

## Publications list

- [1] K. Hadyńska-Klęk, P.J. Napiorkowski, M. Zielińska, J. Srebrny, A. Maj, F. Azaiez, J.J. Valiente Dóbon, M. Kicińska-Habior, F. Nowacki, H. Naïdja, B. Bounthong, T.R. Rodríguez, G. de Angelis, T. Abraham, G. Anil Kumar, D. Bazzacco, M. Bellato, D. Bortolato, P. Bednarczyk, G. Benzoni, L. Berti, B. Birkenbach, B. Bruyneel, S. Brambilla, F. Camera, J. Chavas, B. Cederwall, L. Charles, M. Ciemala, P. Cocconi, P. Coleman-Smith, A. Colombo, A. Corsi, F.C.L. Crespi, D.M. Cullen, A. Czermak, P. Désesquelles, D.T. Doherty, B. Dulny, J. Eberth, E. Farnea, B. Fornal, S. Franchoo, A. Gadea, A. Giaz, A. Gottardo, X. Grave, J. Grębosz, A. Gorgen, M. Gulmini, T. Habermann, H. Hess, R. Isocrate, J. Iwanicki, G. Jaworski, D.S. Judson, A. Jungclaus, N. Karkour, M. Kmiecik, D. Karpiński, M. Kisieliński, N. Kondratyev, A. Korichi, M. Komorowska, M. Kowalczyk, W. Kortzen, M. Krzysiek, G. Lehaut, S. Leoni, J. Ljungvall, A. Lopez-Martens, S. Lunardi, G. Maron, K. Mazurek, R. Menegazzo, D. Mengoni, E. Merchán, W. Męczyński, C. Michelagnoli, B. Million, S. Myalski, D.R. Napoli, M. Niikura, A. Obertelli, S.F. Özmen, M. Palacz, L. Próchniak, A. Pullia, B. Quintana, G. Rampazzo, F. Recchia, N. Redon, P. Reiter, D. Rosso, K. Rusek, E. Sahin, M-D. Salsac, P-A. Söderström, I. Stefan, O. Stézowski, J. Styczeń, Ch. Theisen, N. Toniolo, C.A. Ur, R. Wadsworth, B. Wasilewska, A. Wiens, J.L. Wood, K. Wrzosek-Lipska and M. Ziębliński. “Quadrupole collectivity in  $^{42}\text{Ca}$  from low-energy Coulomb excitation with AGATA”. *Phys. Rev. C* **97** (2018), 024326.
- [2] C. Henrich, Th. Kröll, K. Arnswald, C. Berger, C. Berner, T. Berry, V. Bildstein, J. Cederkäll, D. Cox, G. de Angelis, H. de Witte, G. Fernández Martínez, L. Gaffney, G. Georgiev, S. Ilieva, A. Illana Sison, R. Lozeva, M. Matejska-Minda, P.J. Napiorkowski, J. Ojala, J. Pakarinen, G. Rainovski, M. Ramdhane, P. Reiter, H-B Rhee, D. Rosiak, M. Seidlitz, B. Siebeck, G. Simpson, J. Snäll, V. Vaquero Soto, M. Thürauf, M. von Schmid, N. Warr, L. Werner and M. Zielińska. “Coulomb Excitation of  $^{142}\text{Xe}$ ”. *Acta Phys. Pol. B* **49** (2018), 529–533.
- [3] N. Lalović, D. Rudolph, Zs Podolyák, L.G. Sarmiento, E. C. Simpson, T. Alexander, M.L. Cortés, J. Gerl, P. Golubev, F. Ameil, T. Arici, Ch Bauer, D. Bazzacco, M.A. Bentley, P. Boutachkov, M. Bowry, C. Fahlander, A. Gadea, J. Gellanki, A. Givechev, N. Goel, M. Górska, A. Gottardo, E. Gregor, G. Guastalla, T. Habermann, M. Hackstein, A. Jungclaus, I. Kojouharov, R. Kumar, N. Kurz, M. Lettmann, C. Lizarazo, C. Louchart, E. Merchán, C. Michelagnoli, Th Möller, K. Moschner, Z. Patel, N. Pietralla, S. Pietri, D. Ralet, M. Reese, P.H. Regan, P. Reiter, H. Schaffner, P. Singh, C. Stahl, R. Stegmann, O. Stézowski, J. Taprogge,

- P. Thöle, A. Wendt, O. Wieland, E. Wilson, R. Wood, H-J Wollersheim, B. Birkenbach, B. Bruyneel, I. Burrows, E. Clément, P. Désesquelles, C. Domingo-Pardo, J. Eberth, V. González, H. Hess, J. Jolie, D.S. Judson, R. Menegazzo, D. Mengoni, D.R. Napoli, A. Pullia, B. Quintana, G. Rainovski, M.D. Salsac, E. Sanchis, J. Simpson, J.J. Valiente Dóbon and AGATA Collaboration. “Study of isomeric states in  $^{198,200,202,206}\text{Pb}$  and  $^{206}\text{Hg}$  populated in fragmentation reactions”. *J. Phys. G* 45 (2018), 035105.
- [4] J. Litzinger, A. Blazhev, A. Dewald, F. Didierjean, G. Duchêne, C. Fransen, R. Lozeva, D. Verney, G. de Angelis, D. Bazzacco, B. Birkenbach, S. Bottoni, A. Bracco, T. Braunroth, B. Cederwall, L. Corradi, F.C.L. Crespi, P. Désesquelles, J. Eberth, E. Ellinger, E. Farnea, E. Fioretto, R. Gernhäuser, A. Goasduff, A. Görgen, A. Gottardo, J. Grębosz, M. Hackstein, H. Hess, F. Ibrahim, J. Jolie, A. Jungclaus, K. Kolos, W. Korten, S. Leoni, S. Lunardi, A. Maj, R. Menegazzo, D. Mengoni, C. Michelagnoli, T. Mijatovic, B. Million, O. Möller, V. Modamio, G. Montagnoli, D. Montanari, A.I. Morales, D.R. Napoli, M. Niikura, N. Pietralla, G. Pollarolo, A. Pullia, B. Quintana, F. Recchia, P. Reiter, D. Rosso, E. Sahin, M.D. Salsac, F. Scarlassara, P.-A. Söderström, A.M. Stefanini, O. Stézowski, S. Szilner, Ch. Theisen, J.J. Valiente-Dobón, V. Vandone and A. Vogt. “Transition probabilities in neutron-rich  $^{80,82}\text{Se}$  and the role of the  $\nu g_{9/2}$  orbital”. *Phys. Rev. C* 97 (2018), 044323.
- [5] K. Arnsward, T. Braunroth, M. Seidlitz, L. Coraggio, P. Reiter, B. Birkenbach, A. Blazhev, A. Dewald, C. Fransen, B. Fu, A. Gargano, H. Hess, R. Hirsch, N. Itaco, S. M. Lenzi, L. Lewandowski, J. Litzinger, C. Müller-Gatermann, M. Queiser, D. Rosiak, D. Schneiders, B. Siebeck, T. Steinbach, A. Vogt, K. Wolf and K. O. Zell. “Enhanced collectivity along the  $N = Z$  line: Lifetime measurements in  $^{44}\text{Ti}$ ,  $^{48}\text{Cr}$ , and  $^{52}\text{Fe}$ ”. *Phys. Lett. B* 772 (2017), 599–606.
- [6] P.A. Butler, J. Cederkäll and P. Reiter. “Nuclear-structure studies of exotic nuclei with MINIBALL”. *J. Phys. G* 44 (2017), 044012.
- [7] E. Clément, C. Michelagnoli, G. de France, H.J. Li, A. Lemasson, C. Barthe Dejeon, M. Beuzard, P. Bougault, J. Cacitti, J.-L. Foucher, G. Fremont, P. Gangnant, J. Goupil, C. Houarner, M. Jean, A. Lefevre, L. Legeard, F. Legruel, C. Maugeais, L. Ménager, N. Ménard, H. Munoz, M. Ozille, B. Raine, J. A. Ropert, F. Sallant, C. Spitaels, M. Tripon, Ph. Vallerand, G. Voltolini, W. Korten, M.-D. Salsac, Ch. Theisen, M. Zielińska, T. Joannem, M. Karolak, M. Kebbiri, A. Lotode, R. Touzery, Ch. Walter, A. Korichi, J. Ljungvall, A. Lopez-Martens, D. Ralet, N. Dosme, X. Grave, N. Karkour, X. Lafay, E. Legay, I. Kojouharov, C. Domingo-Pardo, A. Gadea, R.M. Pérez-Vidal, J.V. Civera, B. Birkenbach, J. Eberth, H. Hess, L. Lewandowski, P. Reiter, A. Nannini, G. De Angelis, G. Jaworski, P. John, D.R. Napoli, J.J. Valiente-Dobón, D. Barrientos, D. Bortolato, G. Benzoni, A. Bracco, S. Brambilla, F. Camera, F.C.L. Crespi, S. Leoni, B. Million, A. Pullia, O. Wieland,

- D. Bazzacco, S. M. Lenzi, S. Lunardi, R. Menegazzo, D. Mengoni, F. Recchia, M. Bellato, R. Isocrate, F.J. Egea Canet, F. Didierjean, G. Duchêne, R. Baumann, M. Brucker, E. Dangelser, M. Filliger, H. Friedmann, G. Gaudiot, J.-N. Grapton, H. Kocher, C. Mathieu, M. -H. Sigward, D. Thomas, S. Veeramootoo, J. Dudouet, O. Stézowski, C. Aufranc, Y. Aubert, M. Labiche, J. Simpson, I. Burrows, P.J. Coleman-Smith, A. Grant, I.H. Lazarus, P.S. Morrall, V.F.E. Pucknell, A. Boston, D.S. Judson, N. Lalović, J. Nyberg, J. Collado, V. González, I. Kuti, B.M. Nyako, A. Maj and M. Rudigier. “Conceptual design of the AGATA 1  $\pi$  array at GANIL”. *Nucl. Instrum. Methods Phys. Res. A* 855 (2017), 1–12.
- [8] J. Dudouet, A. Lemasson, G. Duchêne, M. Rejmund, E. Clément, C. Michelagnoli, F. Didierjean, A. Korichi, G. Maquart, O. Stézowski, C. Lizarazo, R.M. Pérez-Vidal, C. Andreoiu, G. de Angelis, A. Astier, C. Delafosse, I. Deloncle, Z. Dombrádi, G. de France, A. Gadea, A. Gottardo, B. Jacquot, P. Jones, T. Konstantinopoulos, I. Kuti, F. Le Blanc, S. M. Lenzi, G. Li, R. Lozeva, B. Million, D.R. Napoli, A. Navin, C.M. Petrache, N. Pietralla, D. Ralet, M. Ramdhane, N. Redon, C. Schmitt, D. Sohler, D. Verney, D. Barrientos, B. Birkenbach, I. Burrows, L. Charles, J. Collado, D.M. Cullen, P. Désesquelles, C. Domingo Pardo, V. González, L. Harkness-Brennan, H. Hess, D.S. Judson, M. Karolak, W. Korten, M. Labiche, J. Ljungvall, R. Menegazzo, D. Mengoni, A. Pullia, F. Recchia, P. Reiter, M. D. Salsac, E. Sanchis, Ch. Theisen, J.J. Valiente-Dobón and M. Zielińska. “ $^{96}_{36}\text{Kr}_{60}$ -Low- $Z$  Boundary of the Island of Deformation at  $N = 60$ ”. *Phys. Rev. Lett.* 118 (2017), 162501.
- [9] P.R. John, J.J. Valiente-Dobón, D. Mengoni, V. Modamio, S. Lunardi, D. Bazzacco, A. Gadea, C. Wheldon, T.R. Rodríguez, T. Alexander, G. de Angelis, N. Ashwood, M. Barr, G. Benzoni, B. Birkenbach, P.G. Bizzeti, A.M. Bizzeti-Sona, S. Bottoni, M. Bowry, A. Bracco, F. Browne, M. Bunce, F. Camera, L. Corradi, F. C.L. Crespi, B. Melon, E. Farnea, E. Fioretto, A. Gottardo, L. Grente, H. Hess, Tz. Kokalova, W. Korten, A. Kusoglu, S. Lenzi, S. Leoni, J. Ljungvall, R. Menegazzo, C. Michelagnoli, T. Mijatovic, G. Montagnoli, D. Montanari, D.R. Napoli, Zs. Podolyák, G. Pollarolo, F. Recchia, P. Reiter, O.J. Roberts, E. Sahin, M.-D. Salsac, F. Scarlassara, M. Sferrazza, P.-A. Söderström, A.M. Stefanini, S. Szilner, C.A. Ur, A. Vogt and J. Walshe. “In-beam gamma-ray spectroscopy of the neutron-rich platinum isotope  $^{200}\text{Pt}$  toward the  $N = 126$  shell gap”. *Phys. Rev. C* 95 (2017), 064321.
- [10] L. Kaya, A. Vogt, P. Reiter, B. Birkenbach, R. Hirsch, K. Arnswald, H. Hess, M. Seidlitz, T. Steinbach, N. Warr, K. Wolf, C. Stahl, N. Pietralla, T. Limböck, K. Meerholz and R. Lutter. “Characterization and calibration of radiation-damaged double-sided silicon strip detectors”. *Nucl. Instrum. Methods Phys. Res. A* 855 (2017), 109–117.
- [11] M. Klintefjord, J. Ljungvall, A. Gørgen, S. M. Lenzi, F.L. Bello Garrote, A. Blazhev, E. Clément, G. de France, J.-P. Delaroche, P. Désesquelles, A. Dewald, D.T. Do-

