, A. Georgiev, H. Jager, E. van der Meer,

- C. Droste, T. Morek, D. Bazzacco, S. Lunardi, R. Menegazzo, C. Petrache, C. Alvarez, C. Ur, G. de Angelis, D. Napoli, T. Venkova, and R. Wyss.
NUCLEAR PHYSICS A **671**, 52 (2000)
- [215] gamma emission from the 31-yr isomer of Hf-178 induced by x-ray irradiation.
C. Collins, F. Davanloo, A. Rusu, M. Iosif, N. Zoita, D. Camase, J. Hicks, S. Karamian, C. Ur, I. Popescu, R. Dussart, J. Pouvesle, V. Kirischuk, N. Strilchuk, P. McDaniel, and C. Crist.
PHYSICAL REVIEW C **61**, 054305 (2000)
- [216] Comment on “accelerated emission of gamma rays from the 31-yr isomer of Hf-178 induced by x-ray irradiation” Collins et al. reply.
C. Collins, F. Davanloo, M. Iosif, R. Dussart, J. Hicks, S. Karamian, C. Ur, I. Popescu, V. Kirischuk, H. Roberts, P. McDaniel, and C. Crist.
PHYSICAL REVIEW LETTERS **84**, 2544 (2000)
- [217] Search for hyperdeformed structures populated in the Cl-37+Sn-120 reaction by using EUROBALL III.
V. Rizzi, G. Viesti, D. Bazzacco, A. Algorta-Pineda, D. Appelbe, G. de Angelis, N. Belcari, M. Cinausero, M. De Poli, T. Drake, A. Gadea, A. Galindo-Uribarri, N. Gelli, D. Fabris, E. Farnea, E. Fioretto, W. Krolas, T. Kroll, F. Lucarelli, S. Lunardi, M. Lunardon, T. Martinez, R. Menegazzo, B. Nayak, G. Nebbia, D. Napoli, B. Nyako, C. Petrache, Z. Podolyak, G. Prete, C. Alvarez, A. Samant, P. Spolaore, C. Ur, and K. Zuber.
EUROPEAN PHYSICAL JOURNAL A **7**, 299 (2000)
- [218] Inclusive and exclusive measurements of high energy gamma-rays in the 101 MeV F-19+Ta-181 fusion reaction.
N. Gelli, F. Lucarelli, M. Cinausero, E. Fioretto, G. Prete, D. Fabris, M. Lunardon, G. Nebbia, G. Viesti, D. Bazzacco, C. Ur, D. Napoli, P. Pavan, C. Alvarez, P. Bortignon, E. Fiore, L. Fiore, V. Paticchio, and B. Fornal.
EUROPEAN PHYSICAL JOURNAL A **7**, 361 (2000)
- [219] Pronounced shape change induced by quasiparticle alignment.
A. Algorta, G. de Angelis, F. Brandolini, R. Wyss, A. Gadea, E. Farnea, W. Gelletly, S. Lunardi, D. Bazzacco, C. Fahlander, A. Aprahamian, F. Becker, P. Bizzeti, A. Bizzeti-Sona, D. de Acuna, M. De Poli, J. Eberth, D. Foltescu, S. Lenzi, T. Martinez, D. Napoli, P. Pavan, C. Petrache, C. Alvarez, D. Rudolph, B. Rubio, S. Skoda, P. Spolaore, R. Menegazzo, H. Thomas, and C. Ur.
PHYSICAL REVIEW C **61**, 031303 (2000)
- [220] Study of the Mo-Ba partition in Cf-252 spontaneous fission.
D. Biswas, R. Choudhury, M. Cinausero, B. Fornal, D. Shetty, G. Viesti, D. Fabris, E. Fioretto, M. Lunardon, G. Nebbia, G. Prete, D. Bazzacco, M. DePoli, D. Napoli, C. Ur, and G. Vedovato.
EUROPEAN PHYSICAL JOURNAL A **7**, 189 (2000)
- [221] Multinucleon transfer reactions in the Ca-40+Sn-124 system studied via gamma-particle coincidences.
L. Corradi, G. de Angelis, A. Gadea, G. Maron, D. Napoli, A. Stefanini, S. Beghini, D. Bazzacco, G. Montagnoli, P. Pavan, F. Scarlassara, C. Ur, J. He, C. Fahlander, G. Pollarolo, and F. Cerutti.
PHYSICAL REVIEW C **61**, 024609 (2000)
- [222] First identification of excited states in the T-z=1/2 nucleus Zr-81.
N. Marginean, D. Bucurescu, C. Ur, D. Bazzacco, S. Lunardi, S. Lenzi, C. Alvarez, G. de Angelis, A. Gadea, D. Napoli, M. De Poli, and P. Spolaore.
PHYSICAL REVIEW C **61**, 024310 (2000)

- [223] Magnetic rotation in the $A=80$ region: M1 bands in heavy Rb isotopes.
R. Schwengner, H. Schnare, S. Frauendorf, F. Donau, L. Kaubler, H. Prade, E. Grosse, A. Jungclauss, K. Lieb, C. Lingk, S. Skoda, J. Eberth, G. de Angelis, A. Gadea, E. Farnea, D. Napoli, C. Ur, and G. Lo Bianco.
JOURNAL OF RESEARCH OF THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY **105**, 133 (2000)
- [224] Triaxial superdeformation in Lu-163.
J. Domscheit, S. Tormanen, B. Aengenvoort, H. Hubel, R. Bark, M. Bergstrom, A. Bracco, R. Chapman, D. Cullen, C. Fahlander, S. Frattini, A. Gorgen, G. Hagermann, A. Harsmann, B. Herskind, H. Jensen, S. King, S. Lenzi, D. Napoli, S. Odegard, C. Petrache, H. Ryde, U. van Severen, G. Sletten, P. Tjom, and C. Ur.
NUCLEAR PHYSICS A **660**, 381 (1999)
- [225] Decay-out of the yrast superdeformed band in Nd-136: Towards an experimental extraction of the neutron pairing gap at large deformation.
S. Perries, A. Astier, L. Ducroux, M. Meyer, N. Redon, C. Petrache, D. Bazzacco, G. Falconi, S. Lunardi, M. Lunardon, C. Alvarez, C. Ur, R. Venturelli, G. Viesti, I. Deloncle, M. Porquet, G. de Angelis, M. de Poli, C. Fahlander, E. Farnea, D. Foltescu, A. Gadea, D. Napoli, Z. Podolyak, A. Bracco, S. Frattini, S. Leoni, B. Cederwall, A. Johnson, and R. Wyss.
PHYSICAL REVIEW C **60**, 064313 (1999)
- [226] Fragment spin as a function of the mass asymmetry in heavy ion induced fission reactions.
R. Choudhury, A. Saxena, A. Chatterjee, D. Shetty, S. Kapoor, M. Cinausero, L. Corradi, E. Farnea, E. Fioretto, A. Gadea, D. Napoli, G. Prete, A. Stefanini, D. Bazzacco, S. Beghini, D. Fabris, G. Montagnoli, G. Nebbia, C. Rossi-Alvarez, F. Scarlassara, C. Ur, and G. Viesti.
PHYSICAL REVIEW C **60**, 054609 (1999)
- [227] High-spin state spectroscopy in Tb-143.
F. Espinoza-Quinones, M. Rizzutto, E. Cybulska, W. Seale, J. Oliveira, N. Medina, R. Ribas, M. Rao, D. Bazzacco, F. Brandolini, S. Lunardi, C. Petrache, Z. Podolyak, C. Rossi-Alvarez, F. Soramel, C. Ur, M. Cardona, G. de Angelis, D. Napoli, P. Spolaore, A. Gadea, D. De Acuna, M. De Poli, E. Farnea, D. Foltescu, M. Ionescu-Bujor, A. Iordachescu, V. Roca, F. Terrasi, A. Chatterjee, A. Saxena, and L. Bohus.
PHYSICAL REVIEW C **60**, 054304 (1999)
- [228] Quadrupole moment of the yrast superdeformed band in Gd-144.
C. Ur, D. Bazzacco, G. Bolzonella, S. Lunardi, N. Medina, C. Petrache, M. Rao, C. Alvarez, L. Zhu, G. de Angelis, D. De Acuna, D. Napoli, W. Gast, R. Lieder, T. Rzaca-Urban, and R. Wyss.
PHYSICAL REVIEW C **60**, 054302 (1999)
- [229] High-K band of unnatural parity in Cr-49.
F. Brandolini, N. Medina, S. Lenzi, D. Napoli, A. Poves, R. Ribas, J. Sanchez-Solano, C. Ur, D. Bucurescu, M. De Poli, R. Menegazzo, D. Bazzacco, G. de Angelis, A. Gadea, and C. Rossi-Alvarez.
PHYSICAL REVIEW C **60**, 041305 (1999)
- [230] Transition quadrupole moments at high spin in Nd-133 rotational bands.
F. Brandolini, N. Medina, D. Bazzacco, D. Bucurescu, M. Ionescu-Bujor, R. Ribas, C. Alvarez, C. Ur, M. De Poli, G. de Angelis, G. Falconi, S. Lunardi, P. Pavan, R. Burch, and D. De Acuna.
PHYSICAL REVIEW C **60**, 024310 (1999)

- [231] Lifetime measurements in Ge-71 and a new interacting boson-fermion model interpretation. M. Ivascu, N. Marginean, D. Bucurescu, I. Cata-Danil, C. Ur, and Y. Lobach. *PHYSICAL REVIEW C* **60**, 024302 (1999)
- [232] Band termination in the $N = Z$ odd-odd nucleus V-46. S. Lenzi, D. Napoli, C. Ur, D. Bazzacco, F. Brandolini, J. Cameron, E. Caurier, G. de Angelis, M. De Poli, E. Farnea, A. Gadea, S. Hankonen, S. Lunardi, G. Martinez-Pinedo, Z. Podolyak, A. Poves, C. Alvarez, J. Sanchez-Solano, and H. Somacal. *PHYSICAL REVIEW C* **60**, 021303 (1999)
- [233] First evidence of magnetic rotation in the $A=80$ region. H. Schnare, R. Schwengner, S. Frauendorf, F. Donau, L. Kaubler, H. Prade, A. Jungclaus, K. Lieb, C. Lingk, S. Skoda, J. Eberth, G. de Angelis, A. Gadea, E. Farnea, D. Napoli, C. Ur, and G. Lo Bianco. *PHYSICAL REVIEW LETTERS* **82**, 4408 (1999)
- [234] Triaxial superdeformed bands in Lu-164 and enhanced E1 decay-out strength. S. Tormanen, S. Odegard, G. Hagemann, A. Harsmann, M. Bergstrom, R. Bark, B. Herskind, G. Sletten, P. Tjom, A. Gorgen, H. Hubel, B. Aengenvoort, U. van Severen, C. Fahlander, D. Napoli, S. Lenzi, C. Petrache, C. Ur, H. Jensen, H. Ryde, R. Bengtsson, A. Bracco, S. Fratini, R. Chapman, D. Cullen, and S. King. *PHYSICS LETTERS B* **454**, 8 (1999)
- [235] Structure of the odd-odd-nucleus Nb-84. N. Marginean, D. Bucurescu, C. Ur, D. Bazzacco, S. Lenzi, S. Lunardi, C. Alvarez, M. Ionescu-Bujur, A. Iordachescu, G. de Angelis, M. De Poli, E. Farnea, A. Gadea, D. Napoli, P. Spolaore, and A. Buscemi. *EUROPEAN PHYSICAL JOURNAL A* **4**, 311 (1999)
- [236] Fragment dependence of high energy gamma-ray emission in the spontaneous fission of Cf-252. D. Biswas, B. Nayak, M. Cinausero, B. Fornal, G. Viesti, D. Bazzacco, M. DePoli, D. Fabris, E. Fioretto, M. Lunardon, D. Napoli, G. Nebbia, G. Prete, C. Ur, and G. Vedovato. *EUROPEAN PHYSICAL JOURNAL A* **4**, 343 (1999)
- [237] Lifetimes and structure of excited states of As-73. D. Bucurescu, I. Cata-Danil, M. Ivascu, N. Marginean, L. Stroe, C. Ur, and N. Dinu. *INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS* **8**, 17 (1999)
- [238] Accelerated emission of gamma rays from the 31-yr isomer of Hf-178 induced by X-ray irradiation. C. Collins, F. Davanloo, M. Iosif, R. Dussart, J. Hicks, S. Karamian, C. Ur, I. Popescu, V. Kirischuk, J. Carroll, H. Roberts, P. McDaniel, and C. Crist. *PHYSICAL REVIEW LETTERS* **82**, 695 (1999)
- [239] Evidence for the forced gamma emission from the 31-year isomer of hafnium-178. C. Collins, F. Davanloo, M. Iosif, R. Dussart, J. Hicks, S. Karamian, C. Ur, V. Kirischuk, J. Carroll, H. Roberts, P. McDaniel, and C. Crist. *LASER PHYSICS* **9**, 8 (1999)
- [240] Excited states in Fe-52 and the origin of the yrast trap at $I-\pi=12(+)$. C. Ur, D. Bucurescu, S. Lenzi, G. Martinez-Pinedo, D. Napoli, D. Bazzacco, F. Brandolini, D. Brink, J. Cameron, E. Caurier, G. de Angelis, M. De Poli, A. Gadea, S. Lunardi, N. Marginean, M. Nagarajan, P. Pavan, C. Alvarez, and C. Svensson. *PHYSICAL REVIEW C* **58**, 3163 (1998)