- herty, C. Fransen, A. Gengelbach, G. Georgiev, M. Girod, A. Goasduff, A. Gottardo, K. Hadyńska-Klęk, B. Jacquot, T. Konstantinopoulos, A. Korichi, A. Lemasson, J. Libert, A. Lopez-Martens, C. Michelagnoli, A. Navin, J. Nyberg, R.M. Pérez-Vidal, S. Roccia, E. Sahin, I. Stefan, A.E. Stuchbery, M. Zielińska, D. Barrientos, B. Birkenbach, A. Boston, L. Charles, M. Ciemała, J. Dudouet, J. Eberth, A. Gadea, V. González, L. Harkness-Brennan, H. Hess, A. Jungclaus, W. Korten, R. Menegazzo, D. Mengoni, B. Million, A. Pullia, D. Ralet, F. Recchia, P. Reiter, M.D. Salsac, E. Sanchis, O. Stézowski, Ch. Theisen and J.J. Valiente Dóbon. “Measurement of lifetimes in  $^{62,64}\text{Fe}$ ,  $^{61,63}\text{Co}$ , and  $^{59}\text{Mn}$ ”. *Phys. Rev. C* **95** (2017), 024312.
- [12] T. Konstantinopoulos, P. Petkov, A. Goasduff, T. Arici, A. Astier, L. Atanasova, M. Axiotis, D. Bonatsos, P. Detistov, A. Dewald, M.J. Eller, V. Foteinou, A. Gargano, G. Georgiev, K. Gladnishki, A. Gottardo, S. Harissopulos, H. Hess, S. Kaim, D. Kocheva, A. Kusoglu, A. Lagoyannis, J. Ljungvall, R. Lutter, I. Matea, B. Melon, T.J. Mertzimekis, A. Nannini, C.M. Petrache, A. Petrovici, G. Provatas, P. Reiter, M. Rocchini, S. Roccia, M. Seidlitz, B. Siebeck, D. Suzuki, N. Warr, H. De Witte and T. Zerrouki. “Lifetime measurements in  $^{100}\text{Ru}$ ”. *Phys. Rev. C* **95** (2017), 014309.
- [13] J. Pakarinen, T. Grahn, L.P. Gaffney, A. Algora, C. Bauer, A. Blazhev, N. Bree, T.E. Cocolios, H. De Witte, J. Diriken, P. Fernier, K. Hadyńska-Klęk, A. Herzan, M. Huyse, J. Iwanicki, U. Jakobsson, D. Jenkins, N. Kesteloot, J. Konki, B. Lannoo, P. Papadakis, P. Peura, P. Rahkila, G. Rainovski, E. Rapisarda, P. Reiter, S. Sambhi, M. Scheck, B. Siebeck, M. Seidlitz, T. Stora, P. Van Duppen, N. Warr, F. Wenander, M.J. Vermeulen, D. Voulot, K. Wrzosek-Lipska and M. Zielińska. “Collectivity in  $^{196,198}\text{Pb}$  isotopes probed in Coulomb-excitation experiments at REX-ISOLDE”. *J. Phys. G* **44** (2017), 064009.
- [14] M. Queiser, A. Vogt, M. Seidlitz, P. Reiter, T. Togashi, N. Shimizu, Y. Utsuno, T. Otsuka, M. Honma, P. Petkov, K. Arnsward, R. Altenkirch, B. Birkenbach, A. Blazhev, T. Braunroth, A. Dewald, J. Eberth, C. Fransen, B. Fu, H. Hess, R. Hetzenegger, R. Hirsch, J. Jolie, V. Karayonchev, L. Kaya, L. Lewandowski, C. Müller-Gatermann, J.-M. Regis, D. Rosiak, D. Schneiders, B. Siebeck, T. Steinbach, K. Wolf and K. -O. Zell. “Cross-shell excitations from the  $fp$  shell: Lifetime measurements in  $^{61}\text{Zn}$ ”. *Phys. Rev. C* **96** (2017), 044313.
- [15] D. Ralet, S. Pietri, T. Rodríguez, M. Alaqeel, T. Alexander, N. Alkhomashi, F. Ameil, T. Arici, A. Atac, R. Avigo, T. Back, D. Bazzacco, B. Birkenbach, P. Boutachkov, B. Bruyneel, A.M. Bruce, F. Camera, B. Cederwall, S. Ceruti, E. Clément, M.L. Cortés, D. Curien, G. De Angelis, P. Désesquelles, M. Dewald, F. Didierjean, C. Domingo-Pardo, M. Doncel, G. Duchêne, J. Eberth, A. Gadea, J. Gerl, F. Ghazi Moradi, H. Geissel, T. Goigoux, N. Goel, P. Golubev, V. González, M. Górska, A. Gottardo, E. Gregor, G. Guastalla, A. Givechev, T. Habermann,

- M. Hackstein, L. Harkness-Brennan, G. Henning, H. Hess, T. Huyuk, J. Jolie, D.S. Judson, A. Jungclaus, R. Knoebel, I. Kojouharov, A. Korichi, W. Korten, N. Kurz, M. Labiche, N. Lalović, C. Louchart-Henning, D. Mengoni, E. Merchán, B. Million, A.I. Morales, D. Napoli, F. Naqvi, J. Nyberg, N. Pietralla, Zs Podolyák, A. Pullia, A. Prochazka, B. Quintana, G. Rainovski, M. Reese, F. Recchia, P. Reiter, D. Rudolph, M.D. Salsac, E. Sanchis, L. G. Sarmiento, H. Schaffner, C. Scheidenberger, L. Sengele, B.S. Nara Singh, P.P. Singh, C. Stahl, O. Stézowski, P. Thoele, J.J. Valiente Dóbon, H. Weick, A. Wendt, O. Wieland, J.S. Winfield, H.J. Wollersheim, M. Zielińska and PreSPEC AGATA Collaborations. “Lifetime measurement of neutron-rich even-even molybdenum isotopes”. *Phys. Rev. C* **95** (2017), 034320.
- [16] T. Steinbach, R. Hirsch, P. Reiter, B. Birkenbach, B. Bruyneel, J. Eberth, R. Gernhäuser, H. Hess, L. Lewandowski, L. Maier, M. Schlarb, B. Weiler and M. Winkel. “Compton imaging with a highly-segmented, position-sensitive HPGe detector”. *Eur. Phys. J. A* **53** (2017), 23.
- [17] A. Vogt, B. Birkenbach, P. Reiter, A. Blazhev, M. Siciliano, K. Hadyńska-Klęk, J.J. Valiente-Dobón, C. Wheldon, E. Teruya, N. Yoshinaga, K. Arnsward, D. Bazzacco, M. Bowry, A. Bracco, B. Bruyneel, R.S. Chakrawarthy, R. Chapman, D. Cline, L. Corradi, F.C.L. Crespi, M. Cromaz, G. de Angelis, J. Eberth, P. Fallon, E. Farnea, E. Fioretto, S.J. Freeman, B. Fu, A. Gadea, K. Geibel, W. Gelletly, A. Gengelbach, A. Giaz, A. Görden, A. Gottardo, A.B. Hayes, H. Hess, R. Hirsch, H. Hua, P.R. John, J. Jolie, A. Jungclaus, L. Kaya, W. Korten, I.Y. Lee, S. Leoni, L. Lewandowski, X. Liang, S. Lunardi, A.O. Macchiavelli, R. Menegazzo, D. Mengoni, C. Michelagnoli, T. Mijatovic, G. Montagnoli, D. Montanari, C. Müller-Gatermann, D. Napoli, C.J. Pearson, L. Pellegri, Zs. Podolyák, G. Pollarolo, A. Pullia, M. Queiser, F. Radeck, F. Recchia, P.H. Regan, D. Rosiak, N. Saed-Samii, E. Sahin, F. Scarlassara, D. Schneiders, M. Seidlitz, B. Siebeck, G. Sletten, J.F. Smith, P.-A. Söderström, A.M. Stefanini, T. Steinbach, O. Stézowski, S. Szilner, B. Szpak, R. Teng, C. Ur, V. Vandone, D.D. Warner, A. Wiens, C.Y. Wu and K. O. Zell. “Isomers and high-spin structures in the  $N = 81$  isotones  $^{135}\text{Xe}$  and  $^{137}\text{Ba}$ ”. *Phys. Rev. C* **95** (2017), 024316.
- [18] A. Vogt, M. Siciliano, B. Birkenbach, P. Reiter, K. Hadyńska-Klęk, C. Wheldon, J.J. Valiente-Dobón, E. Teruya, N. Yoshinaga, K. Arnsward, D. Bazzacco, A. Blazhev, A. Bracco, B. Bruyneel, R.S. Chakrawarthy, R. Chapman, D. Cline, L. Corradi, F.C.L. Crespi, M. Cromaz, G. de Angelis, J. Eberth, P. Fallon, E. Farnea, E. Fioretto, C. Fransen, S.J. Freeman, B. Fu, A. Gadea, W. Gelletly, A. Giaz, A. Görden, A. Gottardo, A. B. Hayes, H. Hess, R. Hetzenegger, R. Hirsch, H. Hua, P.R. John, J. Jolie, A. Jungclaus, V. Karayonchev, L. Kaya, W. Korten, I.Y. Lee, S. Leoni, X. Liang, S. Lunardi, A.O. Macchiavelli, R. Menegazzo, D. Mengoni, C. Michelagnoli, T. Mijatovic, G. Montagnoli, D. Montanari, C. Müller-Gatermann, D. Napoli, C.J. Pearson, Zs. Podolyák, G. Pollarolo, A. Pullia, M. Queiser, F. Recchia, P.H. Regan,

- J. -M. Regis, N. Saed-Samii, E. Sahin, F. Scarlassara, M. Seidlitz, B. Siebeck, G. Sletten, J.F. Smith, P.-A. Söderström, A.M. Stefanini, O. Stézowski, S. Szilner, B. Szpak, R. Teng, C. Ur, D.D. Warner, K. Wolf, C.Y. Wu and K. O. Zell. “High-spin structures in  $^{132}\text{Xe}$  and  $^{133}\text{Xe}$  and evidence for isomers along the  $N = 79$  isotones”. *Phys. Rev. C* **96** (2017), 024321.
- [19] J.N. Wilson, M. Lebois, L. Qi, P. Amador-Celdran, D. Bleuel, J.A. Briz, R. Carroll, W. Catford, H. De Witte, D. Doherty, R. Eloirdi, G. Georgiev, A. Gottardo, A. Goasduff, K. Hadyńska-Klęk, K. Hauschild, M. Hess, V. Ingeberg, T. Konstantinopoulos, J. Ljungvall, A. Lopez-Martens, G. Lorusso, R. Lozeva, R. Lutter, P. Marini, I. Matea, T. Materna, L. Mathieu, A. Oberstedt, S. Oberstedt, S. Panebianco, Z. Podolyák, A. Porta, P.H. Regan, P. Reiter, K. Rezynkina, S.J. Rose, E. Sahin, M. Seidlitz, R. Shearman, B. Siebeck, S. Siem, A.G. Smith, G.M. Tveten, D. Verney, N. Warr, F. Zeiser and M. Zielińska. “Production and study of neutron-rich nuclei using the LICORNE directional neutron source”. *Acta Phys. Pol. B* **48** (2017), 395–401.
- [20] J.N. Wilson, M. Lebois, L. Qi, P. Amador-Celdran, D. Bleuel, J.A. Briz, R. Carroll, W. Catford, H. De Witte, D.T. Doherty, R. Eloirdi, G. Georgiev, A. Gottardo, A. Goasduff, K. Hadyńska-Klęk, K. Hauschild, H. Hess, V. Ingeberg, T. Konstantinopoulos, J. Ljungvall, A. Lopez-Martens, G. Lorusso, R. Lozeva, R. Lutter, P. Marini, I. Matea, T. Materna, L. Mathieu, A. Oberstedt, S. Oberstedt, S. Panebianco, Zs. Podolyák, A. Porta, P.H. Regan, P. Reiter, K. Rezynkina, S.J. Rose, E. Sahin, M. Seidlitz, O. Serot, R. Shearman, B. Siebeck, S. Siem, A.G. Smith, G.M. Tveten, D. Verney, N. Warr, F. Zeiser and M. Zielińska. “Anomalies in the Charge Yields of Fission Fragments from the  $^{238}\text{U}(n, f)$  Reaction”. *Phys. Rev. Lett.* **118** (2017), 222501.
- [21] B. Bruyneel, B. Birkenbach and P. Reiter. “Pulse shape analysis and position determination in segmented HPGe detectors: The AGATA detector library”. *Eur. Phys. J. A* **52** (2016), 70.
- [22] E. Clément, M. Zielińska, A. Görden, W. Korten, S. Peru, J. Libert, H. Goutte, S. Hilaire, B. Bastin, C. Bauer, A. Blazhev, N. Bree, B. Bruyneel, P.A. Butler, J. Butterworth, P. Delahaye, A. Dijon, D.T. Doherty, A. Ekström, C. Fitzpatrick, C. Fransen, G. Georgiev, R. Gernhäuser, H. Hess, J. Iwanicki, D.G. Jenkins, A.C. Larsen, J. Ljungvall, R. Lutter, P. Marley, K. Moschner, P.J. Napiorkowski, J. Pakarinen, A. Petts, P. Reiter, T. Renstrom, M. Seidlitz, B. Siebeck, S. Siem, C. Sotty, J. Srebrny, I. Stefanescu, G.M. Tveten, J. Van de Walle, M. Vermeulen, D. Voulot, N. Warr, F. Wenander, A. Wiens, H. De Witte and K. Wrzosek-Lipska. “Spectroscopic Quadrupole Moments in  $^{96,98}\text{Sr}$ : Evidence for Shape Coexistence in Neutron-Rich Strontium Isotopes at  $N = 60$ ”. *Phys. Rev. Lett.* **116** (2016), 022701.

- [23] E. Clément, M. Zielińska, S. Peru, H. Goutte, S. Hilaire, A. Gørgen, W. Korten, D.T. Doherty, B. Bastin, C. Bauer, A. Blazhev, N. Bree, B. Bruyneel, P. A. Butler, J. Butterworth, J. Cederkäll, P. Delahaye, A. Dijon, A. Ekström, C. Fitzpatrick, C. Fransen, G. Georgiev, R. Gernhäuser, H. Hess, J. Iwanicki, D.G. Jenkins, A.C. Larsen, J. Ljungvall, R. Lutter, P. Marley, K. Moschner, P.J. Napiorkowski, J. Pakarinen, A. Petts, P. Reiter, T. Renstrom, M. Seidlitz, B. Siebeck, S. Siem, C. Sotty, J. Srebrny, I. Stefanescu, G.M. Tveten, J. Van de Walle, M. Vermeulen, D. Voulot, N. Warr, F. Wenander, A. Wiens, H. De Witte and K. Wrzosek-Lipska. “Low-energy Coulomb excitation of  $^{96,98}\text{Sr}$  beams”. *Phys. Rev. C* **94** (2016), 054326.
- [24] B. Fu, M. Seidlitz, A. Blazhev, M. Bouhelal, F. Haas, P. Reiter, K. Arnsward, B. Birkenbach, C. Fransen, G. Friessner, A. Hennig, H. Hess, R. Hirsch, L. Lewandowski, D. Schneiders, B. Siebeck, T. Steinbach, T. Thomas, A. Vogt, A. Wendt, K. Wolf and K. O. Zell. “ $\gamma$ -ray spectroscopy of  $^{33}\text{P}$  and  $^{33}\text{S}$  after fusion-evaporation reactions”. *Phys. Rev. C* **94** (2016), 034318.
- [25] T. Grahn, J. Pakarinen, L. Jokiniemi, M. Albers, K. Auranen, C. Bauer, C. Bernards, A. Blazhev, P.A. Butler, S. Bönig, A. Damyanova, T. De Coster, H. De Witte, J. El-seviers, L.P. Gaffney, M. Huyse, A. Herzan, U. Jakobsson, R. Julin, N. Kesteloot, J. Konki, Th. Kröll, L. Lewandowski, K. Moschner, P. Peura, M. Pfeiffer, D. Radeck, P. Rahkila, E. Rapisarda, P. Reiter, K. Reynders, M. Rudiger, M.-D. Salsac, S. Sambhi, M. Scheck, M. Seidlitz, B. Siebeck, T. Steinbach, S. Stolze, J. Suhonen, P. Thöle, M. Thürauf, N. Warr, P. Van Duppen, M. Venhart, M.J. Vermeulen, V. Werner, M. Veselsky, A. Vogt, K. Wrzosek-Lipska and M. Zielińska. “Collective  $2_1^+$  excitations in  $^{206}\text{Po}$  and  $^{208,210}\text{Rn}$ ”. *Eur. Phys.J. A* **52** (2016), 340.
- [26] K. Hadyńska-Klęk, P.J. Napiorkowski, M. Zielińska, J. Srebrny, A. Maj, F. Azaiez, J.J. Valiente Dóbon, M. Kicińska-Habior, F. Nowacki, H. Naïdja, B. Bounthong, T.R. Rodríguez, G. de Angelis, T. Abraham, G. Anil Kumar, D. Bazzacco, M. Bellato, D. Bortolato, P. Bednarczyk, G. Benzoni, L. Berti, B. Birkenbach, B. Bruyneel, S. Brambilla, F. Camera, J. Chavas, B. Cederwall, L. Charles, M. Ciemala, P. Cocconi, P. Coleman-Smith, A. Colombo, A. Corsi, F.C.L. Crespi, D.M. Cullen, A. Czermak, P. Désesquelles, D.T. Doherty, B. Dulny, J. Eberth, E. Farnea, B. Fornal, S. Franchoo, A. Gadea, A. Giaz, A. Gottardo, X. Grave, J. Grębosz, A. Gørgen, M. Gulmini, T. Habermann, H. Hess, R. Isocrate, J. Iwanicki, G. Jaworski, D.S. Judson, A. Jungclauss, N. Karkour, M. Kmiecik, D. Karpiński, M. Kisieliński, N. Kondratyev, A. Korichi, M. Komorowska, M. Kowalczyk, W. Korten, M. Krzysiek, G. Lehaut, S. Leoni, J. Ljungvall, A. Lopez-Martens, S. Lunardi, G. Maron, K. Mazurek, R. Menegazzo, D. Mengoni, E. Merchán, W. M. Eczynski, C. Michelagnoli, J. Mierzejewski, B. Million, S. Myalski, D.R. Napoli, R. Nicolini, M. Niikura, A. Obertelli, S.F. Özmen, M. Palacz, L. Próchniak, A. Pullia, B. Quintana, G. Rampazzo, F. Recchia, N. Redon, P. Reiter, D. Rosso, K. Rusek, E. Sahin, M.-D. Salsac, P.-A. Söderström, I. Stefan, O. Stézowski, J. Styczeń, Ch. Theisen, N. Toniolo, C.A. Ur,