- [241] Precise DSAM lifetime measurements in Cr-48 and Cr-50 as a test of large scale shell model calculations.
F. Brandolini, S. Lenzi, D. Napoli, R. Ribas, H. Somacal, C. Ur, D. Bazzacco, J. Cameron, G. de Angelis, M. De Poli, C. Fahlander, A. Gadea, S. Lunardi, G. Martinez-Pinedo, N. Medina, C. Alvarez, J. Sanchez-Solano, and C. Svensson.
NUCLEAR PHYSICS A **642**, 387 (1998)
- [242] High-spin states in the odd-odd $N=Z$ nucleus Mn-50.
C. Svensson, S. Lenzi, D. Napoli, A. Poves, C. Ur, D. Bazzacco, F. Brandolini, J. Cameron, G. de Angelis, A. Gadea, D. Haslip, S. Lunardi, E. Maqueda, G. Martinez-Pinedo, M. Nagarajan, C. Alvarez, A. Vitturi, and J. Waddington.
PHYSICAL REVIEW C **58**, R2621 (1998)
- [243] Rotational bands in Nd-133.
D. Bazzacco, F. Brandolini, G. Falconi, S. Lunardi, N. Medina, P. Pavan, C. Alvarez, G. de Angelis, D. De Acuna, M. De Poli, D. Napoli, J. Rico, D. Bucurescu, M. Ionescu-Bujor, and C. Ur.
PHYSICAL REVIEW C **58**, 2002 (1998)
- [244] Influence of valence neutron configuration on quadrupole deformation in doubly-odd Pr-134.
M. Rao, R. Ribas, N. Medina, J. Oliveira, M. Rizzutto, W. Seale, C. Petrache, D. Bazzacco, S. Lunardi, C. Alvarez, T. Scanferla, C. Ur, R. Venturelli, F. Espinoza-Quinones, Z. Podolyak, D. De Acuna, G. de Angelis, M. De Poli, E. Farnea, A. Gadea, D. Napoli, L. Zhu, A. Dewald, J. Gableske, and P. von Brentano.
PHYSICAL REVIEW C **58**, R1367 (1998)
- [245] Giant dipole emission in N/Z asymmetric heavy-ion reactions.
M. Cinausero, N. Gelli, G. Viesti, F. Lucarelli, D. Bazzacco, P. Bortignon, A. Brondi, D. Fabris, E. Farnea, E. Fiore, L. Fiore, E. Fioretto, B. Fornal, G. La Rana, M. Lunardon, D. Napoli, G. Nebbia, V. Patocchio, G. Prete, C. Alvarez, C. Ur, and E. Vardaci.
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS **111**, 613 (1998)
- [246] New insights in the first backbending region of heavy Dy isotopes.
T. Hartlein, H. Bauer, B. Binder, A. Dietrich, C. Gund, D. Pansegrau, D. Schwalm, A. Jungclauss, G. Hagemann, G. de Angelis, E. Farnea, A. Gadea, D. Napoli, D. Bazzacco, C. Alvarez, S. Lunardi, and C. Ur.
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS **111**, 645 (1998)
- [247] Deformation of highly deformed bands in Nd nuclei.
C. Petrache, Z. Podolyak, D. Bazzacco, S. Lunardi, R. Menegazzo, M. Rao, C. Alvarez, T. Scanferla, C. Ur, R. Venturelli, G. de Angelis, D. de Acuna, M. De Poli, E. Farnea, A. Gadea, D. Napoli, A. Dewald, J. Gableske, P. von Brentano, and R. Wyss.
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS **111**, 657 (1998)
- [248] High-spin studies of Lu-164 using EUROBALL.
S. Tormanen, G. Hagemann, A. Harsmann, M. Bergstrom, R. Bark, B. Herskind, G. Sletten, S. Odegard, P. Tjom, A. Gorgen, H. Hubel, B. Aengenvoort, U. van Severen, H. Ryde, C. Fahlander, D. Napoli, S. Lenzi, C. Petrache, C. Ur, H. Jensen, A. Bracco, S. Frattini, R. Chapman, D. Cullen, and S. King.
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS **111**, 685 (1998)

- [249] Structure of $N=Z$ nuclei in the $1f(7/2)$ shell.
S. Lenzi, C. Ur, D. Napoli, D. Bazzacco, F. Brandolini, J. Cameron, G. de Angelis, M. De Poli, E. Farnea, A. Gadea, S. Lunardi, G. Martinez-Pinedo, A. Poves, C. Alvarez, H. Somacal, and C. Svensson.
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS **111**, 739 (1998)
- [250] $T=0$ pairing correlations and band crossing phenomena in $N=Z$ nuclei.
G. de Angelis, C. Fahlander, A. Gadea, E. Farnea, W. Gelletly, A. Aprahamian, A. Axelsson, D. Bazzacco, F. Becker, P. Bizzeti, A. Bizzeti-Sona, F. Brandolini, D. de Acuna, M. De Poli, J. Eberth, D. Foltescu, S. Lenzi, S. Lunardi, T. Martinez, D. Napoli, P. Pavan, C. Petrache, C. Alvarez, D. Rudolph, B. Rubio, S. Skoda, P. Spolaore, G. Thomas, C. Ur, M. Weiszflog, and R. Wyss.
NUCLEAR PHYSICS A **630**, 426C (1998)
- [251] DSAM lifetimes of the ground state band in Cr-48.
F. Brandolini, S. Lenzi, D. Napoli, R. Ribas, H. Somacal, C. Ur, D. Bazzacco, J. Cameron, G. de Angelis, M. De Poli, A. Gadea, C. Fahlander, S. Lunardi, M. Nagarajan, C. Alvarez, and C. Svensson.
ACTA PHYSICA HUNGARICA NEW SERIES-HEAVY ION PHYSICS **7**, 113 (1998)
- [252] DSAM lifetime measurements in Nd-133 collective bands.
N. Medina, F. Brandolini, D. Bazzacco, D. Bucurescu, G. de Angelis, M. De Poli, A. Dewald, G. Falconi, M. Ionescu-Bujor, S. Lunardi, D. Napoli, R. Menegazzo, G. Pascovici, P. Pavan, R. Ribas, C. Alvarez, C. Ur, and M. Wilhelm.
ACTA PHYSICA HUNGARICA NEW SERIES-HEAVY ION PHYSICS **7**, 321 (1998)
- [253] Lifetime measurements of highly deformed bands in Nd-134, Nd-135 and Ce-131.
C. Petrache, R. Wyss, Z. Podolyak, D. Bazzacco, G. de Angelis, D. de Acuna, M. De Poli, A. Dewald, E. Farnea, J. Gableske, A. Gadea, S. Lunardi, D. Napoli, M. Rao, C. Alvarez, T. Scanferla, C. Ur, R. Venturelli, P. von Brentano, and L. Zhu.
PHYSICAL REVIEW C **57**, R10 (1998)
- [254] Delayed $g(9/2)(2)$ alignment in the $N=Z$ nucleus Kr-72.
G. de Angelis, C. Fahlander, A. Gadea, E. Farnea, W. Gelletly, A. Aprahamian, D. Bazzacco, F. Becker, P. Bizzeti, A. Bizzeti-Sona, F. Brandolini, D. de Acuna, M. De Poli, J. Eberth, D. Foltescu, S. Lenzi, S. Lunardi, T. Martinez, D. Napoli, P. Pavan, C. Petrache, C. Alvarez, D. Rudolph, B. Rubio, W. Satula, S. Skoda, P. Spolaore, H. Thomas, C. Ur, and R. Wyss.
PHYSICS LETTERS B **415**, 217 (1997)
- [255] Rotational quenching of the $N=72$ shell gap and the role of the $\nu i(13/2)$ intruder orbital in Nd-132.
C. Petrache, D. Bazzacco, P. Bednarczyk, G. de Angelis, M. De Poli, C. Fahlander, G. Falconi, E. Farnea, A. Gadea, M. Lunardon, S. Lunardi, N. Marginean, R. Menegazzo, P. Pavan, Z. Podolyak, C. Alvarez, C. Ur, R. Venturelli, L. Zhu, and R. Wyss.
PHYSICS LETTERS B **415**, 223 (1997)
- [256] Proton and neutron alignments in the doubly odd nucleus Br-76.
Q. Pan, M. De Poli, E. Farnea, C. Fahlander, D. De Acuna, G. de Angelis, D. Bazzacco, F. Brandolini, A. Buscemi, P. Dagnall, A. Gadea, S. Lunardi, D. Napoli, C. Petrache, M. Rao, C. Alvarez, A. Smith, P. Spolaore, G. Vedovato, C. Ur, and L. Zhu.
NUCLEAR PHYSICS A **627**, 334 (1997)

- [257] Evolution of collectivity along the $N=Z$ line: The Mo-84 nucleus.
D. Bucurescu, C. Alvarez, C. Ur, N. Marginean, P. Spolaore, D. Bazzacco, S. Lunardi, D. Napoli, M. IonescuBujor, A. Iordachescu, C. Petrache, G. deAngelis, A. Gadea, D. Foltescu, F. Brandolini, G. Falconi, E. Farnea, S. Lenzi, N. Medina, Z. Podolyak, M. DePoli, M. Rao, and R. Venturelli.
PHYSICAL REVIEW C **56**, 2497 (1997)
- [258] Band termination and second backbending in Cr-50.
S. Lenzi, C. Ur, D. Napoli, M. Nagarajan, D. Bazzacco, D. Brink, M. Cardona, G. deAngelis, M. DePoli, A. Gadea, D. Hojman, S. Lunardi, N. Medina, and C. Alvarez.
PHYSICAL REVIEW C **56**, 1313 (1997)
- [259] Band crossing phenomena in $N = Z$ nuclei - A probe to $T = 0$ pairing correlations?
G. de Angelis, C. Fahlander, A. Gadea, E. Farnea, W. Gelletly, A. Aprahamian, D. Bazzacco, F. Becker, P. Bizzeti, A. Bizzeti-Sona, F. Brandolini, D. De Acuna, M. De Poli, J. Eberth, D. Foltescu, S. Lenzi, S. Lunardi, T. Martinez, D. Napoli, P. Pavan, C. Petrache, C. Alvarez, D. Rudolph, B. Rubio, S. Skoda, P. Spolaore, G. Thomas, **C. Ur**, M. Weiszflog, and R. Wyss.
ACTA PHYSICA HUNGARICA NEW SERIES-HEAVY ION PHYSICS **6**, 269 (1997)
- [260] R. Lieder, T. RzacaUrban, H. Jensen, W. Gast, A. Georgiev, H. Jager, S. Utzelmann, C. Ur, G. Bolzonella, D. Bazzacco, S. Lunardi, N. Medina, R. Menegazzo, C. Petrache, M. Rizzuto, C. RossiAlvarez, G. DeAngelis, D. DeAcuna, G. Maron, D. Napoli, G. Vedovato, L. Zhu, and R. Wyss, in *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, VOL 38: 4(PI) HIGH RESOLUTION GAMMA RAY SPECTROSCOPY AND NUCLEAR STRUCTURE*, Progress in Particle and Nuclear Physics, Vol. 38, edited by A. Faessler (1997) pp. 41–49
- [261] C. Ur, S. Lenzi, D. Bucurescu, A. Gadea, D. Napoli, D. Bazzacco, F. Brandolini, J. Cameron, M. Cardona, G. DeAngelis, D. Hojman, S. Lunardi, M. Nagarajan, M. DePoli, C. Alvarez, and C. Svenson, in *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, VOL 38: 4(PI) HIGH RESOLUTION GAMMA RAY SPECTROSCOPY AND NUCLEAR STRUCTURE*, Progress in Particle and Nuclear Physics, Vol. 38, edited by A. Faessler (1997) pp. 223–224
- [262] Doppler-shift attenuation method lifetime measurements of low-lying states in In-111.
D. Bucurescu, I. CataDanil, G. Ilas, M. Ivascu, N. Marginean, L. Stroe, and C. Ur.
PHYSICAL REVIEW C **54**, 2313 (1996)
- [263] Global anharmonic vibrator behaviour of one-quasiparticle structures in odd-A nuclei and the IBFA model.
D. Bucurescu, N. Marginean, I. CataDanil, M. Ivascu, L. Stroe, and C. Ur.
PHYSICS LETTERS B **386**, 12 (1996)
- [264] Level structures of Ce-131,Ce-129 observed in beta decay.
A. Gizon, J. Genevey, D. Bucurescu, G. CataDanil, J. Gizon, J. Inchaouh, D. Barneoud, T. vonEgidy, C. Liang, B. Nyako, P. Paris, I. Penev, A. Plochocki, E. Ruchowska, C. Ur, B. Weiss, and L. Zolnai.
NUCLEAR PHYSICS A **605**, 301 (1996)
- [265] Evolution from spherical to various deformed shapes in the odd-odd Pr-136(59)77 nucleus.
C. Petrache, C. Ur, D. Bazzacco, S. Lunardi, C. Alvarez, M. IonescuBujor, A. Iordachescu, D. Bucurescu, F. Brandolini, G. deAngelis, G. Maron, D. Napoli, P. Pavan, N. Medina, R. Venturelli, S. Brant, and D. Vretenar.
NUCLEAR PHYSICS A **603**, 50 (1996)

- [266] Global correlations of unique parity structures in odd-A nuclei.
D. Bucurescu, N. Zamfir, G. CataDanil, M. Ivascu, L. Stroe, C. Ur, and R. Casten.
PHYSICS LETTERS B **376**, 1 (1996)
- [267] Competing mechanism for generating high spin excitations in gamma-soft nuclei: The Nd-136 case.
C. Petrache, D. Bazzacco, S. Lunardi, C. Alvarez, R. Venturelli, D. Bucurescu, C. Ur, D. DeA-
cuna, G. Maron, D. Napoli, N. Medina, J. Oliveira, and R. Wyss.
PHYSICS LETTERS B **373**, 275 (1996)
- [268] Global phenomenology of B(E2) values in unique parity quasibands of odd-A nuclei.
D. Bucurescu, N. Marginean, G. CataDanil, M. Ivascu, L. Stroe, and C. Ur.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS **22**, 371 (1996)
- [269] Rotational bands in the doubly odd nucleus Pr-134.
C. Petrache, D. Bazzacco, S. Lunardi, C. Alvarez, G. deAngelis, M. DePoli, D. Bucurescu, C. Ur,
P. Semmes, and R. Wyss.
NUCLEAR PHYSICS A **597**, 106 (1996)
- [270] ROTATIONAL STRUCTURES IN THE ODD-ODD NUCLEUS Y-80.
D. BUCURESCU, C. UR, D. BAZZACCO, C. ROSSIALVAREZ, P. SPOLAORE, C. PETRA-
CHE, M. IONESCUBUJOR, S. LUNARDI, N. MEDINA, D. NAPOLI, M. DEPOLI, G. DEAN-
GELIS, F. BRANDOLINI, A. GADEA, P. PAVAN, and G. SEGATO.
ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI **352**, 361 (1995)
- [271] DOPPLER-SHIFT ATTENUATION METHOD LIFETIME MEASUREMENTS IN SB-115
AND SB-117.
D. BUCURESCU, I. CATADANIL, G. ILAS, M. IVASCU, L. STROE, and C. UR.
PHYSICAL REVIEW C **52**, 616 (1995)
- [272] DECAY OUT OF THE HIGHLY DEFORMED BANDS IN THE ODD ND ISOTOPES - THE
ND-137 NUCLEUS.
S. LUNARDI, R. VENTURELLI, D. BAZZACCO, C. PETRACHE, C. ROSSIALVAREZ,
G. DEANGELIS, G. VEDOVATO, D. BUCURESCU, and C. UR.
PHYSICAL REVIEW C **52**, R6 (1995)
- [273] DECAY-OUT OF THE HIGHLY-DEFORMED BANDS IN THE A=130-140 MASS REGION.
C. ROSSIALVAREZ, D. BAZZACCO, S. LUNARDI, N. MEDINA, R. MENEGAZZO, R. VEN-
TURELLI, G. DEANGELIS, M. DEPOLI, D. NAPOLI, C. PETRACHE, D. BUCURESCU, and
C. UR.
ACTA PHYSICA POLONICA B **26**, 237 (1995)
- [274] MULTIPLE-HIGHLY DEFORMED BANDS IN THE NUCLEUS ND-134.
C. PETRACHE, S. LUNARDI, D. BAZZACCO, D. BUCURESCU, G. DEANGELIS,
C. ROSSIALVAREZ, C. UR, and R. WYSS.
PHYSICS LETTERS B **335**, 307 (1994)
- [275] 1ST OBSERVATION OF LOW-LYING STATES IN THE DOUBLY ODD NUCLEUS PR-132
FROM BETA-DECAY OF ND-132.
D. BUCURESCU, D. BARNEAUD, R. BERAUD, G. CATADANIL, T. VONEGIDY, A. EM-
SALLEM, J. GENEVEY, A. GIZON, J. GIZON, C. LIANG, P. PARIS, C. UR, and B. WEISS.
ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI **349**, 3 (1994)

- [276] COMPLETE DECAY OUT OF THE SUPERDEFORMED BAND IN ND-133.
D. BAZZACCO, F. BRANDOLINI, R. BURCH, S. LUNARDI, E. MAGLIONE, N. MEDINA,
P. PAVAN, C. ROSSIALVAREZ, G. DEANGELIS, D. DEACUNA, M. DEPOLI, J. RICO,
D. BUCURESCU, and **C. UR**.
PHYSICAL REVIEW C **49**, R2281 (1994)
- [277] Accelerator Mass Spectrometry - Principles (II).
M. IVASCU, D. BUCURESCU, G. CATA-DANIL, I. CATA-DANIL, L. STROE, and C. UR.
ROMANIAN REPORTS IN PHYSICS **46**, 283 (1994)
- [278] Accelerator Mass Spectrometry - Principles (I).
G. CATA-DANIL, M. IVASCU, D. BUCURESCU, I. CATA-DANIL, G. CONSTANTINESCU,
L. STROE, and C. UR.
ROMANIAN REPORTS IN PHYSICS **46**, 261 (1994)
- [279] GLOBAL SYSTEMATICS OF UNIQUE PARITY QUASI-BANDS IN ODD-A COLLECTIVE
NUCLEI.
D. BUCURESCU, G. CATA DANIL, M. IVASCU, L. STROE, and C. UR.
PHYSICAL REVIEW C **49**, R1759 (1994)
- [280] Focal Plane Detector for a Recoil Mass Spectrometer.
C. PETRACHE, D. BUCURESCU, G. CATA-DANIL, I. CATA-DANIL, M. IVASCU, C. UR,
and L. STROE.
ROMANIAN REPORTS IN PHYSICS **45**, 497 (1993)
- [281] The Recoil Mass Spectrometer of the Institute of Atomic Physics and the Questions that can
be Addressed by using Low Energy Secondary Beams.
D. BUCURESCU, G. CATA-DANIL, I. CATA-DANIL, M. IVASCU, C. PETRACHE, C. UR,
and L. STROE.
ROMANIAN REPORTS IN PHYSICS **45**, 81 (1993)
- [282] BAND-STRUCTURE SYSTEMATICS AND SYMMETRIES IN EVEN-EVEN NUCLEI.
D. BUCURESCU, G. CATA-DANIL, M. IVASCU, and C. UR.
PHYSICAL REVIEW C **48**, R21 (1993)
- [283] IBFM FOR BA ISOTOPES AND CHAOTICITY.
D. BUCURESCU, G. CATADANIL, M. IVASCU, A. GIZON, J. GIZON, and C. UR.
ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI **343**, 139 (1992)
- [284] IBFM FOR BARIUM ISOTOPES AND CHAOTICITY.
D. BUCURESCU, G. CATADANIL, M. IVASCU, A. GIZON, J. GIZON, and C. UR.
PROGRESS IN PARTICLE AND NUCLEAR PHYSICS **28**, 401 (1992)

Proceedings

- [1] The Tandem-ALPI-PIAVE accelerator complex of LNL
C.A.Ur
Proc. Conf. on Multidisciplinary Applications of Nuclear Physics with Ion Beams (ION BEAMS '12), Legnaro, Italy, 6–8 June, 2012
R.A.Ricci, V.Rigato, P.Mazzoldi, Eds.
AIP Conf. Proc. 1530, p.35, 2013
doi: 10.1063/1.4812903
- [2] Perspectives for the gamma-ray spectroscopy at LNL: the GALILEO project
C.A.Ur
Proc. XIX International School on Nuclear Physics, Neutron Physics, Applications, Varna, Bulgaria, September 19-25, 2011
C.Stoyanov, S.Dimitrova, V.Voronov, Eds.
Journal of Physics: Conference Series Vol .366, p.012044, 2012
doi: 10.1088/1742-6596/366/1/012044
- [3] Study of the Order-to-Chaos transition in 174W with the AGATA-Demonstrator
V Vandone, S Leoni, D Assanelli, S Bottoni, A Bracco, F Camera, F C L Crespi, A Giaz, R Nicolini, L Pellegrini, G Benzoni, N Blasi, C Boiano, S Brambilla, B Million, O Wieland, A Corsi, D Bortolato, E Calore, A Gottardo, D R Napoli, E Sahin, J J Valiente Dobon, D Bazzacco, M Bellato, E Farnea, S Lunardi, D Mengoni, C Michelagnoli, D Montanari, F Recchia, C A Ur, A Gadea, T Huyuk, N Cieplicka, A Maj, M Kmiecik, A Atac, S Akkoyun, A Kaskas, J Nyberg, P A Soderstrom
Proc. XIX International School on Nuclear Physics, Neutron Physics, Applications, Varna, Bulgaria, September 19-25, 2011
C.Stoyanov, S.Dimitrova, V.Voronov, Eds.
Journal of Physics: Conference Series Vol .366, p.012045, 2012
doi: 10.1088/1742-6596/366/1/012045
- [4] Multinucleon transfer reactions: an overview of recent results
E.Fioretto, L.Corradi, S.Szilner Bazzacco, E.Farnea, A.Gadea, D.Mengoni, D.Montanari, C.Michelagnoli, T.Mijatovic, G.Montagnoli, F.Recchia, F.Scarlassara, A.M.Stefanini, C.A.Ur, J.J.Valiente-Dobon, G.Pollarolo, N.Soic
Proc. XIX International School on Nuclear Physics, Neutron Physics, Applications, Varna, Bulgaria, September 19-25, 2011
C.Stoyanov, S.Dimitrova, V.Voronov, Eds.
Journal of Physics: Conference Series Vol .366, p.012016, 2012
doi: 10.1088/1742-6596/366/1/012016

- [5] Electromagnetic transition strengths in ^{155}Dy
M.S.Yavahchova, P.Petkov, A.Dewald, O.Moeller, B.Saha, A.Fitzler, K.Jessen, D.Tonev, N.Gutev, T.Klug, S.Heinze, J.Jolie, P.von Brentano, D.Bazzacco, C.Ur, E.Farnea, M.Axiotis, S.Lunardi, C.Rossi-Alvarez, G.de Angelis, D.R.Napoli, N.Marginean, T.Martinez, M.Caprio
Proc. XIX International School on Nuclear Physics, Neutron Physics, Applications, Varna, Bulgaria, September 19-25, 2011
C.Stoyanov, S.Dimitrova, V.Voronov, Eds.
Journal of Physics: Conference Series Vol .366, p.012050, 2012
doi: 10.1088/1742-6596/366/1/012050
- [6] Lifetime measurement of the 6.79 MeV state in O-15 with the AGATA Demonstrator
C.Michelagnoli, R.Depalo, C.A.Ur, R.Menegazzo, C.Broggini, D.Bazzacco, A.Caciolli, E.Farnea, S.Lunardi, D.Bemmerer, N.Keeley, M.Erhard, Zs.Fueloep, A.Gottardo, M.Marta, D.Mengoni, T.Mijatovic, F.Recchia, C.Rossi-Alvarez, T.Szuecs, J.J.Valiente-Dobon
Proc. Carpathian Summer School of Physics (CSSP), Sinaia, Romania, June 24-July 7, 2012
S.Kubono, T.Hayakawa, T.Kajino, H.Miyatake, T.Motobayashi, K.Nomoto, Eds.
AIP Conf. Proc. 1484, p.281, 2012
doi: 10.1063/1.4763408
- [7] Lifetime measurement of the 6.79 MeV state in O-15 with the AGATA Demonstrator
R.Depalo, C.Michelagnoli, R.Menegazzo, C.A.Ur, D.Bazzacco, D.Bemmerer, C.Broggini, A.Caciolli, M.Erhard, E.Farnea, Zs.Fueloep, A.Gottardo, N.Keeley, S.Lunardi, M.Marta, D.Mengoni, T.Mijatovic, F.Recchia, C.Rossi-Alvarez, T.Szuecs, J.J.Valiente-Dobon
Proc. Carpathian Summer School of Physics (CSSP), Sinaia, Romania, June 24-July 7, 2012
L.Trache, P.G.Isar, Eds.
AIP Conf. Proc. 1498, p.319, 2012
doi: 10.1063/1.4768511
- [8] Sub-barrier fusion of $^{32}\text{S}+^{48}\text{Ca}$
G.Montagnoli, A.M.Stefanini, C.L.Jiang, L.Corradi, S.Courtin, H.Esbensen, E.Fioretto, A.Goasduff, J.Grebosz, F.Haas, A.F.Kifle, M.Mazzocco, C.Michelagnoli, T.Mijatovic, P.Molini, D.Montanari, K.E.Rehm, R.Silvestri, P.P.Singh, F.Scarlassara, S.Szilner, X.D.Tang, C.A.Ur
Proc. 2nd International Conference on Nuclear Structure and Dynamics, Opatija, Croatia, July 9-13, 2012
T.Niksic, M.Milin, D.Vretenar, S.Szilner, Eds.
AIP Conf. Proc. 1491, p.377, 2012
doi: 10.1063/1.4764281
- [9] Lifetime measurements of high-lying short-lived states in ^{69}As
M.Matejska-Minda, P.Bednarczyk, B.Fornal, M.Ciemala, M.Kmiecik, M.Krzysiek, A.Maj, W.Meczynski, S.Myalski, J.Styczen, M.Zieblinski, G.de Angelis, T.Huyuk, C.Michelagnoli,