- V. Vandone, R. Wadsworth, B. Wasilewska, A. Wiens, J.L. Wood, K. Wrzosek-Lipska and M. Ziębliński. “Superdeformed and Triaxial States in  $^{42}\text{Ca}$ ”. *Phys. Rev. Lett.* **117** (2016), 062501.
- [27] M. Klintefjord, K. Hadyńska-Klęk, A. Görden, C. Bauer, F.L. Bello Garrote, S. Bonig, B. Bounthong, A. Damyanova, J.-P. Delaroche, V. Fedosseev, D.A. Fink, F. Giacoppo, M. Girod, P. Hoff, N. Imai, W. Korten, A. -C. Larsen, J. Libert, R. Lutter, B.A. Marsh, P. L. Molkanov, H. Naïdja, P. Napiorkowski, F. Nowacki, J. Pakarinen, E. Rapisarda, P. Reiter, T. Renstrom, S. Rothe, M.D. Seliverstov, B. Siebeck, S. Siem, J. Srebrny, T. Stora, P. Thole, T. G. Tornyi, G.M. Tveten, P. Van Duppen, M.J. Vermeulen, D. Voulot, N. Warr, F. Wenander, H. De Witte and M. Zielińska. “Structure of low-lying states in  $^{140}\text{Sm}$  studied by Coulomb excitation”. *Phys. Rev. C* **93** (2016), 054303.
- [28] M. Komorowska, M. Zielińska, P. Napiorkowski, T. Doherty, K. Wrzosek-Lipska, P.A. Butler, L. Próchniak, W. Korten, R. Briselet, H. De Witte, L.P. Gaffney, G. Georgiev, A. Goasduff, A. Görden, A. Gottardo, E.T. Gregor, K. Hadyńska-Klęk, H. Hess, M. Klintefjord, T. Konstantinopoulos, J. Ljungvall, R. Lutter, I. Matea, P. Matuszczak, G.G. O’Neill, W. Piatek, P. Reiter, D. Rosiak, M. Scheck, M. Seidlitz, B. Siebeck, M. Thürauf and N. Warr. “Study of octupole collectivity in  $^{146}\text{Nd}$  and  $^{148}\text{Sm}$  using the new Coulomb excitation set-up at ALTO”. *Acta Phys. Pol. B* **47** (2016), 923–928.
- [29] M. Krzysiek, M. Kmiecik, A. Maj, P. Bednarczyk, A. Bracco, F.C.L. Crespi, E.G. Lanza, E. Litvinova, N. Paar, R. Avigo, D. Bazzacco, G. Benzoni, B. Birkenbach, N. Blasi, S. Bottoni, S. Brambilla, F. Camera, S. Ceruti, M. Ciemala, G. de Angelis, P. Désesquelles, J. Eberth, E. Farnea, A. Gadea, A. Giaz, A. Görden, A. Gottardo, J. Grębosz, H. Hess, R. Isocarte, A. Jungclaus, S. Leoni, J. Ljungvall, S. Lunardi, K. Mazurek, R. Menegazzo, D. Mengoni, C. Michelagnoli, B. Million, A.I. Morales, D.R. Napoli, R. Nicolini, L. Pellegrini, A. Pullia, B. Quintana, F. Recchia, P. Reiter, D. Rosso, M.D. Salsac, B. Siebeck, S. Siem, P.-A. Söderström, C. Ur, J.J. Valiente-Dobón, O. Wieland and M. Ziębliński. “Pygmy dipole resonance in  $^{140}\text{Ce}$  via inelastic scattering of  $^{17}\text{O}$ ”. *Phys. Rev. C* **93** (2016), 044330.
- [30] D. Montanari, L. Corradi, S. Szilner, G. Pollarolo, A. Goasduff, T. Mijatovic, D. Bazzacco, B. Birkenbach, A. Bracco, L. Charles, S. Courtin, P. Désesquelles, E. Fioretto, A. Gadea, A. Görden, A. Gottardo, J. Grębosz, F. Haas, H. Hess, D. Jelavic Malenica, A. Jungclaus, M. Karolak, S. Leoni, A. Maj, R. Menegazzo, D. Mengoni, C. Michelagnoli, G. Montagnoli, D.R. Napoli, A. Pullia, F. Recchia, P. Reiter, D. Rosso, M.D. Salsac, F. Scarlassara, P.-A. Söderström, N. Soic, A.M. Stefanini, O. Stęzowski, Ch. Theisen, C.A. Ur, J.J. Valiente-Dobón and M. Varga Pajtler. “Pair neutron transfer in  $^{60}\text{Ni} + ^{116}\text{Sn}$  probed via  $\gamma$ -particle coincidences”. *Phys. Rev. C* **93** (2016), 054623.



- [31] K. Moschner, A. Blazhev, J. Jolie, N. Warr, P. Boutachkov, P. Bednarczyk, K. Sieja, A. Algora, F. Ameil, M.A. Bentley, S. Brambilla, N. Braun, F. Camera, J. Cederkäll, A. Corsi, M. Danchev, D. DiJulio, C. Fahlander, J. Gerl, A. Giaz, P. Golubev, M. Górska, J. Grębosz, T. Habermann, M. Hackstein, R. Hoischen, I. Kojouharov, N. Kurz, N. Margincan, E. Merchán, T. Möller, F. Naqvi, B.S. Nara Singh, C. Nociforo, N. Pietralla, S. Pietri, Zs. Podolyák, A. Prochazka, M. Reese, P. Reiter, M. Rudigier, D. Rudolph, T. Sava, H. Schaffner, L. Scruton, J. Taprogge, T. Thomas, H. Weick, A. Wendt, O. Wieland and H.-J. Wollersheim. “Relativistic Coulomb excitation of  $^{88}\text{Kr}$ ”. *Phys. Rev. C* **94** (2016), 054323.
- [32] K. Nowak, K. Wimmer, S. Hellgartner, D. Mücher, V. Bildstein, J. Diriken, J. Elseviers, L.P. Gaffney, R. Gernhäuser, J. Iwanicki, J.G. Johansen, M. Huyse, J. Konki, T. Kröll, R. Krücken, R. Lutter, R. Orlandi, J. Pakarinen, R. Raabe, P. Reiter, T. Roger, G. Schrieder, M. Seidlitz, O. Sorlin, P. Van Duppen, N. Warr, H. De Witte and M. Zielińska. “Spectroscopy of  $^{46}\text{Ar}$  by the (t, p) two-neutron transfer reaction”. *Phys. Rev. C* **93** (2016), 044335.
- [33] Zs. Podolyák, C.M. Shand, N. Lalović, J. Gerl, D. Rudolph, T. Alexander, P. Boutachkov, M.L. Cortés, M. Górska, I. Kojouharov, N. Kurz, C. Louchart, E. Merchán, C. Michelagnoli, R.M. Pérez-Vidal, S. Pietri, D. Ralet, M. Reese, H. Schaffner, Ch. Stahl, H. Weick, F. Ameil, G. de Angelis, T. Arici, R. Carroll, Zs. Dombrádi, A. Gadea, P. Golubev, M. Lettmann, C. Lizarazo, D. Mahboub, H. Pai, Z. Patel, N. Pietralla, P.H. Regan, L.G. Sarmiento, O. Wieland, E. Wilson, B. Birkenbach, B. Bruyneel, I. Burrows, L. Charles, E. Clément, F.C.L. Crespi, D.M. Cullen, P. Désesquelles, J. Eberth, V. González, T. Habermann, L. Harkness-Brennan, H. Hess, D.S. Judson, A. Jungclaus, W. Korten, M. Labiche, A. Maj, D. Mengoni, D.R. Napoli, A. Pullia, B. Quintana, G. Rainovski, P. Reiter, M.D. Salsac, E. Sanchis and J.J. Valiente Dóbon. “Role of the  $\Delta$  Resonance in the Population of a Four-Nucleon State in the  $^{56}\text{Fe} \rightarrow ^{54}\text{Fe}$  Reaction at Relativistic Energies”. *Phys. Rev. Lett.* **117** (2016), 222302.
- [34] A. Vogt, B. Birkenbach, P. Reiter, A. Blazhev, M. Siciliano, J.J. Valiente-Dobón, C. Wheldon, D. Bazzacco, M. Bowry, A. Bracco, B. Bruyneel, R.S. Chakravarthy, R. Chapman, D. Cline, L. Corradi, F.C.L. Crespi, M. Cromaz, G. de Angelis, J. Eberth, P. Fallon, E. Farnea, E. Fioretto, S.J. Freeman, A. Gadea, K. Geibel, W. Gelletly, A. Gengelbach, A. Giaz, A. Górgen, A. Gottardo, A.B. Hayes, H. Hess, H. Hua, P.R. John, J. Jolie, A. Jungclaus, W. Korten, I.Y. Lee, S. Leoni, X. Liang, S. Lunardi, A.O. Macchiavelli, R. Menegazzo, D. Mengoni, C. Michelagnoli, T. Mijatovic, G. Montagnoli, D. Montanari, D. Napoli, C.J. Pearson, L. Pellegrini, Zs. Podolyák, G. Pollarolo, A. Pullia, F. Radeck, F. Recchia, P.H. Regan, E. Sahin, F. Scarlassara, G. Sletten, J.F. Smith, P.-A. Söderström, A.M. Stefanini, T. Steinbach, O. Stézowski, S. Szilner, B. Szpak, R. Teng, C. Ur, V. Vandone, D. Ward, D.D. Warner, A. Wiens and C.Y. Wu. “High-spin structure of  $^{134}\text{Xe}$ ”. *Phys. Rev. C* **93** (2016), 054325.

- [35] T. Alexander, Zs. Podolyák, M.L. Cortés, J. Gerl, D. Rudolph, L.G. Sarmiento, F. Ameil, T. Arici, D. Bazzacco, Ch Bauer, M.A. Bentley, A. Blazhev, M. Bowry, P. Boutachkov, R. Carroll, C. Fahlander, A. Gadea, J. Gellanki, W. Gelletly, A. Givechev, N. Goel, P. Golubev, M. Górska, A. Gottardo, E. Gregor, G. Guastalla, T. Habermann, M. Hackstein, A. Jungclaus, I. Kojouharov, W. Korten, S. Kumar, N. Kurz, N. Lalović, M. Lettmann, C. Lizarazo, C. Louchart, S. Mandal, E. Merchán, C. Michelagnoli, Th Möller, K. Moschner, Z. Patel, N. Pietralla, S. Pietri, D. Ralet, M. Reese, P.H. Regan, P. Reiter, H. Schaffner, P. Singh, C. Stahl, R. Stegmann, O. Stezowski, J. Taprogge, P. Thöle, P.M. Walker, O. Wieland, A. Wendt, E. Wilson, R. Wood, H.-J. Wollersheim and AGATA Collaboration. “Isomeric ratios in  $^{206}\text{Hg}$ ”. *Acta Phys. Pol. B* 46 (2015), 601–605.
- [36] B. Birkenbach, A. Vogt, K. Geibel, F. Recchia, P. Reiter, J.J. Valiente-Dobón, D. Bazzacco, M. Bowry, A. Bracco, B. Bruyneel, L. Corradi, F.C.L. Crespi, G. de Angelis, P. Désesquelles, J. Eberth, E. Farnea, E. Fioretto, A. Gadea, A. Gengelbach, A. Giaz, A. Görgen, A. Gottardo, J. Grębosz, H. Hess, P.R. John, J. Jolie, D.S. Judson, A. Jungclaus, W. Korten, S. Lenzi, S. Leoni, S. Lunardi, R. Menegazzo, D. Mengoni, C. Michelagnoli, T. Mijatovic, G. Montagnoli, D. Montanari, D. Napoli, L. Pellegri, G. Pollarolo, A. Pullia, B. Quintana, F. Radeck, D. Rosso, E. Sahin, M. D. Salsac, F. Scarlassara, P.-A. Söderström, A.M. Stefanini, T. Steinbach, O. Stézowski, S. Szilner, B. Szpak, Ch Theisen, C. Ur, V. Vandone and A. Wiens. “Spectroscopy of the neutron-rich actinide nucleus  $^{240}\text{U}$  following multinucleon-transfer reactions”. *Phys. Rev. C* 92 (2015), 044319.
- [37] S. Bottoni, S. Leoni, B. Fornal, R. Raabe, K. Rusek, G. Benzoni, A. Bracco, F.C.L. Crespi, A.I. Morales, P. Bednarczyk, N. Cieplicka-Orynczak, W. Krolas, A. Maj, B. Szpak, M. Callens, J. Bouma, J. Elseviers, H. De Witte, F. Flavigny, R. Orlandi, P. Reiter, M. Seidlitz, N. Warr, B. Siebeck, S. Hellgartner, D. Mücher, J. Pakarinen, M. Vermeulen, C. Bauer, G. Georgiev, R.V.F. Janssens, D. Balabanski, M. Sferrazza, M. Kowalska, E. Rapisarda, D. Voulot, M. Lozano Benito and F. Wenzel. “Cluster-transfer reactions with radioactive beams: A spectroscopic tool for neutron-rich nuclei”. *Phys. Rev. C* 92 (2015), 024322.
- [38] S. Ceruti, F. Camera, A. Bracco, R. Avigo, G. Benzoni, N. Blasi, G. Bocchi, S. Bottoni, S. Brambilla, F.C.L. Crespi, A. Giaz, S. Leoni, A. Mentana, B. Million, A.I. Morales, R. Nicolini, L. Pellegri, A. Pullia, S. Riboldi, O. Wieland, B. Birkenbach, D. Bazzacco, M. Ciemała, P. Désesquelles, J. Eberth, E. Farnea, A. Görgen, A. Gottardo, H. Hess, D.S. Judson, A. Jungclaus, M. Kmiecik, W. Korten, A. Maj, R. Menegazzo, D. Mengoni, C. Michelagnoli, V. Modamio, D. Montanari, S. Myalski, D. Napoli, B. Quintana, P. Reiter, F. Recchia, D. Rosso, E. Sahin, M.D. Salsac, P.-A. Söderström, O. Stézowski, Ch. Theisen, C. Ur, J.J. Valiente-Dobón and M. Ziębliński. “Isospin Mixing in  $^{80}\text{Zr}$ : From Finite to Zero Temperature”. *Phys. Rev. Lett.* 115 (2015), 222502.

- [39] F.C.L. Crespi, A. Bracco, R. Nicolini, E.G. Lanza, A. Vitturi, D. Mengoni, S. Leoni, G. Benzoni, N. Blasi, C. Boiano, S. Bottoni, S. Brambilla, F. Camera, A. Corsi, A. Giaz, B. Million, L. Pellegrini, V. Vandone, O. Wieland, P. Bednarczyk, M. Ciemała, M. Kmiecik, M. Krzysiek, A. Maj, D. Bazzacco, M. Bellato, B. Birkenbach, D. Bertolotto, E. Calore, B. Cederwall, G. de Angelis, P. Désesquelles, J. Eberth, E. Farnea, A. Gadea, A. Görge, A. Gottardo, H. Hess, R. Isocrate, J. Jolie, A. Jungclaus, R.S. Kempley, M. Labiche, R. Menegazzo, C. Michelagnoli, P. Molini, D.R. Napoli, A. Pullia, B. Quintana, F. Recchia, P. Reiter, E. Sahin, S. Siem, P.-A. Soederstroem, O. Stézowski, Ch. Theisen, C. Ur and J.J. Valiente-Dobón. “ $1^-$  and  $2^+$  discrete states in  $^{90}\text{Zr}$  populated via the ( $^{17}\text{O}$ ,  $^{17}\text{O}'\gamma$ ) reaction”. *Phys. Rev. C* **91** (2015), 024323.
- [40] J. Diriken, N. Patronis, A. Andreyev, S. Antalic, V. Bildstein, A. Blazhev, I.G. Darby, H. De Witte, J. Eberth, J. Elseviers, V.N. Fedosseev, F. Flavigny, Ch. Fransen, G. Georgiev, R. Gernhäuser, H. Hess, M. Huyse, J. Jolie, Th. Kröll, R. Krücken, R. Lutter, B.A. Marsh, T. Mertzimekis, D. Mücher, R. Orlandi, A. Pakou, R. Raabe, G. Randisi, P. Reiter, T. Roger, M. Seidlitz, M. Seliverstov, C. Sotty, H. Tornqvist, J. Van De Walle, P. Van Duppen, D. Voulot, N. Warr, F. Wenander and K. Wimmer. “Experimental study of the  $^{66}\text{Ni}(d, p)^{67}\text{Ni}$  one-neutron transfer reaction”. *Phys. Rev. C* **91** (2015), 054321.
- [41] L.P. Gaffney, A.P. Robinson, D.G. Jenkins, A. N. Andreyev, M. Bender, A. Blazhev, N. Bree, B. Bruyneel, P.A. Butler, T.E. Cocolios, T. Davinson, A.N. Deacon, H. De Witte, D. DiJulio, J. Diriken, A. Ekström, Ch. Fransen, S.J. Freeman, K. Geibel, T. Grahn, B. Hadinia, M. Hass, P.-H. Heenen, H. Hess, M. Huyse, U. Jakobsson, N. Kesteloot, J. Konki, Th. Kröll, V. Kumar, O. Ivanov, S. Martin-Haugh, D. Mücher, R. Orlandi, J. Pakarinen, A. Petts, P. Peura, P. Rahkila, P. Reiter, M. Scheck, M. Seidlitz, K. Singh, J.F. Smith, J. Van de Walle, P. Van Duppen, D. Voulot, R. Wadsworth, N. Warr, F. Wenander, K. Wimmer, K. Wrzosek-Lipska and M. Zielińska. “Collectivity in the light radon nuclei measured directly via Coulomb excitation”. *Phys. Rev. C* **91** (2015), 064313.
- [42] L.P. Gaffney, J. Van de Walle, B. Bastin, V. Bildstein, A. Blazhev, N. Bree, J. Cederkäll, I. Darby, H. De Witte, D. DiJulio, J. Diriken, V.N. Fedosseev, Ch. Fransen, R. Gernhäuser, A. Gustafsson, H. Hess, M. Huyse, N. Kesteloot, Th. Kröll, R. Lutter, B.A. Marsh, P. Reiter, M. Seidlitz, P. Van Duppen, D. Voulot, N. Warr, F. Wenander, K. Wimmer and K. Wrzosek-Lipska. “Low-energy Coulomb excitation of  $^{62}\text{Fe}$  and  $^{62}\text{Mn}$  following in-beam decay of  $^{62}\text{Mn}$ ”. *Eur. Phys. J. A* **51** (2015), 136.
- [43] N. Kesteloot, B. Bastin, L.P. Gaffney, K. Wrzosek-Lipska, K. Auranen, C. Bauer, M. Bender, V. Bildstein, A. Blazhev, S. Bönig, N. Bree, E. Clément, T. E. Cocolios, A. Damyanova, I. Darby, H. De Witte, D. Di Julio, J. Diriken, C. Fransen, J.E. Garcia-Ramos, R. Gernhäuser, T. Grahn, P.-H. Heenen, H. Hess, K. Heyde, M.

- Huyse, J. Iwanicki, U. Jakobsson, J. Konki, T. Kröll, B. Laurent, N. Lecesne, R. Lutter, J. Pakarinen, P. Peura, E. Piselli, L. Próchniak, P. Rahkila, E. Rapisarda, P. Reiter, M. Scheck, M. Seidlitz, M. Sferrazza, B. Siebeck, M. Sjodin, H. Tornqvist, E. Traykov, J. Van De Walle, P. Van Duppen, M. Vermeulen, D. Voulot, N. Warr, F. Wenander, K. Wimmer and M. Zielińska. “Deformation and mixing of coexisting shapes in neutron-deficient polonium isotopes”. *Phys. Rev. C* **92** (2015), 054301.
- [44] M. Klintefjord, K. Hadyńska-Klęk, J. Samorajczyk, A. Görgen, Ch Droste, J. Srebrny, T. Abraham, C. Bauer, F.L. Bello Garrote, S. Bönig, A. Damyanova, F. Giacoppo, E. Grodner, P. Hoff, M. Kisieliński, M. Komorowska, W. Korten, M. Kowalczyk, J. Kownacki, A.C. Larsen, R. Lutter, T. Marchlewski, P. Napiorkowski, J. Pakarinen, E. Rapisarda, P. Reiter, T. Renstrom, B. Siebeck, S. Siem, A. Stolarz, R. Szenborn, P. Thöle, T. Torny, A. Tucholski, G.M. Tveten, P. Van Duppen, M. J. Vermeulen, N. Warr, H. De Witte and M. Zielińska. “Spectroscopy of low-lying states in  $^{140}\text{Sm}$ ”. *Acta Phys. Pol. B* **46** (2015), 607–611.
- [45] J. Litzinger, A. Blazhev, A. Dewald, F. Didierjean, G. Duchêne, C. Fransen, R. Lozeva, K. Sieja, D. Verney, G. de Angelis, D. Bazzacco, B. Birkenbach, S. Bottoni, A. Bracco, T. Braunroth, B. Cederwall, L. Corradi, F.C.L. Crespi, P. Désesquelles, J. Eberth, E. Ellinger, E. Farnea, E. Fioretto, R. Gernhäuser, A. Goasduff, A. Görgen, A. Gottardo, J. Grębosz, M. Hackstein, H. Hess, F. Ibrahim, J. Jolie, A. Jungclaus, K. Kolos, W. Korten, S. Leoni, S. Lunardi, A. Maj, R. Menegazzo, D. Mengoni, C. Michelagnoli, T. Mijatovic, B. Million, O. Möller, V. Modamio, G. Montagnoli, D. Montanari, A.I. Morales, D.R. Napoli, M. Niikura, G. Pollarolo, A. Pullia, B. Quintana, F. Recchia, P. Reiter, D. Rosso, E. Sahin, M.D. Salsac, F. Scarlassara, P. -A. Soederstroem, A.M. Stefanini, O. Stézowski, S. Szilner, Ch. Theisen, J.J. Valiente Dóbon, V. Vandone and A. Vogt. “Transition probabilities in neutron-rich  $^{84,86}\text{Se}$ ”. *Phys. Rev. C* **92** (2015), 064322.
- [46] R. Orlandi, D. Mucher, R. Raabe, A. Jungclaus, S. D. Pain, V. Bildstein, R. Chapman, G. de Angelis, J. G. Johansen, P. Van Duppen, A.N. Andreyev, S. Bottoni, T.E. Cocolios, H. De Witte, J. Diriken, J. Elseviers, F. Flavigny, L.P. Gaffney, R. Gernhäuser, A. Gottardo, M. Huyse, A. Illana, J. Konki, T. Kröll, R. Krücken, J. F. W. Lane, V. Liberati, B. Marsh, K. Nowak, F. Nowacki, J. Pakarinen, E. Rapisarda, F. Recchia, P. Reiter, T. Roger, E. Sahin, M. Seidlitz, K. Sieja, J.F. Smith, J.J. Valiente Dóbon, M. Von Schmid, D. Voulot, N. Warr, F. K. Wenander and K. Wimmer. “Single-neutron orbits near  $^{78}\text{Ni}$ : Spectroscopy of the  $N = 49$  isotope  $^{79}\text{Zn}$ ”. *Phys. Lett. B* **740** (2015), 298–302.
- [47] E. Sahin, M. Doncel, K. Sieja, G. de Angelis, A. Gadea, B. Quintana, A. Görgen, V. Modamio, D. Mengoni, J.J. Valiente-Dobón, P.R. John, M. Albers, D. Bazzacco, G. Benzoni, B. Birkenbach, B. Cederwall, E. Clément, D. Curien, L. Corradi, P. Désesquelles, A. Dewald, F. Didierjean, G. Duchêne, J. Eberth, M.N. Erduran, E.

- Farnea, E. Fioretto, G. de France, C. Fransen, R. Gernhäuser, A. Gottardo, M. Hackstein, T. Hagen, A. Hernandez-Prieto, H. Hess, T. Hüyük, A. Jungclaus, S. Klupp, W. Korten, A. Kusoglu, S. M. Lenzi, J. Ljungvall, C. Louchart, S. Lunardi, R. Menegazzo, C. Michelagnoli, T. Mijatovic, B. Million, P. Molini, G. Montagnoli, D. Montanari, O. Möller, D.R. Napoli, A. Obertelli, R. Orlandi, G. Pollarolo, A. Pullia, F. Recchia, P. Reiter, D. Rosso, W. Rother, M.-D. Salsac, F. Scarlassara, M. Schlarb, S. Siem, Pushpendra P. Singh, P.-A. Söderström, A.M. Stefanini, O. Stézowski, B. Sulignano, S. Szilner, Ch Theisen, C.A. Ur and M. Yalcinkaya. “Shell evolution beyond  $N = 40$ :  $^{69,71,73}\text{Cu}$ ”. *Phys. Rev. C* **91** (2015), 034302.
- [48] B. Siebeck, M. Seidlitz, A. Blazhev, P. Reiter, R. Altenkirch, C. Bauer, P.A. Butler, H. De Witte, J. Elseviers, L.P. Gaffney, H. Hess, M. Huyse, T. Kröll, R. Lutter, J. Pakarinen, N. Pietralla, F. Radeck, M. Scheck, D. Schneiders, C. Sotty, P. Van Duppen, M. Vermeulen, D. Voulot, N. Warr, F. Wenander and MINIBALL & REX-ISOLDE Collaboratio. “Testing refined shell-model interactions in the  $sd$  shell: Coulomb excitation of  $^{26}\text{Na}$ ”. *Phys. Rev. C* **91** (2015), 014311.
- [49] C. Sotty, M. Zielińska, G. Georgiev, D.L. Balabanski, A.E. Stuchbery, A. Blazhev, N. Bree, R. Chevrier, S. Das Gupta, J.M. Daugas, T. Davinson, H. De Witte, J. Diriken, L.P. Gaffney, K. Geibel, K. Hadyńska-Klęk, F.G. Kondev, J. Konki, T. Kröll, P. Morel, P. Napiorkowski, J. Pakarinen, P. Reiter, M. Scheck, M. Seidlitz, B. Siebeck, G. Simpson, H. Toernqvist, N. Warr and F. Wenander. “ $^{97}_{37}\text{Rb}_{60}$ : The Cornerstone of the Region of Deformation around  $A \sim 100$ ”. *Phys. Rev. Lett.* **115** (2015), 172501.
- [50] C. Stahl, J. Leske, C. Bauer, D. Bazzacco, E. Farnea, A. Gottardo, P.R. John, C. Michelagnoli, N. Pietralla, M. Reese, E. Sahin, B. Birkenbach, A. Bracco, F.C.L. Crespi, G. de Angelis, P. Désesquelles, J. Eberth, A. Gadea, A. Görgen, J. Grębosz, H. Hess, J. Jolie, A. Jungclaus, W. Korten, S. M. Lenzi, S. Lunardi, R. Menegazzo, D. Mengoni, V. Modamio, D.R. Napoli, A. Pullia, B. Quintana, F. Recchia, P. Reiter, D. Rosso, M.D. Salsac, P.-A. Söderström, O. Stézowski, Ch. Theisen, C.A. Ur and J.J. Valiente-Dobón. “Population of the  $2^+_{ms}$  mixed-symmetry state of  $^{140}\text{Ba}$  with the  $\alpha$ -transfer reaction”. *Phys. Rev. C* **92** (2015), 044324.
- [51] R. Stegmann, C. Bauer, G. Rainovski, N. Pietralla, C. Stahl, S. Bönig, S. Ilieva, A. Blazhev, A. Damyanova, M. Danchev, K. Gladnishki, J. Jolie, R. Lutter, J. Pakarinen, D. Radeck, E. Rapisarda, P. Reiter, M. Scheck, B. Siebeck, T. Stora, P. Thöle, T. Thomas, M. Thurauf, M.J. Vermeulen, D. Voulot, N. Warr, F. Wenander, V. Werner and H. De Witte. “Evolution of quadrupole collectivity in  $N = 80$  isotones toward the  $Z = 64$  subshell gap: The  $B(E2; 2^+_1 \rightarrow 0^+_1)$  value of  $^{142}\text{Sm}$ ”. *Phys. Rev. C* **91** (2015), 054326.

- [52] A. Vogt, B. Birkenbach, P. Reiter, L. Corradi, T. Mijatovic, D. Montanari, S. Szilner, D. Bazzacco, M. Bowry, A. Bracco, B. Bruyneel, F.C.L. Crespi, G. de Angelis, P. Désesquelles, J. Eberth, E. Farnea, E. Fioretto, A. Gadea, K. Geibel, A. Gengelbach, A. Giaz, A. Görgen, A. Gottardo, J. Grębosz, H. Hess, P.R. John, J. Jolie, D.S. Judson, A. Jungclaus, W. Korten, S. Leoni, S. Lunardi, R. Menegazzo, D. Mengoni, C. Michelagnoli, G. Montagnoli, D. Napoli, L. Pellegri, G. Pollarolo, A. Pullia, B. Quintana, F. Radeck, F. Recchia, D. Rosso, E. Sahin, M.D. Salsac, F. Scarlassara, P-A Söderström, A.M. Stefanini, T. Steinbach, O. Stézowski, B. Szpak, Ch. Theisen, C. Ur, J.J. Valiente-Dobón, V. Vandone and A. Wiens. “Light and heavy transfer products in  $^{136}\text{Xe} + ^{238}\text{U}$  multinucleon transfer reactions”. *Phys. Rev. C* **92** (2015), 024619.
- [53] S. Bottoni, S. Leoni, B. Fornal, R. Raabe, G. Benzoni, A. Bracco, F.C.L. Crespi, A. Morales, B. Bednarczyk, N. Cieplicka, W. Krolas, A. Maj, B. Szpak, M. Callens, J. Bouma, J. Elseviers, F. Falvigny, R. Orlandi, K. Rusek, P. Reiter, M. Seidlitz, S. Klupp, D. Mücher, G. Georgiev, D. Balabanski, M. Sferrazza, M. Kowalska, E. Rapisarda and MINIBALL-T-REX Collaboration. “ $\gamma$  spectroscopy of neutron-rich nuclei with  $A \approx 100$  produced by cluster transfer reactions at REX-ISOLDE”. *Acta Phys. Pol. B* **45** (2014), 343–347.
- [54] N. Bree, K. Wrzosek-Lipska, A. Petts, A. Andreyev, B. Bastin, M. Bender, A. Blazhev, B. Bruyneel, P.A. Butler, J. Butterworth, M.P. Carpenter, J. Cederkäll, E. Clément, T.E. Cocolios, A. Deacon, J. Diriken, A. Ekström, C. Fitzpatrick, L.M. Fraile, Ch. Fransen, S.J. Freeman, L.P. Gaffney, J.E. Garcia-Ramos, K. Geibel, R. Gernhäuser, T. Grahn, M. Guttormsen, B. Hadinia, K. Hadyńska-Klęk, M. Hass, P.-H. Heenen, R.-D. Herzberg, H. Hess, K. Heyde, M. Huyse, O. Ivanov, D. G. Jenkins, R. Julin, N. Kesteloot, Th. Kröll, R. Krücken, A.C. Larsen, R. Lutter, P. Marley, P.J. Napiorkowski, R. Orlandi, R.D. Page, J. Pakarinen, N. Patronis, P.J. Peura, E. Piselli, P. Rahkila, E. Rapisarda, P. Reiter, A.P. Robinson, M. Scheck, S. Siem, K. Singh Chakkal, J.F. Smith, J. Srebrny, I. Stefanescu, G.M. Tveten, P. Van Duppen, J. Van de Walle, D. Voulot, N. Warr, F. Wenander, A. Wiens, J.L. Wood and M. Zielińska. “Shape Coexistence in the Neutron-Deficient Even-Even  $^{182-188}\text{Hg}$  Isotopes Studied via Coulomb Excitation”. *Phys. Rev. Lett.* **112** (2014), 162701.
- [55] F.C.L. Crespi, A. Bracco, R. Nicolini, D. Mengoni, L. Pellegri, E.G. Lanza, S. Leoni, A. Maj, M. Kmiecik, R. Avigo, G. Benzoni, N. Blasi, C. Boiano, S. Bottoni, S. Brambilla, F. Camera, S. Ceruti, A. Giaz, B. Million, A.I. Morales, V. Vandone, O. Wieland, P. Bednarczyk, M. Ciemała, J. Grębosz, M. Krzysiek, K. Mazurek, M. Ziębliński, D. Bazzacco, M. Bellato, B. Birkenbach, D. Bortolato, E. Calore, B. Cedervall, L. Charles, G. de Angelis, P. Désesquelles, J. Eberth, E. Farnea, A. Gadea, A. Görgen, A. Gottardo, R. Isocrate, J. Jolie, A. Jungclaus, N. Karkour, W. Korten, R. Menegazzo, C. Michelagnoli, P. Molini, D.R. Napoli, A. Pullia, F. Recchia,