- E.Sahin, S.Aydin, E.Farnea, R.Menegazzo, F.Recchia, C.A.Ur, S.Brambilla, S.Leoni,
D.Montanari, G.Jaworski, M.Palacz, R.Wadsworth
Proc. 2nd International Conference on Nuclear Structure and Dynamics, Opatija, Croatia,
July 9-13, 2012
T.Niksic, M.Milin, D.Vretenar, S.Szilner, Eds.
AIP Conf. Proc. 1491, p.128, 2012
doi: 10.1063/1.4764219
- [10] Response Function of the Magnetic Spectrometer PRISMA for the Multinucleon Transfer
Reaction Ar-40+Pb-208
T.Mijatovic, S.Szilner, L.Corradi, S.Courtin, E.Farnea, E.Fioretto, A.Gadea, A.Goasduff,
F.Haas, D.Jelavic-Malenica, S.Lunardi, D.Mengoni, G.Montagnoli, D.Montanari,
G.Pollarolo, F.Recchia, E.Sahin, F.Scarlassara, N.Soic, A.M.Stefanini, C.A.Ur, J.J.Valiente-
Dobon, J. J
Proc. 2nd International Conference on Nuclear Structure and Dynamics, Opatija, Croatia,
July 9-13, 2012
T.Niksic, M.Milin, D.Vretenar, S.Szilner, Eds.
AIP Conf. Proc. 1491, p.346, 2012
doi: 10.1063/1.4764272
- [11] Heavy-Ion Transfer Reactions at Large Internuclear Distance
D.Montanari, L.Corradi, S.Szilner, G.Pollarolo, E.Fioretto, A.M.Stefanini, E.Farnea,
C.Michelagnoli, G.Montagnoli, F.Scarlassara, C.A.Ur, S.Courtin, A.Goasduff, F.Haas,
T.Mijatovic, N.Soic, J.Grebosz
Proc. 2nd International Conference on Nuclear Structure and Dynamics, Opatija, Croatia,
July 9-13, 2012
T.Niksic, M.Milin, D.Vretenar, S.Szilner, Eds.
AIP Conf. Proc. 1491, p.373, 2012
doi: 10.1063/1.4764280
- [12] Multinucleon transfer reactions: an overview of recent results
E Fioretto, L Corradi, S Szilner, D Bazzacco, E Farnea, A Gadea, D Mengoni, D Montanari,
C Michelagnoli, T Mijatovic, G Montagnoli, F Recchia, F Scarlassara, A M Stefanini, C A
Ur, J J Valiente-Dobon, G Pollarolo, N Soic
Proc. XIX International School on Nuclear Physics, Neutron Physics, Applications, Varna,
Bulgaria, September 19-25, 2011
C.Stoyanov, S.Dimitrova, V.Voronov, Eds.
Journal of Physics: Conference Series Vol .366, p.012016, 2012
doi: 10.1088/1742-6596/366/1/012016
- [13] Spectroscopy of neutron-rich Co nuclei populated in the Zn-70+U-238 reaction
F.Recchia, S.M.Lenzi, S.Lunardi, E.Farnea, A.Gadea, N.Marginean, J.J.Valiente-Dobon,
M.Axiotis, S.Aydin, D.Bazzacco, G.Benzoni, P.G.Bizzeti, A.M.Bizzeti-Sona, A. Bracco,

- D.Bazzacco, F.Camera, L.Corradi, G.de Angelis, F.Della Vedova, E.Fioretto, M.Ionescu-Bujor, A.Iordachescu, S.Leoni, R.Marginean, P.Mason, R.Menegazzo, D.Mengoni, B.Million, G.Montagnoli, D.R.Napoli, F.Nowacki, R.Orlandi, G.Pollarolo, A.Poves, E.Sahin, K.Sieja, F.Scarlassara, R.P.Singh, A.M.Stefanini, S.Szilner, C.A.Ur, O.Wieland
Proc. Rutherford Centennial Conference on Nuclear Physics Location: Univ Manchester, Manchester, ENGLAND Date: AUG 08-12, 2011
S.Freeman, A.Andreyev, A.Bruce, A.Deacon, D.Jenkins, D.Joss, D.MacGregor, P.Regan, J.Simpson, G.Tungate, B.Wadsworth, D.Watts, Eds.
Journal of Physics: Conference Series Vol .381, p.012082, 2012
doi: 10.1088/1742-6596/381/1/012082
- [14] The GERDA experiment: Status, perspectives
C.A.Ur, the GERDA collaboration
Proc. of Neutrino Oscillation Workshop NOW2010, Conca Specchiulla, Italy, September 5-11, 2010
P.Bernardini, G.Fogli, E.Lisi, Eds.
Nuclear Physics B (Proc. Suppl) Vol .38, p.012044, 2011
doi: 10.1016/j.nuclphysbps.2011.04.061
- [15] Lifetime measurements in mirror nuclei ^{31}S , ^{31}P : A test for isospin mixing
D.Tonev, G.de Angelis, P.Petkov, S.Iliev, R.Orlandi, C.Ur, N.Goutev, M.S.Yavahchova, R.Menegazzo, D.Bazzacco, P.G.Bizzeti, A.M.Bizzeti-Sona, S.Brant, D.Bucurescu, I.Deloncle, F.Della Vedova, E.Farnea, A.Gadea, C.He, A.Iordachescu, M.Ionescu-Bujor, H.Laftchiev, S.M.Lenzi, G.Lo Bianco, S.Lunardi, N.Marginean, R.Marginean, D.Mengoni, D.R.Napoli, H.Penttila, F.Recchia, E.Sahin, R.P.Singh, A.Saltarelli, J.J.Valiente-Dobon, H.-F.Wirth, Q.Zhong},
Proc. 10th International Spring Seminar on Nuclear Physics: New Quests in Nuclear Structure, May 21-25, 2010, Vietri sul Mare, Italy
Journal of Physics: Conference Series, Vol. 267, 012048, 2011
Doi: 10.1088/1742-6596/267/1/012048
- [16] Reaction dynamics, nuclear structure studies via deep inelastic collisions with heavy-ions: spin, parity assignment in ^{49}Ca
S. Leoni, D. Montanari, G. Benzoni, N. Blasi, G. Bocchi, A. Bracco, F. Camera, A. Corsi, F. C. L. Crespi, B. Million, R. Nicolini, O.Wieland, L. Corradi, G. de Angelis, F. Della Vedova, E. Fioretto, A. Gadea, B. Guiot, D. R. Napoli, R. Orlandi, F. Recchia, R.Silvestri, A. M. Stefanini, R. P. Singh, S. Szilner, J. J.Valiente-Dobon, D. Bazzacco, E. Farnea, S. M. Lenzi, S. Lunardi, P. Mason, D.Mengoni, G. Montagnoli, F. Scarlassara, C.Ur, G. Lo Bianco, A.Zucchiatti, M. Kmiecik, A. Maj, W. Meczynski, G. Pollarolo
Proc. International Nuclear Physics Conference 2010 (INPC2010), July 4-9, 2010, University of British Columbia, Vancouver, Canada
Journal of Physics: Conference Series, Vol. 312, p.092037, 2011
doi: 10.1088/1742-6596/312/9/092037

- [17] Collectivity of Exotic Heavy Fe Isotopes
C. Fransen, W. Rother, H. Iwasaki, A. Dewald, T. Baugher, D. Bazin, B. A. Brown, H. L. Crawford, A. Gade, T. N. Ginter, T. Glasmacher, G. F. Grinyer, M. Hackstein, G. Ilie, J. Jolie, S. M. Lenzi, S. McDaniel, D. Miller, P. Petkov, T. Pissulla, A. Ratkiewicz, K. Starosta, C.A.Ur, P. Voss, K. A. Walsh, D. Weisshaar, K. O. Zell
Proc. International Nuclear Physics Conference 2010 (INPC2010), July 4-9, 2010, University of British Columbia, Vancouver, Canada
Journal of Physics: Conference Series, Vol. 312, p.092025, 2011
doi: 10.1088/1742-6596/312/9/092025
- [18] Pair transfer processes probed at deep sub barrier energies
L.Corradi, S.Szilner, G.Pollarolo, P.Mason, E.Farnea, E.Fioretto, A.Gadea, F.Haas, D.Jelavic-Malenica, N.Marginean, C.Michelagnoli, G.Montagnoli, D.Montanari, F.Scarlassara, N.Soic, A.M.Stefanini, C.A.Ur, J.J.Valiente-Dobon
Proc.5th International Conference of Fusion11: Saint-Malo, France, May 2-6, 2011;. Ch. Schmitt, et al. Eds.
EPJ Web of Conferences Vol. 17, p.08004, 2011,
doi:10.1051/epjconf/20111708004
- [19] Quasi-elastic reactions: an interplay of reaction dynamics, nuclear structure
S.Szilner, T.Mijatovic, L.Corradi, G.Pollarolo, F.Haas, S.Courtin, E.Farnea, E.Fioretto, A.Gadea, A.Goasduff, D.Jelavic-Malenica, S.Lunardi, N.Marginean, G.Montagnoli, D.Montanari, F.Recchia, E.Sahin, F.Scarlassara, N.Soic, A.M.Stefanini, C.A.Ur, J.J.Valiente-Dobon},
Proc.5th International Conference of Fusion11: Saint-Malo, France, May 2-6, 2011;. Ch. Schmitt, et al. Eds.
EPJ Web of Conferences Vol. 17, p.03005, 2011,
doi: 10.1051/epjconf/20111703005
- [20] Reaction Dynamics, Nuclear Structure Via Deep Inelastic Collisions With Heavy-Ions: Search For Particle-Vibration Couplings in ^{49}Ca
D.Montanari, S.Leoni, G.Benzoni, N.Blasi, G.Bocchi, A.Bracco, S.Brambilla, F.Camera, A.Corsi, F.C.L.Crespi, B.Million, R.Nicolini, O.Wieland, L.Corradi, G.de Angelis, F.Della, V.E.Fioretto, A.Gadea, B.Guiot, D.R.Napoli, R.Orlandi, F.Recchia, R.Silvestri, A.M.Stefanini, R.P.Singh, S.Szilner, J.J.Valiente-Dobon, D.Bazzacco, E.Farnea, S.M.Lenzi, S.Lunardi, P.Mason, D.Mengoni, G.Montagnoli, F.Scarlassara, C.Ur, G.Lo Bianco, A.Zucchiatti, M.Kmiecik, A.Maj, W.Meczynski, G.Pollarolo, Proc.Frontiers in Nuclear Structure, Astrophysics,, Reactions, Rhodes, Greece, 23-27 August 2010,
P.Demetriou, R.Julin, S.Harissopulos, Eds.
AIP Conf. Proc. 1377, p.402, 2011
doi: 10.1063/1.3628426

- [21] Neutron-Rich 62, 64, 64Fe Show Enhanced Collectivity: The Washout of $N = 40$ in Terms of Experiment, Valence Proton Symmetry, Shell Model
W.Rother, A.Dewald, H.Iwasaki, S.M.Lenzi, K.Starosta, D.Bazin, T.Baughner, B.A.Brown, H.L.Crawford, C.Fransen, A.Gade, T.N.Ginter, T.Glasmacher, G.F.Grinyer, M.Hackstein, G.Ilie, J.Jolie, S.McDaniel, D.Miller, P.Petkov, Th.Pissulla, A.Ratkiewicz, C.A.Ur, P.Voss, K.A.Walsh, D.Weisshaar, K.-O.Zell,
Proc.Frontiers in Nuclear Structure, Astrophysics,, Reactions, Rhodes, Greece, 23-27 August 2010,
P.Demetriou, R.Julin, S.Harissopoulos, Eds.
AIP Conf. Proc. 1377, p.104, 2011
doi: 10.1063/1.3628364
- [22] Quasi-elastic reactions: an interplay of reaction dynamics, nuclear structure
S.Szilner, L.Corradi, G.Pollarolo, S.Beghini, S.Courtin, E.Farnea, E.Fioretto, A.Gadea, F.Haas, D.Jelavic-Malenica, D.Lebhertz, S.Lunardi, D.Mengoni, T.Mijatovic, G.Montagnoli, F.Scarlassara, N.Soic, A.M.Stefanini, C.A.Ur, J.J.Valiente-Dobon
Proc. International Symposium on Quasifission in Heavy Ion Reactions, Messina, Italy, November 8-9, 2010
G.Giardina, A.K.Nasirov, S.Pirrone, Eds.
Journal of Physics Conf. Series 282, p.012021, 2011
doi: 10.1088/1742-6596/282/1/012021
- [23] Population, gamma-decay studies of neutron-rich nuclei around 48Ca with deep inelastic collisions
D.Montanari, S.Leoni, G.Benzoni, N.Biasi, A.Bracco, S.Brambilla, F.Camera, A.Corsi, F.C.L.Crespi, B.Million, R.Nicolini, O.Wieland, L.Corradi, G.de Angelis, F.Della Vedova, E.Fioretto, A.Gadea, B.Guiot, D.R.Napoli, R.Orlandi, F.Recchia, R.Silvestri, A.M.Stefanini, R.P.Singh, S.Szilner, J.J.Valiente-Dobon, D.Bazzacco, E.Farnea, S.M.Lenzi, S.Lunardi, P.Mason, D.Mengoni, G.Montagnoli, F.Scarlassara, C.Ur, G.Lo Bianco, A.Zucchiatti, M.Kmiecik, A.Maj, W.Meczynski, G.Pollarolo
Proc.of the 12th Internat. Conf. on Nuclear Reaction Mechanisms, Varenna, Italy, June 15-19, 2009
F.Cerutti, A.Ferrari Eds.
Vol.1, p.201, 2010
- [24] Spectroscopic studies with the PRISMA-CLARA set-up
E. Fioretto, D. Bazzacco, S. Beghini, L. Corradi, G. de Angelis, E. Farnea, A. Gadea, S. M. Lenzi, S. Lunardi, P. Mason, D. Mengoni, G. Montagnoli, D. R. Napoli, E. Sahin, F. Scarlassara, R. Silvestri, A. M. Stefanini, C. A. Ur, J. J. Valiente-Dob_n, G. Pollarolo, S. Szilner, N. Marginean
Proc. XVIII International School on Nuclear Physics, Neutron Physics, Applications, September 21-27, Varna, Bulgaria

Journal of Physics: Conference Series}, Vol. 205, p.012038, 2010
doi: 10.1088/1742-6596/205/1/012038

- [25] Quasi-elastic reactions : a survey on recent results
S.Szilner, L.Corradi, C.A.Ur, G.Pollarolo, A.M.Stefanini, S.Beghini, S.Courtin, E.Farnea, E.Fioretto, A.Gadea, F.Haas, D.Jelavic-Malenica, D.Lebhertz, S.M.Lenzi, S.Leoni, S.Lunardi, N.M.Marginean, R.Marginean, P.Mason, D.Mengoni, G.Montagnoli, D.Montanari, D.R.Napoli, F.Recchia, R.Silvestri, E.Sahin, M-D.Salsac, N.Soic, F.Scarlassara, J.J.Valiente-Dobon
Proc.Intern.Symposium Exotic Nuclei, Sochi, (Russia), 28 Sept.-2 Oct. 2009
Yu.E.Penionzhkevich, S.M.Lukyanov Eds.
AIP Conf. Proc. 1224, p.185, 2010
doi: 10.1063/1.3431414
- [26] High-spin states in the neutron-rich $A \sim 100$ region
D.A.Torres, R.Chapman, K.-M.Spohr, J.F.Smith, V.Kumar, A.Hodsdon, X.Liang, R.Orlandi, Wady, Z.Wang, M.Labiche, D.O'Donnell, J.Ollier, D.Bazzacco, S.Beghini, E.Farnea, R.Marginean, Mengoni, G.Montagnoli, F.Recchia, F.Scarlassara, C.A.Ur, S.Lunardi, T.Kroll, A.Gottardo, S.Aydin, L.Corradi, E.Fioretto, A.Gadea, G.de Angelis, N.Marginean, D.R.Napoli, R.Silvestri, M.Stefanini, S.Szilner, J.J.Valiente-Dobon, F.D.Vedova, M.Axiotis, T.Martinez, S.J.Freeman, A.G.Smith, G.Jones, N.Thompson, F.Haas, F.Tatjana
Proc. 4th. Intern. Workshop Nuclear Fission, Fission-Product Spectroscopy, Cadarache, France, 13-16 October 2009
A.Chatillon, H.Faust, G.Fioni, D.Goutte, H.Goutte Eds.
AIP Conf. Proc. 1175, p.162, 2010
doi: 10.1063/1.3258218
- [27] Lifetime measurements in light barium isotopes
C.Michelagnoli, C.A.Ur, F.Brandolini, P.G.Bizzeti, A.M. Bizzeti- Sona, A.Giannatiempo, A.Nannini, P.Sona, D.Tonev, A.Dewald, D.Bazzacco, G.De Angelis, E.Farnea, C.Fransen, A.Gadea, S.Lenzi, S.Lunardi, B.Melon, R.Menegazzo, D.Mengoni, O.Moeller, D.R.Napoli, P.Pavan, A.Perego, P.Petkov, C.M.Petrache, N.Pietralla, C.Rossi Alvarez
Proc. La Rabida International Scientific Meeting on Nuclear Physics, La Rabida, Spain, July 4-10, 2009
J.A.Caballero, C.E.Alonso, M.V.Andres, J.E.Garcia Ramos, F. Perez Bernal, Eds.
AIP Conf. Proc. 1231, p.227, 2010
doi: 10.1063/1.3428937
- [28] A Multi-Channel Digital Acquisition System for Ge Spectroscopy in the GERDA Experiment
S.Riboldi, C.A.Ur, M.Bellato, C.Cattadori, A.D'Andragora, A.Di Vacri, R.Isocrate, C.Manea, A.Pullia, C.Rossi Alvarez, C.Rusu, F.Zocca

- Proc. IEEE Nuclear Science Symposium (NSS)/Medical Imaging Conference (MIC)/17th International Workshop on Room-Temperature Semiconductor X-ray and Gamma-ray Detectors, Knoxville, TN, October 30-November 6, 2010
IEEE Nuclear Science Symposium Conference Record, p.758, 2010
- [29] A Multi-channel Digital Acquisition System for Nuclear Spectroscopy Experiments
S.Riboldi, F.Zocca, F.Camera, A.Pullia, C.Ur, R.Isocrate, D.Bazzacco
Proc. IEEE Nuclear Science Symposium Conference 2009, Orlando, FL, October 25-31, 2009
B.Yu, Ed.
IEEE Nuclear Science Symposium Conference Record, p.1854, 2009
doi: 10.1109/NSSMIC.2009.5402187
- [30] The magnetic spectrometer PRISMA combined with large gamma arrays
E.Fioretto, S.Beghini, L.Corradi, G.Montagnoli, F.Scarlassara, A.M.Stefanini, D.Bazzacco, G.de Angelis, E.Farnea, A.Gadea, B.Guiot, S.M.Lenzi, S.Lunardi, N.Marginean, P.Mason, R.Menegazzo, D.Mengoni, D.R.Napoli, G.Pollarolo, F.Recchia, E.Sahin, R.Silvestri, S.Szilner, C.A.Ur, J.J.Valiente-Dobon
Proc. International Conference on New Aspects of Heavy Ion Collisions Near the Coulomb Barrier, Chicago, IL, September 22-26, 2008
K.E.Rehm, B.B.Back, H.Esbensen, C.J.Lister, Eds.
AIP Conf. Proc. 1098, p.102, 2009
- [31] Molecular resonances, the Jacobi shape transition in ^{48}Cr
M.-D. Salsac, F. Haas, S. Courtin, A. Algora, C. Beck, S. Beghini, Br Behera, R. Chapman, L. Corradi, Z. Dombradi, E. Farnea, E. Fioretto, A. Gadea, D. G. Jenkins, A. Latina, D. Lehbertz, S. Lenzi, X. Liang, N. Marginean, G. Montagnoli, D. Napoli, P. Papka, I. Pokrovski, G. Pollarolo, M. Rousseau, E. Sahin, A. Sanchez, I. Zafra, F. Scarlassara, D. Sohler, A. M. Stefanini, S. Szilner, M. Trotta, C. Ur, F. D. Vedova, Z. M. Wang, K. T. Wiedemann
Proc. 9th International Conference on Clustering Aspects of Nuclear Structure and Dynamics (CLUSTER'07), September 3-7, 2007, Stratford upon Avon, UK
Journal of Physics: Conference Series}, Vol.111, p.012053, 2008
doi: 10.1088/1742-6596/111/1/012053
- [32] Transition probabilities in the X(5) candidate ^{122}Ba
P.G.Bizzeti, A.M.Bizzeti-Sona, D.Tonev, C.A.Ur, A.Dewald, A.Giannatiempo, B.Melon, D.Bazzacco, A.Costin, G.de Angelis, F.Della Vedova, M.Fantuzzi, E.Farnea, C.Fransen, A.Gadea, S.M.Lenzi, S.Lunardi, N.Marginean, R.Marginean, R.Menegazzo, D.Mengoni, O.Moller, A.Nannini, D.R.Napoli, M.Nespolo, Q.Pan, A.Perego, P.Petkov, C.M.Petrache, N.Pietralla, C.Rossi Alvarez
Proc. 13th Intern. Symposium on Capture Gamma-Ray Spectroscopy, Related Topics, Cologne, Germany, 25-29 Aug.2008

- J.Jolie, A.Zilges, N.Warr, A.Blazhev Eds.
AIP Conf. Proc. 1090, p.352, 2009
doi: 10.1063/1.3087044
- [33] Population Of Neutron Rich Nuclei Around 48Ca With Deep Inelastic Collisions
D.Montanari, S.Leoni, G.Benzoni, N.Biasi, A.Bracco, S.Brambilla, F.Camera, A.Corsi,
F.C.L.Crespi, B.Million, R.Nicolini, O.Wieland, L.Corradi, G.de Angelis, F.Della Vedova,
E.Fioretto, A.Gadea, B.Guiot, D.R.Napoli, R.Orlandi, F.Recchia, R.Silvestri, A.M.Stefanini,
R.P.Singh, S.Szilner, J.J.Valiente-Dobon, D.Bazzacco, E.Farnea, S.M.Lenzi, S.Lunardi,
P.Mason, D.Mengon, G.Montagnoli, F.Scarlassara, C.Ur, G.Lo Bianco, A.Zucchiatti,
M.Kmiecik, A.Maj, W.Meczynski, G.Pollarolo
Proc.Intern.Conf.on Nuclear Structure, Dynamics, 09, Dubrovnik, Croatia, 4-8 May, 2009
M.Milin, T.Niksic, S.Szilner, D.Vretenar Eds.
AIP Conf. Proc. 1165, p.386, 2009
doi: 10.1063/1.3232132
- [34] Characterization of Broad Energy Germanium Detector (BEGe) as a candidate for the
GERDA Experiment
A.di Vacri, M.Agostini, E.Bellotti, C.M.Cattadori, A.D'Andragora, A.Garfagnini,
M.Laubenstein, L.Pandola, C.A.Ur
Proc. IEEE Nuclear Science Symposium Conference 2009, Orlando, FL October 25-31,
2009
B.Yu, Ed.
IEEE Nuclear Science Symposium Conference Record, Vol. 1-5, p.1761, 2009
doi: 10.1109/NSSMIC.2009.5402217
- [35] 67As-67Se mirror pair spectroscopy
K.T.Wiedemann, N.H.Medina, G.de Angelis, R.Orlandi, A.Bracco, M.Carpenter, C.J.Chicara,
F.Della Vedova, E.Farnea, A.Gadea, J.Greene, S.M.Lenzi, S.Leoni, C.J.Lister, S.Lunardi,
N.Marginean, D.R.Napoli, B.S.Nara Singh, O.L.Pechenaya, W.Reviol, E.Sahin,
D.G.Sarantites, D.Seweryniak, D.Tonev, C.A.Ur, J.J.Valiente-Dobon, R.Wadsworth, S.Zhu
Proc. 2008 XXXI Workshop on Nuclear Physics, Sao Sebastiao, Sao Paulo, Brazil, Sept.8-
12, 2008
V.Guimaraes, J.R.B.Oliveira, K.C.D.Macario, F.A.Genezini Eds.
AIP Conf. Proc. 1139, p.115, 2009
doi: 10.1063/1.3157789
- [36] Shell model states in neutron-rich Ca, Ar nuclei
B.Fornal, R.Broda, W.Krolas, T.Pawlat, J.Wrzesinski, R.V.F.Janssens, M.P.Carpenter,
T.Lauritsen, D.Seweryniak, S.Zhu, N.Marginean, L.Corradi, G.De Angelis, F.Della Vedova,
E.Fioretto, A.Gadea, B.Guiot, D.R.Napoli, A.M.Stefanini, J.J.Valiente-Dobon, S.Lunardi,
S.Beghini, E.Farnea, P.Mason, G.Montagnoli, F.Scarlassara, C.A.Ur, M.Honma,
P.F.Mantica, T.Otsuka, G.Pollarolo, S.Szilner, M.Trotta