- P. Reiter, D. Rosso, E. Sahin, M.D. Salsac, B. Siebeck, S. Siem, J. Simpson, P.-A. Söderström, O. Stézowski, Ch. Theisen, C. Ur and J.J. Valiente-Dobón. “Isospin Character of Low-Lying Pygmy Dipole States in 1208Pb via Inelastic Scattering of  $^{17}\text{O}$  Ions”. *Phys. Rev. Lett.* **113** (2014), 012501.
- [56] J. Diriken, N. Patronis, A.N. Andreyev, S. Antalic, V. Bildstein, A. Blazhev, I.G. Darby, H. De Witte, J. Eberth, J. Elseviers, V.N. Fedosseev, F. Flavigny, Ch. Fransen, G. Georgiev, R. Gernhäuser, H. Hess, M. Huyse, J. Jolie, Th. Kröll, R. Krücken, R. Lutter, B.A. Marsh, T. Mertzimekis, D. Mücher, F. Nowacki, R. Orlandi, A. Pakou, R. Raabe, G. Randisi, P. Reiter, T. Roger, M. Seidlitz, M. Seliverstov, K. Sieja, C. Sotty, H. Tornqvist, J. Van De Walle, P. Van Duppen, D. Voulot, N. Warr, F. Wenander and K. Wimmer. “Study of the deformation-driving  $\nu d_{5/2}$  orbital in  $^{67}_{28}\text{Ni}_{39}$  using one-neutron transfer reactions”. *Phys. Lett. B* **736** (2014), 533–538.
- [57] Greg Henning, T.L. Khoo, A. Lopez-Martens, D. Seweryniak, M. Alcorta, M. Asai, B.B. Back, P. F. Bertone, D. Boilley, M.P. Carpenter, C.J. Chiara, P. Chowdhury, B. Gall, P.T. Greenlees, G. Guerdal, K. Hauschild, A. Heinz, C.R. Hoffman, R.V.F. Janssens, A.V. Karpov, B.P. Kay, F.G. Kondev, S. Lakshmi, T. Lauritsen, C.J. Lister, E.A. McCutchan, C. Nair, J. Piot, D. Potterveld, P. Reiter, A.M. Rogers, N. Rowley and S. Zhu. “Fission Barrier of Superheavy Nuclei and Persistence of Shell Effects at High Spin: Cases of  $^{254}\text{No}$  and  $^{220}\text{Th}$ ”. *Phys. Rev. Lett.* **113** (2014), 262505.
- [58] S. Ilieva, M. Thürauf, Th. Kröll, R. Krücken, T. Behrens, V. Bildstein, A. Blazhev, S. Bönig, P.A. Butler, J. Cederkäll, T. Davinson, P. Delahaye, J. Diriken, A. Ekström, F. Finke, L.M. Fraile, S. Franchoo, Ch. Fransen, G. Georgiev, R. Gernhäuser, D. Habs, H. Hess, A.M. Hurst, M. Huyse, O. Ivanov, J. Iwanicki, P. Kent, O. Kester, U. Köster, R. Lutter, M. Mahgoub, D. Martin, P. Mayet, P. Maierbeck, T. Morgan, O. Niedermeier, M. Pantea, P. Reiter, T.R. Rodríguez, Th. Rolke, H. Scheit, A. Scherillo, D. Schwalm, M. Seidlitz, T. Sieber, G.S. Simpson, I. Stefanescu, S. Thiel, P.G. Thirolf, J. Van de Walle, P. Van Duppen, D. Voulot, N. Warr, W. Weinzierl, D. Weisshaar, F. Wenander, A. Wiens and S. Winkler. “Coulomb excitation of neutron-rich Cd isotopes”. *Phys. Rev. C* **89** (2014), 014313.
- [59] A. Illana, A. Jungclaus, R. Orlandi, A. Perea, C. Bauer, J. A. Briz, J.L. Egido, R. Gernhäuser, J. Leske, D. Mücher, J. Pakarinen, N. Pietralla, M. Rajabali, T.R. Rodríguez, D. Seiler, C. Stahl, D. Voulot, F. Wenander, A. Blazhev, H. De Witte, P. Reiter, M. Seidlitz, B. Siebeck, M.J. Vermeulen and N. Warr. “Low-velocity transient-field technique with radioactive ion beams:  $g$  factor of the first excited  $2^+$  state in  $^{72}\text{Zn}$ ”. *Phys. Rev. C* **89** (2014), 054316.

- [60] P.R. John, V. Modamio, J.J. Valiente-Dobón, D. Mengoni, S. Lunardi, T.R. Rodríguez, D. Bazzacco, A. Gadea, C. Wheldon, T. Alexander, G. de Angelis, N. Ashwood, M. Barr, G. Benzoni, B. Birkenbach, P.G. Bizzeti, A.M. Bizzeti-Sona, S. Bottoni, M. Bowry, A. Bracco, F. Browne, M. Bunce, F. Camera, B. Cederwall, L. Corradi, F.C.L. Crespi, P. Désesquelles, J. Eberth, E. Farnea, E. Fioretto, A. Görgen, A. Gottardo, J. Grębosz, L. Grente, H. Hess, A. Jungclaus, Tz. Kokalova, A. Korichi, W. Korten, A. Kusoglu, S. Lenzi, S. Leoni, J. Ljungvall, G. Maron, W. Męczyński, B. Melon, R. Menegazzo, C. Michelagnoli, T. Mijatovic, B. Million, P. Molini, G. Montagnoli, D. Montanari, D.R. Napoli, P. Nolan, Ch. Oziol, Zs. Podolyák, G. Pollarolo, A. Pullia, B. Quintana, F. Recchia, P. Reiter, O.J. Roberts, D. Rosso, E. Sahin, M.-D. Salsac, F. Scarlassara, M. Sferrazza, J. Simpson, P.-A. Söderström, A. M. Stefanini, O. Stézowski, S. Szilner, Ch. Theisen, C.A. Ur and J. Walshe. “Shape evolution in the neutron-rich osmium isotopes: Prompt  $\gamma$ -ray spectroscopy of  $^{196}\text{Os}$ ”. *Phys. Rev. C* **90** (2014), 021301.
- [61] M. Krzysiek, M. Kmiecik, A. Maj, P. Bednarczyk, M. Ciemała, B. Fornal, J. Grębosz, K. Mazurek, W. Męczyński, M. Ziębliński, F.C.L. Crespi, A. Bracco, G. Benzoni, N. Blasi, C. Boiano, S. Bottoni, S. Brambilla, F. Camera, A. Giaz, S. Leoni, B. Million, A.I. Morales, R. Nicolini, L. Pellegri, S. Riboldi, V. Vandone, O. Wieland, G. De Angelis, D.R. Napoli, J. J. Valiente-Dobón, D. Bazzacco, E. Farnea, A. Gottardo, S. Lenzi, S. Lunardi, D. Mengoni, C. Michelagnoli, F. Recchia, C. Ur, A. Gadea, T. Huyuk, D. Barrientos, B. Birkenbach, K. Geibel, H. Hess, P. Reiter, T. Steinbach, A. Wiens, A. Bürger, A. Görgen, M. Guttormsen, A.C. Larsen and S. Siem. “Study of the soft dipole modes in  $^{140}\text{Ce}$  via inelastic scattering of  $^{17}\text{O}$ ”. *PHYSICA SCRIPTA* **89** (2014), 054016.
- [62] L. Pellegri, A. Bracco, F.C.L. Crespi, S. Leoni, F. Camera, E.G. Lanza, M. Kmiecik, A. Maj, R. Avigo, G. Benzoni, N. a Blasi, C. Boiano, S. Bottoni, S. Brambilla, S. Ceruti, A. Giaz, B. Million, A.I. Morales, R. Nicolini, V. Vandone, O. Wieland, D. Bazzacco, P. Bednarczyk, M. Bellato, B. Birkenbach, D. Bortolato, B. Cederwall, L. Charles, M. Ciemała, G. De Angelis, P. Désesquelles, J. Eberth, E. Farnea, A. Gadea, R. Gernhäuser, A. Görgen, A. Gottardo, J. Grębosz, H. Hess, R. Isocrate, J. Jolie, D. Judson, A. Jungclaus, N. Karkour, M. Krzysiek, E. Litvinova, S. Lunardi, K. Mazurek, D. Mengoni, C. Michelagnoli, R. Menegazzo, P. Molini, D.R. Napoli, A. Pullia, B. Quintana, F. Recchia, P. Reiter, M.D. Salsac, B. Siebeck, S. Siem, J. Simpson, P.-A. Söderström, O. Stézowski, Ch. Theisen, C. Ur, J.J. Valiente Dóbon and M. Ziębliński. “Pygmy dipole resonance in  $^{124}\text{Sn}$  populated by inelastic scattering of  $^{17}\text{O}$ ”. *Phys. Lett. B* **738** (2014), 519–523.
- [63] M. Seidlitz, P. Reiter, R. Altenkirch, B. Bastin, C. Bauer, A. Blazhev, N. Bree, B. Bruyneel, P.A. Butler, J. Cederkäll, T. Davinson, H. De Witte, D.D. DiJulio, J. Diriken, L.P. Gaffney, K. Geibel, G. Georgiev, R. Gernhäuser, M. Huyse, N. Kesteloot, T. Kröll, R. Krücken, R. Lutter, J. Pakarinen, F. Radeck, M. Scheck,



- D. Schneiders, B. Siebeck, C. Sotty, T. Steinbach, J. Taprogge, P. Van Duppen, J. Van de Walle, D. Voulot, N. Warr, F. Wenander, K. Wimmer, P.J. Woods and K. Wrzosek-Lipska. “Coulomb excitation of  $^{29,30}\text{Na}$ : Mapping the borders of the island of inversion”. *Phys. Rev. C* 89 (2014), 024309.
- [64] A. Wendt, J. Taprogge, P. Reiter, P. Golubev, H. Grawe, S. Pietri, P. Boutachkov, A. Algora, F. Ameil, M.A. Bentley, A. Blazhev, D. Bloor, N.S. Bondili, M. Bowry, A. Bracco, N. Braun, F. Camera, J. Cederkäll, F. Crespi, A. de la Salle, D. Di-Julio, P. Doornenbal, K. Geibel, J. Gellanki, J. Gerl, J. Grębosz, G. Guastalla, T. Habermann, M. Hackstein, R. Hoischen, A. Jungclaus, E. Merchán, B. Million, A. Morales, K. Moschner, Zs. Podolyák, N. Pietralla, D. Ralet, M. Reese, D. Rudolph, L. Scruton, B. Siebeck, N. Warr, O. Wieland and H.J. Wollersheim. “Isospin symmetry in the *sd* shell: Transition strengths in the neutron-deficient *sd* shell nucleus  $^{33}\text{Ar}$ ”. *Phys. Rev. C* 90 (2014), 054301.
- [65] M. Albers, K. Nomura, N. Warr, A. Blazhev, J. Jolie, D. Mücher, B. Bastin, C. Bauer, C. Bernards, L. Bettermann, V. Bildstein, J. Butterworth, M. Cappellazzo, J. Cederkäll, D. Cline, I. Darby, S. Das Gupta, J.M. Daugas, T. Davinson, H. De Witte, J. Diriken, D. Filipescu, E. Fiori, C. Fransen, L.P. Gaffney, G. Georgiev, R. Gernhäuser, M. Hackstein, S. Heinze, H. Hess, M. Huyse, D. Jenkins, J. Konki, M. Kowalczyk, T. Kröll, R. Krücken, J. Litzinger, R. Lutter, N. Mărginean, C. Mihai, K. Moschner, P. Napiorkowski, B.S. Nara Singh, K. Nowak, J. Pakarinen, M. Pfeiffer, D. Radeck, P. Reiter, S. Rigby, L.M. Robledo, R. Rodríguez-Guzmán, M. Rudigier, M. Scheck, M. Seidlitz, B. Siebeck, G.S. Simpson, P. Thöle, T. Thomas, J. Van de Walle, P. Van Duppen, M. Vermeulen, D. Voulot, R. Wadsworth, F. Wenander, K. Wimmer, K. O. Zell and M. Zielińska. “Shape dynamics in neutron-rich Kr isotopes: Coulomb excitation of  $^{92}\text{Kr}$ ,  $^{94}\text{Kr}$  and  $^{96}\text{Kr}$ ”. *Nucl. Phys. A* 899 (2013), 1–28.
- [66] C. Bauer, G. Rainovski, N. Pietralla, D. Bianco, A. Blazhev, T. Bloch, S. Bönig, A. Damyanova, M. Danchev, K. A. Gladnishki, T. Kröll, J. Leske, N. Lo Iudice, T. Möller, K. Moschner, J. Pakarinen, P. Reiter, M. Scheck, M. Seidlitz, B. Siebeck, C. Stahl, R. Stegmann, T. Stora, Ch. Stoyanov, D. Tarpanov, M.J. Vermeulen, D. Voulot, N. Warr, F. Wenander, V. Werner and H. De Witte. “Local suppression of collectivity in the  $N = 80$  isotones at the  $Z = 58$  subshell closure”. *Phys. Rev. C* 88 (2013), 021302.
- [67] B. Bruyneel, B. Birkenbach, J. Eberth, H. Hess, Gh. Pascovici, P. Reiter, A. Wiens, D. Bazzacco, E. Farnea, C. Michelagnoli, F. Recchia and AGATA Collaboration. “Correction for hole trapping in AGATA detectors using pulse shape analysis”. *Eur. Phys. J. A* 49 (2013), 61.