- Proc. of the 9th Internat. Spring Seminar on Nuclear Physics: Changing Facets of Nuclear Structure, Vico Equense, Italy, May 20-24 2007
A.Covello, Ed.
World Scientific, Singapore, p.283, 2008
- [37] Lifetime measurements in ^{67}Se , ^{67}As mirror pair: A test of isospin symmetry breaking
R.Orlandi, G.De Angelis, F.Della Vedova, A.Gadea, N.Marginean, D.R.Napoli, F.Recchia, J.J.Valiente-Dobon, F.Brandolini, E.Farnea, S.Lenzi, S.Lunardi, D.Mengoni, C.A.Ur, K.T.Wiedemann, E.Sahin, A.Bracco, S.Leoni, D.Tonev, R.Wadsworth, B.S.Nara Singh, D.G.Sarantites, W.Reviol, C.J.Chicara, O.L.Pechenaya, C.J.Lister, M.Carpenter, J.Greene, D.Seweryniak, S.Zhu
Proc. of the 9th Internat. Spring Seminar on Nuclear Physics: Changing Facets of Nuclear Structure, Vico Equense, Italy, May 20-24 2007
A.Covello, Ed.
World Scientific, Singapore, p.307, 2008
- [38] Rearrangement of Proton Single Particle Orbitals in Neutron-Rich Potassium Isotopes - Spectroscopy of ^{48}K
W.Krolas, R.Broda, B.Fornal, T.Pawlat, J.Wrzesinski, R.V.F.Janssens, M.P.Carpenter, T.Lauritsen, D.Seweryniak, S.Zhu, A.Gadea, N.Marginean, L.Corradi, A.M.Stefanini, G.De Angelis, F.Della Vedova, E.Farnea, E.Fioretto, B.Guiot, D.R.Napoli, R.Orlandi, I.Pokrovskiy, E.Sahin, J.J.Valiente-Dobon, S.Beghini, S.Lunardi, G.Montagnoli, F.Scarlassara, P.Mason, C.A.Ur, M.Trotta, S.Szilner
Proc. 4th. Intern. Conf. Fission, Properties of Neutron-Rich Nuclei, Sanibel Island, Florida (2007);
J.H.Hamilton, A.V.Ramayya, H.K.Carter, Eds.
- [39] Nuclear Structure far from stability at the $N = 50$ Shell Closure
E.Sahin, G.de Angelis, A.Gadea, G.Duchene, T.Faul, D.R.Napoli, E.Farnea, J.J.Valiente-Dobon, R.Orlandi, D.Mengoni, F.Della Vedova, R.P.Singh, C.Ur, F.Recchia, M.N.Erduran, M.Bostan, S.Erturk, S.Aydin, K.T.Wiedemann, A.M.Stefanini, S.Lenzi, S.Lunardi, N.Marginean, L.Corradi, E.Fioretto, G.Montagnoli, F.Scarlassara, P.Mason, S.Szilner, D.Ackermann, G.Pollarolo, J.R.B.Oliveira, T.Byrski, D.Curien, B.Gall, F.Haas, O.Dorwaux, J.Robin, M.Nespolo, F.Azaiez, G.De France, A.Algora, X.Liang, F.Nowacki, Y.H.Zhang, X.H.Zhou
Proc. Frontiers in Nuclear Structure, Reactions (FINUSTAR 2), Crete, Greece, 10-14 Sept. 2007
P.Demetriou, R.Julin, S.V.Harissopoulos, Eds.
AIP Conf.Proc 1012, p.139, 2008
doi: 10.1063/1.2939282
- [40] Lifetime measurements using the CLARA-PRISMA setup around the ^{48}Ca doubly-magic nucleus

- J.J.Valiente-Dobon, D.Mengoni, A.Gadea, E.Farnea, S.M.Lenzi, S.Lunardi, A.Dewald, T.Pissulla, S.Szilner, A.M.Stefanini, R.Broda, L.Angus, D.Bazzacco, G.Benzoni, P.G.Bizzeti, A.M.Bizzeti-Sona, P.Boutachkov, L.Corradi, F.Crespi, G.de Angelis, E.Fioretto, A.Gorgen, M.Gorska, A.Gottardo, E.Grodner, A.Howard, W.Krolas, S.Leoni, P.Mason, D.Montanari, G.Montagnoli, D.R.Napoli, A.Obertelli, T.Pawlat, F.Recchia, A.Algora, B.Rubio, E.Sahin, F.Scarlassara, J.F.Smith, D.Steppenbeck, C.A.Ur, P.T.Wady, J.Wrzesinski
Proc. Nuclear Physics, Astrophysics: From Stable Beams to Exotic Nuclei, Cappadocia, Turkey, June 25-30, 2008
I.Boztosun, A.B.Balantekin, Eds.
AIP Conf.Proc 1072, p.197, 2008
doi: 10.1063/1.3039828
- [41] Aspects of Low Energy Binary Reactions
L.Corradi, A.M.Stefanini, E.Fioretto, A.Gadea, N.Marginean, G.De Angelis, D.R.Napoli, I.V.Pokrovskiy, F.Della Vedova, J.J.Valiente-Dobon, S.Beghini, G.Montagnoli, F.Scarlassara, P.Mason, E.Farnea, C.A.Ur, G.Pollarolo, S.Szilner, M.Trotta, F.Haas, B.Behera
Proc. Intern. Symposium on Exotic Nuclei, Khanty-Mansiysk, Russia, 17-22 July, 2006
Yu.E.Penionzhkevich, E.A.Cherepanov, Eds.
AIP Conf.Proc 912, p.13, 2007
doi: 10.1063/1.2746576
- [42] The PRISMA-CLARA setup: experimental results and future plans
E.Fioretto, L.Corradi, G.De Angelis, F.Della Vedova, A.Gadea, N.Marginean, B.Guiot, D.R.Napoli, I.V.Pokrovskiy, A.M.Stefanini, R.Orlandi, E.Sahin, J.J.Valiente-Dobon, D.Bazzacco, S.Beghini, E.Farnea, S.M.Lenzi, S.Lunardi, P.Mason, G.Montagnoli, F.Scarlassara, C.A.Ur, M.Trotta, M.La Commara, M.Romoli, S.Szilner, G.Pollarolo
Proc. Intern. Symposium on Exotic Nuclei, Khanty-Mansiysk, Russia, 17-22 July, 2006
Yu.E.Penionzhkevich, E.A.Cherepanov, Eds.
AIP Conf.Proc 912, p.412, 2007
doi:
- [43] Coulomb energy differences in isobaric multiplets
S.M.Lenzi, F.Della Vedova, M.Ionescu-Bujor, N.Marginean, D.R.Napoli, E.Farnea, G.de Angelis, M.Axiotis, D.Bazzacco, A.M.Bizzeti-Sona, P.G.Bizzeti, F.Brandolini, D.Bucurescu, A.Gadea, A.Iordachescu, S.Lunardi, P.Mason, R.Menegazzo, B.Million, M.Nespolo, C.A.Ur
Proc. VI Latin American Symp, on Nuclear Physics, Applications, Iguazu, Argentina, 3-7 Oct. 2005
O.Civitarese, C.Dorso, G.Garcia Bermudez, A.J.Kreiner, A.J.Pacheco, N.N.Scoccola, Eds.
AIP Conf.Proc 884, p.135, 2007
doi: 10.1063/1.2710569

- [44] Spectroscopy of Moderately Neutron-rich Nuclei with the CLARA-PRISMA Setup
A.Gadea, N.Marginean, E.Farnea, S.M.Lenzi, G.de Angelis, D.R.Napoli, L.Corradi,
A.M.Stefanini, E.Fioretto, S.Szilner, M.Axiotis, B.R.Behera, A.Latina, C.Rusu, W.Zhimin,
J.Valiente-Dobon, I.Pokrovsky, D.Bazzacco, S.Beghini, C.Ur, S.Lunardi, G.Montagnoli,
R.Menegazzo, F.Scarlassara, F.Della Vedova, A.Bracco, F.Camera, S.Leoni, B.Million,
M.Pignanelli, G.Pollarolo, M.Trotta, P.G.Bizzeti, A.M.Bizzeti-Sona, G.Duchene, D.Curien,
R.Chapman, X.Liang, F.Azaiez, M.Stanoiou, S.J.Freeman, B.J.Varley, V.Pucknell
Proc. Frontiers in Nuclear Structure, Astrophysics,, Reactions, Isle of Kos, Greece, 12-17
Sept. 2005
S.V Harissopulos, P.Demetriou, R.Julin, Eds.
AIP Conf.Proc 831, p.85, 2006
doi: 10.1063/1.2200905
- [45] Shape Coexistence in Pb Nuclei Probed by Static Electromagnetic Moments
M.Ionescu-Bujor, A.Iordachescu, N.Marginean, C.A.Ur, D.Bucurescu, G.Suliman, C.Rusu,
D.L.Balabanski, D.Bazzacco, F.Brandolini, S.Chmel, M.De Poli, H.Hubel, N.H.Medina,
G.Neyens, P.Pavan, R.V.Ribas, C.Rossi Alvarez
Proc. Frontiers in Nuclear Structure, Astrophysics,, Reactions, Isle of Kos, Greece, 12-17
Sept. 2005,
S.V Harissopulos, P.Demetriou, R.Julin, Eds.
AIP Conf.Proc 831, p.278, 2006
doi: 10.1063/1.2200939
- [46] Test of the critical point symmetry X(5) in neutron deficient osmium isotopes at A
approximate to 180
A.Dewald, O.Moeller, B.Melon, T.Pissulla, B.Saha, S.Heinze, J.Jolie, K.O.Zell, P.Petkov,
D.Bazzacco, S.Lunardi, C.A.Ur, E.Farnea, R.Menegazzo, G.DeAngelis, D.Tonev,
D.R.Napoli, N.Marginean, T.Martinez, M.Axiotis, C.Rusu, A.Gadea, Y.H.Zhang,
S.Harissopulos
Proc. Int. Conf. on Frontiers in Nuclear Structure, Astrophysics,, Reactions, Isle of Kos,
Greece, 12-17 Sept. 2005,
S.V Harissopulos, P.Demetriou, R.Julin, Eds.
AIP Conf.Proc 831, p.195, 2006
- [47] Plunger Lifetime Measurements in 102Pd
G.Kalyva, A.Spyrou, M.Axiotis, S.Harissopulos, A.Dewald, A.Fitzler, B.Saha,
A.Liennemann, R.Vlastou, D.R.Napoli, N.Marginean, C.Rusu, G.de Angelis, C.Ur,
D.Bazzacco, E.Farnea, D.L.Balabanski, R.Julin
Proc. Int. Conf. on Frontiers in Nuclear Structure, Astrophysics,, Reactions, Isle of Kos,
Greece, 12-17 Sept. 2005,
S.V Harissopulos, P.Demetriou, R.Julin, Eds.
AIP Conf.Proc 831, p.472, 2006

doi: 10.1063/1.2200986

- [48] Multinucleon transfer reactions studied with magnetic spectrometers
S.Szilner, L.Corradi, G.Pollarolo, S.Beghini, E.Farnea, E.Fioretto, A.Gadea, F.Haas,
A.Latina, S.M.Lenzi, N.Marginean, R.Marginean, G.Montagnoli, D.R.Napoli,
I.V.Pokrovsky, F.Recchia, M.Romoli, M.D.Salsac, F.Scarlassara, N.Soic, A.M.Stefanini,
M.Trotta, C.A.Ur, Q.Zhong
Proc. Frontiers in Nuclear Structure, Astrophysics,, Reactions, Isle of Kos, Greece, 12-17
Sept. 2005,
S.V Harissopulos, P.Demetriou, R.Julin, Eds.
AIP Conf.Proc 831, p.167, 2006
doi: 10.1063/1.2200919
- [49] Nuclear Structure and Reaction Mechanism Studies with Multinucleon Reactions
P.H.Regan, G.A.Jones, Zs.Podolyak, G.de Angelis, Y.H.Zhang, A.Gadea, C.A.Ur,
M.Abdullah, M.Axiotis, D.Bazzacco, R.Broda, D.Bucurescu, E.Farnea, W.Gelletly,
M.Ionescu-Bujor, A.Iordachescu, Th.Kroll, S.D.Langdown, S.Lenzi, S.Lunardi,
N.Marginean, T.Martinez, N.Medina, R.Menegazzo, D.R.Napoli, B.Quintana, B.Rubio,
C.Rusu, R.Schwengner, D.Tonev, J.J.Valiente-Dobon, W.von Oertzen, G.Wollel
Proc. Fusion06: Reaction Mechanisms, Nuclear Structure at the Coulomb Barrier, San
Servolo, Venice, Italy, 19-23 March 2006,
L.Corradi, et al. Eds.
AIP Conf.Proc 853, p.271, 2006
doi: 10.1063/1.2338389
- [50] Nuclear spectroscopy study of the isotopes populated via multinucleon transfer in the $90\text{Zr} + 208\text{Pb}$ reaction
C.A.Ur, L.Corradi, A.M.Stefanini, S.Szilner, S.Beghini, B.R.Behera, E.Farnea, E.Fioretto,
A.Gadea, F.Haas, A.Latina, N.Marginean, G.Montagnoli, F.Scarlassara, G.Pollarolo
Proc. Fusion06: Reaction Mechanisms, Nuclear Structure at the Coulomb Barrier, San
Servolo, Venice, Italy, 19-23 March 2006,
L.Corradi, et al. Eds.
AIP Conf.Proc 853, p.43, 2006
doi: 10.1063/1.2338353
- [51] The new heavy-ion MCP-based ancillary detector DANTE for the CLARA-PRISMA setup
J.J.Valiente-Dobon, A.Gadea, S.Brambilla, N.A.Kondratiev, S.Beghini, L.Corradi, G. de
Angelis, F. Della Vedova, E.Farnea, E.Fioretto, E.M.Kozulin, S.Lunardi, N.Marginean,
G.Montagnoli, D.R.Napoli, R.Orlandi, I.Pokrovsky, E.Sahin, A.M.Stefanini, S.Szilner,
M.Trotta, C.A.Ur
Proc. Fusion06: Reaction Mechanisms, Nuclear Structure at the Coulomb Barrier, San
Servolo, Venice, Italy, 19-23 March 2006,
L.Corradi, et al. Eds.