- [68] F.C.L. Crespi, R. Avigo, F. Camera, S. Akkoyun, A. Atac, D. Bazzacco, M. Bellato, G. Benzoni, N. Blasi, D. Bortolato, S. Bottoni, A. Bracco, S. Brambilla, B. Bruyneel, S. Ceruti, M. Ciemała, S. Coelli, J. Eberth, C. Fanin, E. Farnea, A. Gadea, A. Giaz, A. Gottardo, H. Hess, M. Kmiecik, S. Leoni, A. Maj, D. Mengoni, C. Michelagnoli, B. Million, D. Montanari, R. Nicolini, L. Pellegrini, F. Recchia, P. Reiter, S. Riboldi, C.A. Ur, V. Vandone, J.J. Valiente-Dobón, O. Wieland, A. Wiens and AGATA Collaboration. “Response of AGATA segmented HPGe detectors to  $\gamma$  rays up to 15.1 MeV”. *Nucl. Instrum. Methods Phys. Res. A* **705** (2013), 47–54.
- [69] D.D. DiJulio, J. Cederkäll, C. Fahlander, A. Ekström, M. Hjorth-Jensen, M. Albers, V. Bildstein, A. Blazhev, I. Darby, T. Davinson, H. De Witte, J. Diriken, Ch. Fransen, K. Geibel, R. Gernhäuser, A. Görgen, H. Hess, K. Heyde, J. Iwanicki, R. Lutter, P. Reiter, M. Scheck, M. Seidlitz, S. Siem, J. Taprogge, G.M. Tveten, J. Van de Walle, D. Voulot, N. Warr, F. Wenander and K. Wimmer. “Coulomb excitation of  $^{107}\text{In}$ ”. *Phys. Rev. C* **87** (2013), 017301.
- [70] L.P. Gaffney, P.A. Butler, M. Scheck, A.B. Hayes, F. Wenander, M. Albers, B. Bastin, C. Bauer, A. Blazhev, S. Bönig, N. Bree, J. Cederkäll, T. Chupp, D. Cline, T.E. Cocolios, T. Davinson, H. DeWitte, J. Diriken, T. Grahn, A. Herzan, M. Huyse, D.G. Jenkins, D.T. Joss, N. Kesteloot, J. Konki, M. Kowalczyk, Th. Kröll, E. Kwan, R. Lutter, K. Moschner, P. Napiorkowski, J. Pakarinen, M. Pfeiffer, D. Radeck, P. Reiter, K. Reynders, S. V. Rigby, L.M. Robledo, M. Rudigier, S. Sambhi, M. Seidlitz, B. Siebeck, T. Stora, P. Thöle, P. Van Duppen, M.J. Vermeulen, M. von Schmid, D. Voulot, N. Warr, K. Wimmer, K. Wrzosek-Lipska, C.Y. Wu and M. Zielińska. “Studies of pear-shaped nuclei using accelerated radioactive beams”. *Nature* **497** (2013), 199–204.
- [71] P. Golubev, A. Wendt, L. Scruton, J. Taprogge, D. Rudolph, P. Reiter, M.A. Bentley, V. Avdeichikov, P. Boutachkov, S. P. Fox, J. Gerl, Ch. Görgen, R. Hoischen, N. Kurz, B.S. Nara Singh, G. Pascovici, S. Pietri, H. Schaffner, M.J. Taylor, S. Thiel and H.J. Wollersheim. “The Lund-York-Cologne Calorimeter (LYCCA): Concept, design and prototype developments for a FAIR-NUSTAR detector system to discriminate relativistic heavy-ion reaction products”. *Nucl. Instrum. Methods Phys. Res. A* **723** (2013), 55–66.
- [72] G. Guastalla, D.D. DiJulio, M. Górska, J. Cederkäll, P. Boutachkov, P. Golubev, S. Pietri, H. Grawe, F. Nowacki, K. Sieja, A. Algora, F. Ameil, T. Arici, A. Atac, M.A. Bentley, A. Blazhev, D. Bloor, S. Brambilla, N. Braun, F. Camera, Zs. Dombrádi, C. Domingo Pardo, A. Estrade, F. Farinon, J. Gerl, N. Goel, J. Grębosz, T. Habermann, R. Hoischen, K. Jansson, J. Jolie, A. Jungclauss, I. Kojouharov, R. Knoebel, R. Kumar, J. Kurcewicz, N. Kurz, N. Lalović, E. Merchán, K. Moschner, F. Naqvi, B.S. Nara Singh, J. Nyberg, C. Nociforo, A. Obertelli, M. Pfützner, N. Pietralla, Z. Podolyák, A. Prochazka, D. Ralet, P. Reiter, D. Rudolph, H. Schaffner, F. Schirru,

- L. Scruton, D. Sohler, T. Swaleh, J. Taprogge, Zs. Vajta, R. Wadsworth, N. Warr, H. Weick, A. Wendt, O. Wieland, J.S. Winfield and H.J. Wollersheim. “Coulomb Excitation of  $^{104}\text{Sn}$  and the Strength of the  $^{100}\text{Sn}$  Shell Closure”. *Phys. Rev. Lett.* **110** (2013), 172501.
- [73] K. Hadyńska-Klęk, P.J. Napiorkowski, A. Maj, F. Azaiez, M. Kicińska-Habior, J.J. Valiente-Dobón, G. de Angelis, T. Abraham, G. Anil Kumar, B. -Q. Arnes, D. Baz-zacco, 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. Désesquelles, B. Dulny, J. Eberth, E. Farnea, B. Fornal, S. Franchoo, A. Gadea, A. Giaz, A. Gottardo, X. Grave, J. Grębosz, M. Gulmini, T. Habermann, R. Isocrate, J. Iwanicki, G. Jaworski, A. Jungclaus, N. Karkour, M. Kmiecik, D. Karpiński, M. Kisieliński, 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. Merchán, W. Męczyński, C. Michelagnoli, J. Mierzejewski, B. Million, P. Molini, S. Myalski, D.R. Napoli, R. Nicolini, M. Niikura, A. Obertelli, S.F. Özmen, M. Palacz, A. Pullia, G. Rampazzo, F. Recchia, N. Redon, P. Reiter, D. Rosso, K. Rusek, E. Sahin, M.-D. Salsac, P.-A. Söderström, J. Srebrny, I. Stefan, O. Stézowski, J. Styczeń, Ch Theisen, N. Toniolo, C.A. Ur, V. Vandone, R. Wadsworth, B. Wasilewska, A. Wiens, K. Wrzosek-Lipska, M. Zielińska and M. Ziębliński. “Towards the determination of superdeformation in  $^{42}\text{Ca}$ ”. *Acta Phys. Pol. B* **44** (2013), 617–625.
- [74] T. Kotthaus, P. Reiter, B. Bruyneel, M. Chatzistamatiou, J. Eberth, G. Gersch, H. Hess, I. Stefanescu, N. Warr, D. Weisshaar, A. Wiens, T. Morgan, R. Lutter, W. Schwerdtfeger, P.G. Thirolf, P. Bringel, H. Hübel and A. Neusser-Neffgen. “Spectroscopy of excited states in  $^{234}\text{U}$  and search for a two-phonon state in  $^{234}\text{U}$ ”. *Phys. Rev. C* **88** (2013), 064306.
- [75] T. Kotthaus, P. Reiter, H. Hess, M. Kalkühler, A. Wendt, A. Wiens, R. Hertenberg, T. Morgan, P.G. Thirolf, H.-F. Wirth and T. Faestermann. “Excited states of the odd-odd nucleus  $^{230}\text{Pa}$ ”. *Phys. Rev. C* **87** (2013), 044322.
- [76] S. Lalkovski, A.M. Bruce, A. Jungclaus, M. Górska, M. Pfützner, L. Caceres, F. Naqvi, S. Pietri, Zs. Podolyák, G.S. Simpson, K. Andgren, P. Bednarczyk, T. Beck, J. Benlliure, G. Benzoni, E. Casarejos, B. Cederwall, F.C.L. Crespi, J.J. Cuenca-Garcia, I.J. Cullen, A.M. Denis Bacelar, P. Detistov, P. Doornenbal, G. F. Farrelly, A.B. Garnsworthy, H. Geissel, W. Gelletly, J. Gerl, J. Grębosz, B. Hadinia, M. Hellström, C. Hinke, R. Hoischen, G. Ilie, G. Jaworski, J. Jolie, A. Khaplanov, S. Kisiov, M. Kmiecik, I. Kojouharov, R. Kumar, N. Kurz, A. Maj, S. Mandal, V. Modamio, F. Montes, S. Myalski, M. Palacz, W. Prokopowicz, P. Reiter, P.H. Regan, D. Rudolph, H. Schaffner, D. Sohler, S.J. Steer, S. Tashenov, J. Walker,

- P.M. Walker, H. Weick, E. Werner-Malento, O. Wieland, H.J. Wollersheim and M. Zhekova. “Core-coupled states and split proton-neutron quasiparticle multiplets in  $^{122-126}\text{Ag}$ ”. *Phys. Rev. C* **87** (2013), 034308.
- [77] C. Louchart, A. Obertelli, A. Görgen, W. Korten, D. Bazzacco, B. Birkenbach, B. Bruyneel, E. Clément, P.J. Coleman-Smith, L. Corradi, D. Curien, G. de Angelis, G. de France, J.-P. Delaroche, A. Dewald, F. Didierjean, M. Doncel, G. Duchêne, J. Eberth, M.N. Erduran, E. Farnea, C. Finck, E. Fioretto, C. Fransen, A. Gadea, M. Girod, A. Gottardo, J. Grębosz, T. Habermann, M. Hackstein, T. Huyuk, J. Jolie, D. Judson, A. Jungclaus, N. Karkour, S. Klupp, R. Krücken, A. Kusoglu, S. M. Lenzi, J. Libert, J. Ljungvall, S. Lunardi, G. Maron, R. Menegazzo, D. Mengoni, C. Michelagnoli, B. Million, P. Molini, O. Möller, 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. Söderström, A.M. Stefanini, O. Stézowski, B. Sulignano, S. Szilner, Ch. Theisen, C.A. Ur, J.J. Valiente-Dobón and M. Zielińska. “Collective nature of low-lying excitations in  $^{70,72,74}\text{Zn}$  from lifetime measurements using the AGATA spectrometer demonstrator”. *Phys. Rev. C* **87** (2013), 054302.
- [78] V. Modamio, J.J. Valiente-Dobón, S. Lunardi, S. M. Lenzi, A. Gadea, D. Mengoni, D. Bazzacco, A. Algora, P. Bednarczyk, G. Benzoni, B. Birkenbach, A. Bracco, B. Bruyneel, A. Bürger, J. Chavas, L. Corradi, F.C.L. Crespi, G. de Angelis, P. Désesquelles, G. de France, R. Depalo, A. Dewald, M. Doncel, M.N. Erduran, E. Farnea, E. Fioretto, Ch. Fransen, K. Geibel, A. Gottardo, A. Görgen, T. Habermann, M. Hackstein, H. Hess, T. Hüyük, 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. Möller, G. Montagnoli, D. Montanari, A. Nannini, D. R. Napoli, Zs. Podolyák, 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. Söderström, A.M. Stefanini, O. Stézowski, S. Szilner, Ch. Theisen, B. Travers and C.A. Ur. “Lifetime measurements in neutron-rich  $^{63,65}\text{Co}$  isotopes using the AGATA demonstrator”. *Phys. Rev. C* **88** (2013), 044326.
- [79] 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-Dobón, 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. Hüyük, N. Cieplicka, A. Maj, M. Kmiecik, A. Atac, S. Akkoyun, A. Kaskas, P.-A. Soederstroem, B. Birkenbach, B. Cederwall, P.J. Coleman-Smith, D. M. Cullen, P. Désesquelles, J. Eberth, A. Görgen, J. Grębosz, H. Hess, D. Judson, A. Jungclaus, N. Karkour, P. Nolan, A. Obertelli, P. Reiter, M.D. Salsac, O. Stézowski, Ch. Theisen, M. Matsuo and E.

- Vigezzi. “Global properties of K hindrance probed by the  $\gamma$  decay of the warm rotating  $^{174}\text{W}$  nucleus”. *Phys. Rev. C* **88** (2013), 034312.
- [80] N. Warr, J. Van de Walle, M. Albers, F. Ames, B. Bastin, C. Bauer, V. Bildstein, A. Blazhev, S. Bönig, N. Bree, B. Bruyneel, P.A. Butler, J. Cederkäll, E. Clément, T.E. Cocolios, T. Davinson, H. De Witte, P. Delahaye, D.D. DiJulio, J. Diriken, J. Eberth, A. Ekström, J. Elseviers, S. Emhofer, D.V. Fedorov, V.N. Fedosseev, S. Franchoo, C. Fransen, L.P. Gaffney, J. Gerl, G. Georgiev, R. Gernhäuser, T. Grahn, D. Habs, H. Hess, A.M. Hurst, M. Huyse, O. Ivanov, J. Iwanicki, D.G. Jenkins, J. Jolie, N. Kesteloot, O. Kester, U. Köster, M. Krauth, T. Kröll, R. Krücken, M. Lauer, J. Leske, K. P. Lieb, R. Lutter, L. Maier, B. A. Marsh, D. Mücher, M. Muench, O. Niedermaier, J. Pakarinen, M. Pantea, G. Pascovici, N. Patronis, D. Pauwels, A. Petts, N. Pietralla, R. Raabe, E. Rapisarda, P. Reiter, A. Richter, O. Schaile, M. Scheck, H. Scheit, G. Schrieder, D. Schwalm, M. Seidlitz, M. Seliverstov, T. Sieber, H. Simon, K. -H. Speidel, C. Stahl, I. Stefanescu, P.G. Thirolf, H. - G. Thomas, M. Thürauf, P. Van Duppen, D. Voulot, R. Wadsworth, G. Walter, D. Weisshaar, F. Wenander, A. Wiens, K. Wimmer, B. H. Wolf, P.J. Woods, K. Wrzosek-Lipska and K. O. Zell. “The Miniball spectrometer”. *Eur. Phys.J. A* **49** (2013), 40.
- [81] A. Wiens, B. Birkenbach, B. Bruyneel, J. Eberth, H. Hess, Gh Pascovici, P. Reiter, D. Bazzacco, E. Farnea, C. Michelagnoli, F. Recchia and AGATA Collaboration. “Improved energy resolution of highly segmented HPGe detectors by noise reduction”. *Eur. Phys.J. A* **49** (2013), 47.
- [82] 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. Bürger, S. Cabaret, B. Cahan, E. Calore, F. Camera, A. Capsoni, F. Carrió, G. Casati, M. Castoldi, B. Cederwall, J. -L. Cercus, V. Chambert, M. El Chambit, R. Chapman, L. Charles, J. Chavas, E. Clément, 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. Descombes, P. Désesquelles, P. Detistov, C. Diarra, F. Didierjean, M. R. Dimmock, Q. T. Doan, C. Domingo-Pardo, M. Doncel, F. Dorangeville, N. Dosme, Y. Drouen, G. Duchêne, 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, Ch. Finck, G. de France, A.

Gadea, W. Gast, A. Geraci, J. Gerl, R. Gernhäuser, A. Giannatiempo, A. Giaz, L. Gibelin, A. Givechev, N. Goel, V. González, A. Gottardo, X. Grave, J. Grębosz, R. Griffiths, A.N. Grint, P. Gros, L. Guevara, M. Gulmini, A. Görgen, H.T.M. Ha, T. Habermann, L.J. Harkness, H. Harroch, K. Hauschild, C. He, A. Hernandez-Prieto, B. Hervieu, H. Hess, T. Hüyük, E. Ince, R. Isocrate, G. Jaworski, A. Johnson, J. Jolie, P. Jones, B. Jonson, P. Joshi, D.S. Judson, A. Jungclaus, 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, Th. Kröll, R. Krücken, 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. Lermilage, 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. Mărginean, R. Marginean, G. Maron, A. R. Mather, W. Męczyński, V. Mendez, P. Medina, B. Melon, R. Menegazzo, D. Mengoni, E. Merchán, 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. Möller, 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. Podolyák, 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. Stézowski, J. Strachan, G. Suliman, P.-A. Söderström, J.L. Tain, S. Tanguy, S. Tashenov, Ch. 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-Dobón, V. Vandone, E. Vardaci, R. Venturelli, F. Veronese, Ch. 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. Ziębliński, A. Zucchiatti and AGATA Adv GAMMA Tracking Array. “AGATA-Advanced GAMMA Tracking Array”. *Nucl. Instrum. Methods Phys. Res. A* 668 (2012), 26–58.