AIP Conf.Proc 853, p.202, 2006

- [52] Multinucleon Transfer Reactions to Study Single-Particle Evolution in Se Isotopes
P.H.Regan, G.A.Jones, Zs.Podolyak, N.Yoshinaga, K.Higashiyama, G.de Angelis,
Y.H.Zhang, A.Gadea, C.A.Ur, M.Axiotis, D.Bazzacco, R.Broda, D.Bucurescu, E.Farnea,
W.Gelletly, M.Ionescu-Bujor, A.Iordachescu, Th.Kroll, S.D.Langdown, S.Lenzi, S.Lunardi,
N.Marginean, T.Martinez, N.Medina, R.Menegazzo, D.R.Napoli, B.Quintana, B.Rubio,
C.Rusu, R.Schwengner, D.Tonev, J.J.Valiente Dobon, W.von Oertzen
Proc. 12th Intern. Symposium on Capture Gamma-Ray Spectroscopy, Related Topics, Notre
Dame, Indiana, 4-9 September 2005,
A.Woehr, A.Aprahamian, Eds.
AIP Conf.Proc 819, p.464, 2005
doi: 10.1063/1.2187901
- [53] Isospin Symmetry Along The $N=Z$ Line In The sd Shell
F.Della Vedova, S.M.Lenzi, M.Ionescu-Bujor, N.Marginean, E.Farnea, M.Nespolo, G.de
Angelis, M.Axiotis, D.Bazzacco, A.Bizzeti-Sona, P.G.Bizzeti, F.Brandolini, D.Bucurescu,
A.Iordachescu, S.Lunardi, R.Menegazzo, D.R.Napoli, C.Rossi Alvarez, C.A.Ur
Proc. of Conference on Nuclei at the Limits, Argonne, Illinois, July 26-30, 2004
D.Seweryniak, T.L.Khoo, Eds.
AIP Conf.Proc 764, p.205, 2005
doi: 10.1063/1.1905312
- [54] Transition Probabilities, Chiral Symmetry In 134Pr
D.Tonev, G.de Angelis, P.Petkov, A.Dewald, A.Gadea, P.Pejovic, D.Balabanski,
P.Bednarczyk, F.Camera, A.Fitzler, M.Axiotis, D.Bazzacco, E.Farnea, S.Lenzi, S.Lunardi,
N.Marginean, T.Martinez, R.Menegazzo, O.Moller, D.R.Napoli, A.Paleni, C.Petrache,
G.Prete, B.R.Behera, C.Rusu, C.Ur, K.O.Zell, Y.H.Zhang
Proc. of Conference on Nuclei at the Limits, Argonne, Illinois, July 26-30, 2004
D.Seweryniak, T.L.Khoo, Eds.
AIP Conf.Proc 764, p.93, 2005
doi: 10.1063/1.1905296
- [55] Shape coexistence in light krypton isotopes
A.Georgen, E.Clement, E.Bouchez, A.Chatillon, W.Korten, Y.Le Coz, C.Theisen,
J.N.Wilson, C.Andreoiu, F.Becker, J.M.Casandjian, A.Dewald, G.de France, J.Gerl,
J.Iwanicki, N.Marginean, B.Melon, R.Menegazzo, O.Moller, G.Sletten, C.Timis, D.Tonev,
C.A.Ur, K.O.Zell, M.Zielinska
Proc. International Symposium on Exotic Nuclear Systems, Debrecen, Hungary, June 20-25,
2005
Zs.Gacsi, Zs.Dombradi, A.Krasznahorkay, Eds.
AIP Conf.Proc 802, p.275, 2005
doi:

- [56] Description and first results of the CLARA-PRISMA setup
A.Gadea, N.Marginean, G.De Angelis, D.R.Napoli, L.Corradi, E.Fioretto, A.M.Stefanini, J.J.Valiente-Dobon, S.Szilner, L.Berti, P.Cocconi, D.Rosso, N.Toniolo, M.Axiotis, B.R.Behera, A.Latina, I.V.Pokrovskiy, C.Rusu, W.Zhimin, E.Farnea, S.M.Lenzi, C.A.Ur, R.Isocrate, D.Bazzacco, S.Beghini, S.Lunardi, G.Montagnoli, R.Menegazzo, F.Scarlassara, F.Della Vedova, M.Nespolo, R.Marginean, A.Bracco, F.Camera, S.Leoni, B.Million, M.Pignanelli, G.Benzoni, O.Weiland, P.G.Bizzeti, A.M.Bizzeti-Sona, G.Pollarolo, M.Trotta
Proc. 5th Italy/Japan Symposium on Recent Achievements and Perspectives in Nuclear Physics, Naples, Italy, November 03-07, 2004
G.La Rana, C.Signorini, S.Shimoura, Eds.
Recent Achievements and Perspectives in Nuclear Physics, p.89-99, 2005
doi: 10.1142/9789812701565_0010
- [57] Lifetimes in the $\nu(i_{13/2})^{-1} \otimes \pi(i_{13/2}h_{9/2})$ M1 Band in ^{193}Pb
K.A.Gladnishki, D.L.Balabanski, P.Petkov, A.Dewald, D.Tonev, M.Axiotis, A.Fitzler, M.Danchev, S.Harissopulos, S.Lalkovski, N.Marginean, T.Martinez, O.Moeller, G.Neyens, A.Spurou, E.Stefanova, **C.Ur**
Proc. of the 4th International Balkan School on Nuclear Physics, Bodrum, Turkey, September 22-29, 2004
D.Balabanski, B.Akkus, M.Yilmaz, L.Amon, Eds.
Balk. Phys. Lett. Special Issue, p.239, 2004
- [58] Yrast Structure of the Neutron-Rich $N = 31, 32$ Titanium Nuclei – Subshell Closure at $N = 32$
B.Fornal, R.Broda, W.Krolas, T.Pawlat, J.Wrzesinski, R.V.F.Janssens, M.P.Carpenter, F.G.Kondev, T.Lauritsen, D.Seweryniak, I.Wiedenhover, M.Honma, B.A.Brown, P.F.Mantica, P.J.Daly, Z.W.Grabowski, S.Lunardi, N.Marginean, **C.Ur**, T.Misuzaki, T.Otsuka
Proc. of the 8th International Spring Seminar on Nuclear Physics ‘Key Topics in Nuclear Structure’, Paestum, Italy, May 23-27, 2004
A.Covello, Ed.
Key Topics in Nuclear Structure Pages: 247-256 DOI:
10.1142/9789812702265_0026 Published: 2005
- [59] Search for seniority isomers: Lifetime measurements in Tc-93 and Ru-95
K.P.Lieb, E.Galindo, M.Hausmann, A.Jungclaus, I.P.Johnstone, R.Schwengner, A.Dewald, A.Fitzler, O.Moller, G.De Angelis, A.Gadea, T.Martinez, D.R.Napoli, C.Ur,
Proc. Seminar on Symmetries in Nuclear Structure, Erice, Italy, March 23-30, 2003
A.Vitturi, R.F.Casten, Eds.
SCIENCE AND CULTURE SERIES: PHYSICS, Vol.24, p.319, 2004
doi: 10.1142/9789812702760_0038

- [60] Rotational bands in neutron-rich Ho160-162
D.Escrig, A.Jungclaus, B.Binder, A.Dietrich, T.Hartlein, H.Bauer, C.Gund, D.Pansegrau,
D.Schwalm, D.Bazzacco, G.de Angelis, E.Farnea, A.Gadea, S.Lunardi, D.R.Napoli, C.Rossi
Alvarez, C.Ur
A.Bracco, C.A.Kalfas, Eds.
Proc. International Conference on the Labyrinth in Nuclear Structure, Iraklion, Greece, July
13-19, 2003
AIP Conf. Proc. 701, p.39, 2004
- [61] Nuclear clusters and structure in light nuclei
T.Kokalova, W.von Oertzen, S.Thummerer, H.G.Bohlen, M.Milin, A.Tumino, G.de Angelis,
E.Farnea, M.Axiotis, N.Marginean, D.R.Napoli, S.M.Lenzi, C.Ur, M.Rousseau, P.Papka
A.Bracco, C.A.Kalfas, Eds.
Proc. International Conference on the Labyrinth in Nuclear Structure, Iraklion, Greece, July
13-19, 2003
AIP Conf. Proc. 701, p.316, 2004
- [62] Gamma-ray tracking with the MARS detector
T.Kroll, D.Bazzacco, R.Venturelli, B.Quintana, C.A.Ur, M.Bellato, R.Isocrate, C.Manea,
R.Menegazzo, P.Pavan, C.Rossi Alvarez, E.Farnea, A.Gadea, D.Rosso, P.Spolaore,
F.Camera, B.Million, E.Musso, A.Pullia, O.Wieland, G.Casati, A.Geraci, G.Ripamonti,
M.Descovich
P.Fallon, R.Clark, Eds.
Proc. Conference on Frontiers of Nuclear Structure, Berkeley, CA, July 29-August 2, 2002
AIP Conf. Proc. 656, p.357, 2003
- [63] High spin studies of neutron-rich Er-166
M.Burns, R.Chapman, M.Labiche, X.Liang, J.Ollier, K.M.Spohr, M.Axiotis, E.Farnea,
T.Martinez, T.Kroll, D.R.Napoli, C.A.Ur
J.H.Hamilton, A.V.Ramayya, H.K.Carter, Eds.
Proc. Conference on the 3rd International Conference Fission and Properties of Neutron-
Rich Nuclei, Sunibel Island, FL, November 3-9, 2002
- [64] Coulomb Energy Differences in Analog Rotational Bands of $f7/2$ -Shell Nuclei
F.Brandolini, S.M.Lenzi, N.Medina, R.V.Ribas, J.Sanchez-Solano, C.A.Ur, A.Poves,
D.Bazzacco, G.De Angelis, M.De Pol, E.Farnea, A.Gadea, S.Lunardi, N.Marginean,
T.Martinez, R.Menegazzo, D.R.Napoli, P.Pavan, C.Rossi-Alvarez,
Proc. 7th International Spring Seminar on Nuclear Physics, Maiori, Italy, May 27-31, 2001
A.Covello, Ed.
Challenges of Nuclear Structure, World Scientific, p.411, 2002
doi: 10.1142/9789812778383_0041
- [65] Rotational bands and shell model in the $1f(7/2)$