- [83] M. Albers, N. Warr, K. Nomura, A. Blazhev, J. Jolie, D. Mücher, B. Bastin, C. Bauer, C. Bernardis, L. Bettermann, V. Bildstein, J. Butterworth, M. Cappellazzo, J. Cederkäll, D. Cline, I. Darby, S. Das Gupta, J.M. Daugas, T. Davinson, H. De Witte, J. Diriken, D. Filipescu, E. Fiori, C. Fransen, L.P. Gaffney, G. Georgiev, R.

- Gernhäuser, M. Hackstein, S. Heinze, H. Hess, M. Huyse, D. Jenkins, J. Konki, M. Kowalczyk, T. Kröll, R. Krücken, J. Litzinger, R. Lutter, N. Mărginean, C. Mihai, K. Moschner, P. Napiorkowski, B.S. Nara Singh, K. Nowak, T. Otsuka, J. Pakarinen, M. Pfeiffer, D. Radeck, P. Reiter, S. Rigby, L. M. Robledo, R. Rodríguez-Guzmán, M. Rudigier, P. Sarriguren, M. Scheck, M. Seidlitz, B. Siebeck, G. Simpson, P. Thoele, T. Thomas, J. Van de Walle, P. Van Duppen, M. Vermeulen, D. Voulot, R. Wadsworth, F. Wenander, K. Wimmer, K. O. Zell and M. Zielińska. “Evidence for a Smooth Onset of Deformation in the Neutron-Rich Kr Isotopes”. *Phys. Rev. Lett.* **108** (2012), 062701.
- [84] D.D. DiJulio, J. Cederkäll, C. Fahlander, A. Ekström, M. Hjorth-Jensen, M. Albers, V. Bildstein, A. Blazhev, I. Darby, T. Davinson, H. De Witte, J. Diriken, Ch. Fransen, K. Geibel, R. Gernhäuser, A. Görgen, H. Hess, J. Iwanicki, R. Lutter, P. Reiter, M. Scheck, M. Seidlitz, S. Siem, J. Taprogge, G.M. Tveten, J. Van de Walle, D. Voulot, N. Warr, F. Wenander and K. Wimmer. “Coulomb excitation of  $^{107}\text{Sn}$ ”. *Eur. Phys. J. A* **48** (2012), 105.
- [85] D.D. DiJulio, J. Cederkäll, C. Fahlander, A. Ekström, M. Hjorth-Jensen, M. Albers, V. Bildstein, A. Blazhev, I. Darby, T. Davinson, H. De Witte, J. Diriken, Ch. Fransen, K. Geibel, R. Gernhäuser, A. Görgen, H. Hess, J. Iwanicki, R. Lutter, P. Reiter, M. Scheck, M. Seidlitz, S. Siem, J. Taprogge, G.M. Tveten, J. Van de Walle, D. Voulot, N. Warr, F. Wenander and K. Wimmer. “Excitation strengths in  $^{109}\text{Sn}$ : Single-neutron and collective excitations near  $^{100}\text{Sn}$ ”. *Phys. Rev. C* **86** (2012), 031302.
- [86] M. Grieser, Yu. A. Litvinov, R. Raabe, K. Blaum, Y. Blumenfeld, P.A. Butler, F. Wenander, P.J. Woods, M. Aliotta, A. Andreyev, A. Artemyev, D. Atanasov, T. Aumann, D. Balabanski, A. Barzakh, L. Batist, A.-P. Bernardes, D. Bernhardt, J. Billowes, S. Bishop, M. Borge, I. Borzov, F. Bosch, A.J. Boston, C. Brandau, W. Catford, R. Catherall, J. Cederkäll, D. Cullen, T. Davinson, I. Dillmann, C. Dimopoulou, G. Dracoulis, Ch. E. Duellmann, P. Egelhof, A. Estrade, D. Fischer, K. Flanagan, L. Fraile, M.A. Fraser, S.J. Freeman, H. Geissel, J. Gerl, P. Greenlees, R.E. Grisenti, D. Habs, R. von Hahn, S. Hagmann, M. Hausmann, J.J. He, M. Heil, M. Huyse, D. Jenkins, A. Jokinen, B. Jonson, D.T. Joss, Y. Kadi, N. Kalantar-Nayestanaki, B.P. Kay, O. Kiselev, H.-J. Kluge, M. Kowalska, C. Kozhuharov, S. Kreim, T. Kröll, J. Kurcewicz, M. Labiche, R.C. Lemmon, M. Lestinsky, G. Lotay, X.W. Ma, M. Marta, J. Meng, D. Mücher, I. Mukha, A. Mueller, A. St J. Murphy, G. Neyens, T. Nilsson, C. Nociforo, W. Noertershaeuser, R.D. Page, M. Pasini, N. Petridis, N. Pietralla, M. Pfützner, Z. Podolyák, P. Regan, M. W. Reed, R. Reifarth, P. Reiter, R. Repnow, K. Riisager, B. Rubio, M. S. Sanjari, D.W. Savin, C. Scheidenberger, S. Schippers, D. Schneider, R. Schuch, D. Schwalm, L. Schweikhard, D. Shubina, E. Siesling, H. Simon, J. Simpson, J. Smith, K. Sonnabend, M. Steck, T. Stora, T. Stoehlker, B. Sun, A. Surzhykov, F. Suzuki, O. Tarasov, S. Trotsenko, X.L.

- Tu, P. Van Duppen, C. Volpe, D. Voulot, P.M. Walker, E. Wildner, N. Winckler, D.F.A. Winters, A. Wolf, H.S. Xu, A. Yakushev, T. Yamaguchi, Y.J. Yuan, Y.H. Zhang and K. Zuber. “Storage ring at HIE-ISOLDE Technical design report”. *Eur. Phys. J. ST* 207 (2012), 1–117.
- [87] T. Kotthaus, P. Reiter, H. Hess, M. Kalkühler, A. Wendt, A. Wiens, R. Hertenberg, T. Morgan, P.G. Thirolf, H.-F. Wirth and T. Faestermann. “Energy splitting between the first two quasi-particle states in  $^{230}\text{Pa}$  in comparison with the isotope  $^{229}\text{Th}$ ”. *Phys. Lett. B* 718 (2012), 460–464.
- [88] B.S. Nara Singh, T. S. Brock, R. Wadsworth, H. Grawe, P. Boutachkov, N. Braun, A. Blazhev, Z. Liu, M. Górska, S. Pietri, D. Rudolph, C. Domingo-Pardo, S.J. Steer, A. Atac, L. Bettermann, L. Caceres, T. Engert, T. Faestermann, F. Farinon, F. Finke, K. Geibel, J. Gerl, R. Gernhäuser, N. Goel, A. Gottardo, J. Grębosz, C. Hinke, R. Hoischen, G. Ilie, H. Iwasaki, J. Jolie, A. Kaskas, I. Kojouharov, R. Krücken, N. Kurz, E. Merchán, C. Nociforo, J. Nyberg, M. Pfützner, A. Prochazka, Zs. Podolyák, P.H. Regan, P. Reiter, S. Rinta-Antila, C. Scholl, H. Schaffner, P.-A. Söderström, N. Warr, H. Weick, H.-J. Wollersheim, P.J. Woods and F. Nowacki. “Influence of the  $np$  interaction on the  $\beta$  decay of  $^{94}\text{Pd}$ ”. *Phys. Rev. C* 86 (2012), 041301.
- [89] P.-A. Söderström, 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. Désesquelles, N. Dosme, G. Duchêne, J. Eberth, E. Farnea, F. Filmer, A. Gørgen, A. Gottardo, J. Grębosz, 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. Męczyński, R. Menegazzo, D. Mengoni, C. Michelagnoli, P. Molini, D.R. Napoli, P.J. Nolan, M. Norman, A. Obertelli, Zs. Podolyák, 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. Stézowski, Ch. Theisen, D. Tonev, C. Unsworth, C.A. Ur, J.J. Valiente-Dobón, A. Wiens and AGATA Collaboration. “High-spin structure in  $^{40}\text{K}$ ”. *Phys. Rev. C* 86 (2012), 054320.
- [90] B. Birkenbach, B. Bruyneel, G. Pascovici, J. Eberth, H. Hess, D. Lersch, P. Reiter and A. Wiens. “Determination of space charge distributions in highly segmented large volume HPGe detectors from capacitance-voltage measurements”. *Nucl. Instrum. Methods Phys. Res. A* 640 (2011), 176–184.
- [91] P. Boutachkov, M. Górska, H. Grawe, A. Blazhev, N. Braun, T. S. Brock, Z. Liu, B.S. Nara Singh, R. Wadsworth, S. Pietri, C. Domingo-Pardo, I. Kojouharov, L.