- S.M.Lenzi, N.Marginean, D.R.Napoli, C.A.Ur, A.P.Zuker, M.Axiotis, F.Brandolini, G.de Angelis, E.Farnea, A.Gadea, G.Martinez-Pinedo, A.Poves, J.Sanchez-Solano
Proc. International Nuclear Physics Conference, Berkeley, CA, 30 July - 3 August 2001
E.Norman, L.Schroeder, G.Wozniak, Eds.
AIP Conf. Proc. 610, p.839, 2002
- [66] Structure of high-spin states in 90Sr , 92Sr
E.A.Stefanova, R.Schwengner, M.Danchev, G.Rainovski, D.L.Balabanski, M.Axiotis, G.de Angelis, M.Djongolov, F.Donau, A.Gadea, E.Galindo, D.J.Hartley, A.Jungclaus, Th.Kroll, T.Kutsarova, K.P.Lieb, N.Marginean, T.Martinez, W.F.Mueller, W.Reviol, L.L.Riedinger, K.D.Schilling, J.Eberth, O.Thelen, C.A.Ur, A.Wagner, O.Zeidan
Int. Symp. On Nuclear Structure Physics: Celebrating the career of Peter von Brentano, Goettingen, Germany, 2001
R.Casten, J.Jolie, U.Kneissl, P.Lieb, Eds.
World Scientific, ISBN: 981-02-4654-4, p. 73, 2001
- [67] Competition between octupole and shell model states near the doubly closed Gd-146
Z.Podolyak, P.G.Bizzeti, A.M.Bizzeti-Sona, A.Gadea, S.Lunardi, D.Bazzacco, A.Dewald, A.Algora, G.de Angelis, M.De Poli, E.Farnea, D.R.Kasemann, T.Klug, T.Kroll, S.Lenzi, T.Martinez, D.R.Napoli, C.M.Petrache, R.Peusquens, C.Rossi Alvarez, C.A.Ur, P.Kleinheinz, J.Blomqvist
Proc. Int. Symp. On Nuclear Structure Physics: Celebrating the career of Peter von Brentano, Goettingen, Germany, 2001
R.Casten, J.Jolie, U.Kneissl, P.Lieb, Eds.
World Scientific, ISBN: 981-02-4654-4, p. 391, 2001
- [68] Spherical, Deformed States in $N \sim Z$ $1f_{7/2}$ Nuclei
F.Brandolini, S.M.Lenzi, C.A.Ur, D.Bazzacco, R.Menegazzo, P.Pavan, C.Rossi-Alvarez, N.H.Medina, R.V.Ribas, N.Marginean, D.R.Napoli, G.de Angelis, M.De Poli, T.Martinez, A.Algora-Pineda, A.Gadea, E.Farnea, D.Bucurescu, M.Ionescu-Bujor, A.Iordachescu, J.A.Cameron, S.Kasemann, I.Schneider, J.M.Espino, A.Poves, J.Sanchez Solano
Proc. Inter. Workshop PINGST 2000, Selected Topics on $N=Z$ Nuclei, Lund, Sweden, June 6-10, 2000
D.Rudolph, M.Hellstrom, Eds.,
Bloms i Lund, ISSN 0348-9329, p.70, 2000
<http://pingst2000.nuclear.lu.se/proceedings.asp>,
- [69] Gamma, Beta Decay of the $12+$ Yrast Trap in 52Fe
A.Gadea, S.M.Lenzi, D.R.Napoli, C.A.Ur, G.Martinez-Pinedo, M.Gorska, E.Caurier, M.Axiotis, G.de Angelis, F.Brandolini, D.Cano-Ott, E.Farnea, E.Nacher Gonzalez, B.Rubio, J.L.Tain, R.Borcea, J.Doring, H.Grawe, Z.Janas, R.Kirchner, M.La Commara, C.Mazzocchi, E.Roeckl, K.Schmidt, C.Fahlander, M.Hellstrom, L.Batist, A.Plochocki, J.Zylicz, C.Plettner, R.Schwengner

- Proc. Inter. Workshop PINGST 2000, Selected Topics on N=Z Nuclei, Lund, Sweden, June 6-10, 2000
D.Rudolph, M.Hellstrom, Eds.,
Bloms i Lund, ISSN 0348-9329, p.113, 2000
<http://pingst2000.nuclear.lu.se/proceedings.asp>,
- [70] Cross-Conjugate Symmetry in the $f7/2$ -Shell N = Z Nuclei
C.A.Ur, S.M.Lenzi, D.R.Napoli, D.Bazzacco, F.Brandolini, S.Lunardi, P.Pavan, C.Rossi Alvarez, D.Bucurescu, N.Marginean, G.de Angelis, A.Gadea, M.De Poli, Zs.Podolyak, H.Somacal, J.A.Cameron, C.E.Svensson, S.Hankonen, A.Poves, J.Sanchez Solano, G.Martinez-Pinedo
Proc. Inter. Workshop PINGST 2000, Selected Topics on N=Z Nuclei, Lund, Sweden, June 6-10, 2000
D.Rudolph, M.Hellstrom, Eds.,
Bloms i Lund, ISSN 0348-9329, p.252, 2000
<http://pingst2000.nuclear.lu.se/proceedings.asp>,
- [71] Collective Motions in the $1f_{7/2}$ Shell
F.Brandolini, S.M.Lenzi, **C.A.Ur**, D.Bazzacco, R.Menegazzo, P.Pavan, C. Rossi Alvarez, N.H.Medina, R.V.Ribas, N.Marginean, D.R.Napoli, G.de Angelis, M.De Poli, T.Martinez, A.Algora-Pineda, A.Gadea, E.Farnea, D.Bucurescu, M.Ionescu-Bujor, A.Iordachescu, J.A.Cameron, S.Kasemann, I.Schneider, J.M.Espino, A.Poves, J.Sanchez-Solano
Proceedings of the Conference Bologna 2000 Structure of the Nucleus at the Dawn of the Century, Bologna, Italia, May 29-June 3, 2000
G.C.Bonsignori, M.Bruno, A.Ventura, D.Vretenar, Eds.
World Scientific, Singapore, p.281, 2001
- [72] Study of the Symmetric System $^{90}\text{Zr} + ^{90}\text{Zr}$ at GASP
C.A.Ur, C.Rossi Alvarez, D.Bazzacco, T.Kroell, S.M.Lenzi, S.Lunardi, P.Pavan, P.Spolaore, A.Algora, G.de Angelis, M.De Poli, A.Gadea, N.Marginean, T.Martinez, D.R.Napoli, D.Bucurescu, M.Ionescu-Bujor, A.Iordachescu
Proceedings of the Conference Bologna 2000 Structure of the Nucleus at the Dawn of the Century, Bologna, Italia, May 29-June 3, 2000
G.C.Bonsignori, M.Bruno, A.Ventura, D.Vretenar, Eds.
World Scientific, Singapore, p.205, 2001
- [73] Gamma-Ray Spectroscopy Studies at the Nipne Tandem Accelerator
D.Bucurescu, I.Cata-Danil, G.Cata-Danil, M.Ivascu, N.Marginean, L.Stroe, C.A.Ur
Proc. Intern.Symposium Advances in Nuclear Physics, Bucharest, Romania, 9-10 December, 1999
D.Poenaru, S.Stoica, Eds.,
World Scientific, Singapore, p.344, 2000

- [74] A Candidate for a Three Octupole Phonon State in ^{148}Gd
Zs.Podolyak, P.G.Bizzeti, A.M.Bizzeti--Sona, S.Lunardi, A.Algora, D.Bazzacco, G.de Angelis, M.de Poli, A.Dewald, E.Farnea, A.Gadea, D.R.Kasemann, T.Klug, Th.Kroll, T.Martinez, D.R.Napoli, C.M.Petrache, C.Rossi Alvarez, **C.A.Ur**
Proc. of the 6th International Spring Seminar on Nuclear Physics (Highlights of Modern Nuclear Structure), S.Agata sui due Golfi, Italy, May 18-22 1998
A.Covello, Ed.
World Scientific, Singapore, p.359, 1999
- [75] Decay Out of the Highly-Deformed Bands in the $A = 130$ Mass Region, Experimental Delta for Nd Nuclei
C.M.Petrache, D.Bazzacco, G.Falconi, S.Lunardi, E.Maglione, R.Menegazzo, C.Rossi Alvarez, R.Venturelli, G.Viesti, G.de Angelis, M.De Poli, C.Fahlander, E.Farnea, A.Gadea, G.Maron, D.R.Napoli, Zs.Podolyak, S.Perries, A.Astier, L.Ducroux, M.Meyer, N.Redon, A.Bracco, S.Frattini, S.Leoni, I.Deloncle, M.G.Porquet, N.Marginean, C.A.Ur, B.Cederwall, A.Johnson, R.Wyss
Proc. Conference on Nuclear Structure 98, Gatlinburg, TN, August 10-15, 1998
C.Baktash, Ed.
AIP Conf. Proc. 481, p.368, 1999
- [76] Multiple Triaxial SD Bands in 163 , ^{164}Lu Studied with EUROBALL
S.Tormanen, G.B.Hagemann, A.Harsmann, M.Bergstrom, R.A.Bark, B.Herskind, G.Sletten, S.Odegard, P.O.Tjom, A.Gorgen, H.Hubel, J.Domscheit, B.Aengenvoort, U.J.van Severen, C.Fahlander, D.Napoli, S.Lenzi, C.M.Petrache, C.Ur, H.J.Jensen, H.Ryde, A.Bracco, S.Frattini, R.Chapman, D.M.Cullen, S.L.King
Proc. Conference on Nuclear Structure 98, Gatlinburg, TN, August 10-15, 1998
C.Baktash, Ed.
AIP Conf. Proc. 481, p.412, 1999
- [77] Variety of collective motions in the middle of the $1f(7/2)$ shell
F.Brandolini, S.M.Lenzi, N.H.Medina, D.R.Napoli, R.V.Ribas, C.A.Ur, D.Bazzacco, J.A.Cameron, G.de Angelis, M.De Poli, A.Gadea, S.Lunardi, C.R.Alvarez, H.Somacal, C.Svensson, A.Poves, J.Sanchez-Solano
Proc. Conf. on Experimental Nuclear Physics in Europe - Facing the Next Millennium (ENPE 99), Seville, Spain, June 21-26, 1999
B.Rubio, M.Lozano, W.Gelletly, Eds.
AIP Conf. Proc. 495, p.189, 1999
- [78] Shape changes induced by quasiparticle alignment
A.Algora, G.de Angelis, F.Brandolini, R.Wyss, C.Fahlander, A.Gadea, E.Farnea, W.Gelletly, A.Aprahamian, D.Bazzacco, F.Becker, P.G.Bizzeti, A.Bizzeti-Sona, D.de Acuna, M.(De Poli, J.Eberth, D.Foltescu, S.M.Lenzi, S.Lunardi, T.Martinez, D.R.Napoli,

- P.Pavan, C.M.Petrache, C.Rossi Alvarez, D.Rudolph, B.Rubio, W.Satula, S.Skoda,
P.Spolaore, H.G.Thomas, C.A.Ur
Proc. Conf. on Experimental Nuclear Physics in Europe - Facing the Next Millennium
(ENPE 99), Seville, Spain, June 21-26, 1999
B.Rubio, M.Lozano, W.Gelletly, Eds.
AIP Conf. Proc. 495, p.201, 1999
- [79] Magnetic rotation in the odd-odd nuclei ^{82}Rb , ^{84}Rb
H.Schnare, R.Schwengner, S.Frauendorf, F.Donau, L.Kaubler, H.Prade, A.Jungclaus,
K.P.Lieb, C.Lingke, S.Skoda, J.Eberth, G.de Angelis, A.Gadea, E.Farnea, D.R.Napoli,
C.A.Ur, G.Lo Bianco
Proc. Conf. on Experimental Nuclear Physics in Europe - Facing the Next Millennium
(ENPE 99), Seville, Spain, June 21-26, 1999
B.Rubio, M.Lozano, W.Gelletly, Eds.
AIP Conf. Proc. 495, p.205, 1999
- [80] Magnetic Dipole Bands in ^{82}Rb , ^{83}Rb , ^{84}Rb
R.Schwengner, H.Schnare, S.Frauendorf, F.Donau, L.Kaubler, H.Prade, E.Grosse,
A.Jungclaus, K.P.Lieb, C.Lingke, S.Skoda, J.Eberth, G.de Angelis, A.Gadea, E.Farnea,
D.R.Napoli, C.A.Ur, G.Lo Bianco
Proc. Conf on Exotic Nuclei, Atomic Masses, Bellaire, Michigan, June 23-27, 1998
AIP Conf. Proc. 455, p.594, 1998
- [81] Change of Deformation at the Backbending in the Yrast Superdeformed Band of ^{144}Gd
C.A.Ur, G.P.Bolzonella, L.H.Zhu, D.Bazzacco, S.Lunardi, N.H.Medina, C.M.Petrache,
M.N.Rao, C.Rossi Alvarez, G.de Angelis, D.De Acuna, D.R.Napoli, W.Gast, R.M.Lieder,
T.Rzaca-Urban, S.Utzermann, R.Wyss
Proc. of the Conference on Nuclear Structure at the Limits, Argonne, July 22-26, 1996, p.84
ANL/PHY-97/1
- [82] Low Energy States Fed by beta/EC Decay in Odd-A Pr, Ce, La Isotopes
J.Genevey, A.Gizon, J.Inchaouh, D.Barneoud, R.Beraud, D.Bucurescu, G.Cata-Danil,
A.Emsallem, T.von Egidy, C.Foin, J.Gizon, C.F.Liang, P.Paris, I.Penev, A.Plochocki,
E.Ruchowska, **C.Ur**, B.Weiss
Proc. of the Conference on Perspectives for the Interacting Boson Model, Padova, June 3-17,
1994
R.F.Casten, A.Vitturi, A.B.Balantekin, B.R.Barrett, J.N.Ginocchio, G.Maino,
T.Otsuka, Eds.
World Scientific, 1994, p.718
- [83] Global Systematics of Unique Parity Quasibands in Odd-A Nuclei
D.Bucurescu, G.Cata-Danil, M.Ivascu, L.Stroe, **C.A.Ur**

Proc. of the Conference on Perspectives for the Interacting Boson Model, Padova, June 3-17, 1994

R.F.Casten, A.Vitturi, A.B.Balantekin, B.R.Barrett, J.N.Ginocchio, G.Maino, T.Otsuka, Eds.

World Scientific, 1994, p.389