- Caceres, T. Engert, F. Farinon, J. Gerl, N. Goel, J. Grbosz, R. Hoischen, N. Kurz, C. Nociforo, A. Prochazka, H. Schaffner, S.J. Steer, H. Weick, H.-J. Wollersheim, T. Faestermann, Zs. Podolyák, D. Rudolph, A. Atac, L. Bettermann, K. Eppinger, F. Finke, K. Geibel, A. Gottardo, C. Hinke, G. Ilie, H. Iwasaki, J. Jolie, R. Krücken, E. Merchán, J. Nyberg, M. Pfützner, P.H. Regan, P. Reiter, S. Rinta-Antila, C. Scholl, P.-A. Söderström, N. Warr, P.J. Woods, F. Nowacki and K. Sieja. “High-spin isomers in  $^{96}\text{Ag}$ : Excitations across the  $Z = 38$  and  $Z = 50$ ,  $N = 50$  closed shells”. *Phys. Rev. C* **84** (2011), 044311.
- [92] B. Bruyneel, B. Birkenbach and P. Reiter. “Space charge reconstruction in highly segmented HPGe detectors through capacitance-voltage measurements”. *Nucl. Instrum. Methods Phys. Res. A* **641** (2011), 92–100.
- [93] D.D. DiJulio, J. Cederkäll, C. Fahlander, A. Ekström, 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. Mărginean, R. Menegazzo, D. Mengoni, R. Orlandi, Z. Podolyák, F. Recchia, P. Reiter, E. Sahin, J. Smith, P.A. Söderström, D.A. Torres, G.M. Tveten, C.A. Ur, J.J. Valiente-Dobón, A. Wendt and M. Zielińska. “Electromagnetic properties of vibrational bands in  $^{170}\text{Er}$ ”. *Eur. Phys. J. A* **47** (2011), 25.
- [94] A. Gadea, E. Farnea, J.J. Valiente-Dobón, B. Million, D. Mengoni, D. Bazzacco, F. Recchia, A. Dewald, Th. 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, Ch. Fransen, A. Giaz, A. Gottardo, X. Grave, J. Grębosz, 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. Möller, D.R. Napoli, M. Nicoletto, R. Nicolini, M. Ozilla, G. Pascovici, R. Peghin, M. Pignanelli, V. Pucknell, A. Pullia, L. Ramina, G. Rampazzo, M. Rebeschini, P. Reiter, S. Riboldi, M. Rigato, C. Rossi Alvarez, D. Rosso, G. Salvato, J. Strachan, E. Sahin, F. Scarlassara, J. Simpson, A.M. Stefanini, O. Stézowski, F. Tomasi, N. Toniolo, A. Triossi, M. Turcato, C.A. Ur, V. Vandone, R. Venturelli, F. Veronese, C. Veyssiere, E. Viscione, O. Wieland, A. Wiens, F. Zocca and A. Zucchiatti. “Conceptual design and infrastructure for the installation of the first AGATA sub-array at LNL”. *Nucl. Instrum. Methods Phys. Res. A* **654** (2011), 88–96.
- [95] K. Hadyńska-Klęk, P.J. Napiorkowski, A. Maj, F. Azaiez, J.J. Valiente-Dobón, G. de Angelis, G. Anil 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. Grębosz, M. Gulmini, H. Hess, R. Isocrate, G. Jaworski, M. Kicińska-Habior, M. Kmiecik, N. Kondratyev, A. Korichi, W. Korten, G. Lehaut, S. Lenzi, S. Leoni, S. Lunardi, G. Maron, R. Menegazzo, D. Mengoni, E. Merchán, W. Męczyński, 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. Stézowski, J. Styczeń, N. Toniolo, C.A. Ur, V. Vandone, B. Wadsworth, A. Wiens, K. Wrzosek-Lipska, M. Zielińska, M. Ziębliński and AGATA Collaboration. “Refinement of the  $^{42}\text{Ca}$  level scheme. Preliminary results from the first AGATA demonstrator experiment”. *Acta Phys. Pol. B* 42 (2011), 817–824.
- [96] R.S. Kempley, Zs. Podolyák, D. Bazzacco, A. Gadea, E. Farnea, J.J. Valiente-Dobón, 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, Zs. Dombrádi, 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 AGATA Collaboration. “Cross-coincidences in the  $^{136}\text{Xe} + ^{208}\text{Pb}$  deep-inelastic reaction”. *Acta Phys. Pol. B* 42 (2011), 717–720.
- [97] T. Kotthaus, P. Reiter, H. Hess, M. Kalkühler, A. Wendt, A. Wiens, R. Hertenberg, T. Morgan, P.G. Thirolf, H-F Wirth and T. Faestermann. “Probing Nilsson states in  $^{233}\text{U}$ ”. *Phys. Rev. C* 84 (2011), 014334.
- [98] R. Kumar, P. Doornenbal, A. Jhingan, R.K. Bhowmik, S. Appannababu, P. Bednarczyk, L. Caceres, J. Cederkäll, A. Ekström, R. Garg, J. Gerl, M. Górska, H. Grawe, J. Kaur, I. Kojouharov, S. Mandal, S. Mukherjee, S. Muralithar, W. Prokopowicz, P.P. Singh, P. Reiter, H. Schaffner, A. Sharma, R.P. Singh, D. Siwal and H.J. Wollersheim. “Enhanced  $0_{g.s.}^+ \rightarrow 2_1^+$  E2 transition strength in  $^{112,114}\text{Sn}$ ”. *Acta Phys. Pol. B* 42 (2011), 813–816.
- [99] Daniel Lersch, Gheorghe Pascovici, Benedikt Birkenbach, Bart Bruyneel, Jürgen Eberth, Herbert Hess, Peter Reiter, Andreas Wiens and Heinz Georg Thomas. “The liquid nitrogen fill level meter for the AGATA triple cluster detector”. *Nucl. Instrum. Methods Phys. Res. A* 640 (2011), 133–138.
- [100] 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-Dobón, M. Ciemała, M. Kmiecik, A. Maj, S. Myalski, A. Bürger, R. Kempsey, P. Reiter and AGATA Collaboration. “Study of high-lying states in  $^{208}\text{Pb}$  with the AGATA demonstrator”. *Acta Phys. Pol. B* 42 (2011), 653–657.
- [101] E. Rapisarda, I. Stefanescu, D.L. Balabanski, B. Bastin, A. Blazhev, N. Bree, M. Danchev, B. Bruyneel, T. Davinson, P. Delahaye, J. Diriken, J. Eberth, G. Georgiev, D. Fedorov, V.N. Fedosseev, E. Fiori, S. Franchoo, Ch Fransen, K. Geibel, K. Gladnishki, K. Hadyńska, H. Hess, K. Heyde, M. Huyse, O. Ivanov, J. Iwanicki, J. Jolie, M. Kalkühler, Th Kröll, R. Krücken, U. Köster, G. Lo Bianco, R. Lozeva, B.A. Marsh, S. Nardelli, F. Nowacki, N. Patronis, P. Reiter, M. Seidlitz, K. Sieja, N. Smirnova, J. Srebrny, J. Van de Walle, P. Van Duppen, N. Warr, F. Wenander, K. Wimmer, K. Wrzosek, S. Zemlyanoi and M. Zielińska. “Coulomb excitation of the  $3^-$  isomer in  $^{70}\text{Cu}$ ”. *Phys. Rev. C* 84 (2011), 064323.
- [102] M. Seidlitz, D. Mücher, P. Reiter, V. Bildstein, A. Blazhev, N. Bree, B. Bruyneel, J. Cederkäll, E. Clément, T. Davinson, P. Van Duppen, A. Ekström, F. Finke, L.M. Fraile, K. Geibel, R. Gernhäuser, H. Hess, A. Höller, M. Huyse, O. Ivanov, J. Jolie, M. Kalkühler, T. Kotthaus, R. Krücken, R. Lutter, E. Piselli, H. Scheit, I. Stefanescu, J. Van de Walle, D. Voulot, N. Warr, F. Wenander and A. Wiens. “Coulomb excitation of  $^{31}\text{Mg}$ ”. *Phys. Lett. B* 700 (2011), 181–186.
- [103] M. Seidlitz, P. Reiter, A. Dewald, O. Möller, B. Bruyneel, S. Christen, F. Finke, C. Fransen, M. Górska, H. Grawe, A. Höller, G. Ilie, T. Kotthaus, P. Kudejova, S. M. Lenzi, S. Mandal, B. Melon, D. Mücher, J. -M. Regis, B. Saha, P. von Brentano, A. Wiens and K. O. Zell. “Precision lifetime measurements of the first  $2^+$  and  $4^+$  states in  $^{56}\text{Cr}$  at the  $N = 32$  subshell closure”. *Phys. Rev. C* 84 (2011), 034318.
- [104] B.S. Nara Singh, Z. Liu, R. Wadsworth, H. Grawe, T. S. Brock, P. Boutachkov, N. Braun, A. Blazhev, M. Górska, S. Pietri, D. Rudolph, C. Domingo-Pardo, S.J. Steer, A. Atac, L. Bettermann, L. Caceres, K. Eppinger, T. Engert, T. Faestermann, F. Farion, F. Finke, K. Geibel, J. Gerl, R. Gernhäuser, N. Goel, A. Gottardo, J. Grębosz, C. Hinke, R. Hoischen, G. Ilie, H. Iwasaki, J. Jolie, A. Kaskas, I. Kojouharov, R. Krücken, N. Kurz, E. Merchán, C. Nociforo, J. Nyberg, M. Pfützner, A. Prochazka, Zs. Podolyák, P.H. Regan, P. Reiter, S. Rinta-Antila, C. Scholl, H. Schaffner, P. -A. Söderström, N. Warr, H. Weick, H.-J. Wollersheim, P.J. Woods, F. Nowacki and K. Sieja. “ $16^+$  Spin-Gap Isomer in  $^{96}\text{Cd}$ ”. *Phys. Rev. Lett.* 107 (2011), 172502.
- [105] P.-A. Söderström, 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. Grębosz, 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. Męczyński, 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-Dobón, C. Veyssiere and A. Wiens. “Interaction position resolution simulations and in-beam measurements of the AGATA HPGe detectors”. *Nucl. Instrum. Methods Phys. Res. A* **638** (2011), 96–109.
- [106] P. Bednarczyk, J. Grębosz, M. Kmiecik, A. Maj, W. Męczyński, S. Myalski, J. Styczeń, C. Domingo-Pardo, P. Doornenbal, J. Gerl, M. Górska, H.J. Wollersheim, J. Jolie, P. Reiter, A. Bracco and F. Camera. “In-beam  $\gamma$ -ray angular distribution and lifetime measurements - Experience from RISING and perspectives at FATR”. *Acta Phys. Pol. B* **41** (2010), 505–510.
- [107] T. S. Brock, B.S. Nara Singh, P. Boutachkov, N. Braun, A. Blazhev, Z. Liu, R. Wadsworth, M. Górska, H. Grawe, S. Pietri, C. Domingo-Pardo, D. Rudolph, S.J. Steer, A. Atac, L. Bettermann, L. Caceres, T. Engert, K. Eppinger, T. Faestermann, F. Farion, F. Finke, K. Geibel, J. Gerl, R. Gernhäuser, N. Goel, A. Gottardo, J. Grębosz, C. Hinke, R. Hoischen, G. Ilie, H. Iwasaki, J. Jolie, A. Kaskas, I. Kojuharov, R. Krücken, N. Kurz, E. Merchán, C. Nociforo, J. Nyberg, M. Pfützner, A. Prochazka, Zs Podolyák, P.H. Regan, P. Reiter, S. Rinta-Antila, H. Schaffner, C. Scholl, P.-A. Söderström, N. Warr, H. Weick, H.-J. Wollersheim, P.J. Woods and RISING Collaboration. “Observation of a new high-spin isomer in  $^{194}\text{Pd}$ ”. *Phys. Rev. C* **82** (2010), 061309.
- [108] J. Diriken, I. Stefanescu, D. Balabanski, N. Blasi, A. Blazhev, N. Bree, J. Cederkäll, T.E. Cocolios, T. Davinson, J. Eberth, A. Ekström, D.V. Fedorov, V.N. Fedosseev, L.M. Fraile, S. Franchoo, G. Georgiev, K. Gladnishki, M. Huyse, O.V. Ivanov, V.S. Ivanov, J. Iwanicki, J. Jolie, T. Konstantinopoulos, Th. Kröll, R. Krücken, U. Köster, A. Lagoyannis, G. Lo Bianco, P. Maierbeck, B.A. Marsh, P. Napiorkowski, N. Patronis, D. Pauwels, P. Reiter, M. Seliverstov, G. Sletten, J. Van de Walle, P. Van Duppen, D. Voulot, W.B. Walters, N. Warr, F. Wenander and K. Wrzosek. “Coulomb excitation of  $^{73}\text{Ga}$ ”. *Phys. Rev. C* **82** (2010), 064309.
- [109] P. Doornenbal, P. Reiter, H. Grawe, T. Saito, A. Al-Khatib, A. Banu, T. Beck, F. Becker, P. Bednarczyk, G. Benzoni, A. Bracco, A. Bürger, L. Caceres, F. Camera, S. Chmel, F.C.L. Crespi, H. Geissel, J. Gerl, M. Górska, J. Grębosz, H. Huebel, M. Kavatsyuk, O. Kavatsyuk, M. Kmiecik, I. Kojuharov, N. Kurz, R. Lozeva, A. Maj, S. Mandal, W. Męczyński, B. Million, Zs. Podolyák, A. Richard, N. Saito, H. Schaffner, M. Seidlitz, T. Striepling, J. Walker, N. Warr, H. Weick, O. Wieland, M. Winkler and H.J. Wollersheim. “Lifetime effects for high-resolution  $\gamma$ -ray spectroscopy at

- relativistic energies and their implications for the RISING spectrometer”. *Nucl. Instrum. Methods Phys. Res. A* 613 (2010), 218–225.
- [110] A. Ekström, J. Cederkäll, C. Fahlander, M. Hjorth-Jensen, T. Engeland, A. Blazhev, P.A. Butler, T. Davinson, J. Eberth, F. Finke, A. Görge, M. Górska, A.M. Hurst, O. Ivanov, J. Iwanicki, U. Köster, B.A. Marsh, J. Mierzejewski, P. Reiter, S. Siem, G. Sletten, I. Stefanescu, G.M. Tveten, J. Van de Walle, D. Voulot, N. Warr, D. Weisshaar, F. Wenander and M. Zielińska. “Coulomb excitation of the odd-odd isotopes  $^{106,108}\text{In}$ ”. *Eur. Phys. J. A* 44 (2010), 355–361.
- [111] F. Naqvi, M. Górska, L. Caceres, A. Jungclauss, M. Pfützner, H. Grawe, F. Nowacki, K. Sieja, S. Pietri, E. Werner-Malento, P.H. Regan, D. Rudolf, Z. Podolyák, J. Jolie, K. Andgren, T. Beck, P. Bednarczyk, J. Benlliure, G. Benzoni, A.M. Bruce, E. Casarejos, B. Cederwall, F.C.L. Crespi, P. Detistov, Zs. Dombrádi, P. Doornenbal, H. Geissel, J. Gerl, J. Grębosz, B. Hadinia, M. Hellström, R. Hoischen, G. Ilie, A. Khaplanov, I. Kojouharov, M. Kmiecik, N. Kurz, S. Lalkovski, A. Maj, S. Mandal, V. Modamio, F. Montes, S. Myalski, W. Prokopowicz, P. Reiter, H. Schaffner, G. Simpson, D. Sohler, S.J. Steer, S. Tashenov, J. Walker, O. Wieland and H.J. Wollersheim. “Isomer spectroscopy of  $^{127}\text{Cd}$ ”. *Phys. Rev. C* 82 (2010), 034323.
- [112] Andreas Wiens, Herbert Hess, Benedikt Birkenbach, Bart Bruyneel, Juergen Eberth, Daniel Lersch, Gheorghe Pascovici, Peter Reiter and Heinz-Georg Thomas. “The AGATA triple cluster detector”. *Nucl. Instrum. Methods Phys. Res. A* 618 (2010), 223–233.
- [113] K. Wimmer, T. Kröll, R. Krücken, V. Bildstein, R. Gernhäuser, B. Bastin, N. Bree, J. Diriken, P. Van Duppen, M. Huyse, N. Patronis, P. Vermaelen, D. Voulot, J. Van de Walle, F. Wenander, L.M. Fraile, R. Chapman, B. Hadinia, R. Orlandi, J.F. Smith, R. Lutter, P.G. Thirolf, M. Labiche, A. Blazhev, M. Kalkühler, P. Reiter, M. Seidlitz, N. Warr, A.O. Macchiavelli, H. B. Jeppesen, E. Fiori, G. Georgiev, G. Schrieder, S. Das Gupta, G. Lo Bianco, S. Nardelli, J. Butterworth, J. Johansen and K. Riisager. “Discovery of the Shape Coexisting  $0^+$  State in  $^{32}\text{Mg}$  by a Two Neutron Transfer Reaction”. *Phys. Rev. Lett.* 105 (2010), 252501.
- [114] P. Bednarczyk, J. Grębosz, A. Maj, M. Kmiecik, W. Meczynski, J. Styczeń, H.J. Wollersheim, J. Gerl, M. Górska, P. Reiter, A. Bracco and F. Camera. “ $\gamma$ -ray angular distribution in Coulomb excitation experiments at intermediate energies as a signature of electromagnetic and nuclear forces in peripheral collisions”. *Acta Phys. Pol. B* 40 (2009), 853–858.
- [115] Bart Bruyneel, Peter Reiter, Andreas Wiens, Juergen Eberth, Herbert Hess, Gheorghe Pascovici, Nigel Warr, Sezgin Aydin, Dino Bazzacco and Francesco Recchia. “Crosstalk corrections for improved energy resolution with highly segmented HPGe-detectors”. *Nucl. Instrum. Methods Phys. Res. A* 608 (2009), 99–106.

- [116] Bart Bruyneel, Peter Reiter, Andreas Wiens, Juergen Eberth, Herbert Hess, Gheorghe Pascovici, Nigel Warr and Dirk Weisshaar. “Crosstalk properties of 36-fold segmented symmetric hexagonal HPGe detectors”. *Nucl. Instrum. Methods Phys. Res. A* 599 (2009), 196–208.
- [117] A. Ekström, J. Cederkäll, D.D. DiJulio, C. Fahlander, M. Hjorth-Jensen, A. Blazhev, B. Bruyneel, P.A. Butler, T. Davinson, J. Eberth, C. Fransen, K. Geibel, H. Hess, O. Ivanov, J. Iwanicki, O. Kester, J. Kownacki, U. Köster, B.A. Marsh, P. Reiter, M. Scheck, B. Siebeck, S. Siem, I. Stefanescu, H. K. Toft, G.M. Tveten, J. Van de Walle, D. Voulot, N. Warr, D. Weisshaar, F. Wenander, K. Wrzosek and M. Zielińska. “Electric quadrupole moments of the  $2_1^+$  states in  $^{100,102,104}\text{Cd}$ ”. *Phys. Rev. C* 80 (2009), 054302.
- [118] R.-D. Herzberg, S. Moon, S. Eeckhautd, P.T. Greenlees, P.A. Butler, T. Page, A.V. Afanasjev, N. Amzal, J.E. Bastin, F. Becker, M. Bender, B. Bruyneel, J.F.C. Cocks, I.G. Darby, O. Dorvaux, K. Eskola, J. Gerl, T. Grahn, C. Gray-Jones, N.J. Hammond, K. Hauschild, P.-H. Heenen, K. Helariutta, A. Herzberg, F. Heßberger, M. Houry, A. Huerstel, R.D. Humphreys, G. D. Jones, P.M. Jones, R. Julin, S. Juutinen, H. Kankaanpää, H. Kettunen, T.L. Khoo, W. Korten, P. Kuusiniemi, Y. LeCoz, M. Leino, A.-P. Leppanen, C.J. Lister, R. Lucas, M. Muikku, P. Nieminen, M. Nyman, R.D. Page, T. Page, J. Pakarinen, A. Pritchard, P. Rahkila, P. Reiter, M. Sandzelius, J. Saren, Ch. Schlegel, C. Scholey, Ch. Theisen, W.H. Trzaska, J. Uusitalo, A. Wiens and H.J. Wollersheim. “Structure of rotational bands in  $^{253}\text{No}$ ”. *Eur. Phys. J. A* 42 (2009), 333–337.
- [119] C.L. Jiang, K.E. Rehm, D. Ackermann, I. Ahmad, J.P. Greene, B. Harss, D. Henderson, W.F. Henning, R.V.F. Janssens, J. Nolen, R.C. Pardo, P. Reiter, J. P. Schiffer, D. Seweryniak, A. Sonzogni, J. Uusitalo, I. Wiedenhöver, A.H. Wuosmaa, F. Brumwell, G. McMichael, M. Paul and R.E. Segel. “Experimental study of the  $^{56}\text{Ni}(^3\text{He},d)^{57}\text{Cu}$  reaction in inverse kinematics”. *Phys. Rev. C* 80 (2009), 044613.
- [120] F. Recchia, D. Bazzacco, E. Farnea, A. Gadea, R. Venturelli, T. Beck, P. Bednarczyk, A. Bürger, A. Dewald, M. Dimmock, G. Duchêne, J. Eberth, T. Faul, J. Gerl, R. Gernhäuser, K. Hauschild, A. Höller, P. Jones, W. Korten, Th. Kröll, R. Krücken, 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. Valiente Dóbon and D. Weisshaar. “Position resolution of the prototype AGATA triple-cluster detector from an in-beam experiment”. *Nucl. Instrum. Methods Phys. Res. A* 604 (2009), 555–562.
- [121] M.J. Taylor, M.A. Bentley, D. Rudolph, C. Fahlander, P. Golubev, R. Hoischen, P. Reiter, J. Gerl and M. Górska. “A new simulation package to model detector sys-

- tems with fragmentation reactions and ion separators: Application to the LYCCA-0 system”. *Nucl. Instrum. Methods Phys. Res. A* 606 (2009), 589–597.
- [122] J. Van de Walle, F. Aksouh, T. Behrens, V. Bildstein, A. Blazhev, J. Cederkäll, E. Clément, T.E. Cocolios, T. Davinson, P. Delahaye, J. Eberth, A. Ekström, D.V. Fedorov, V.N. Fedosseev, L.M. Fraile, S. Franchoo, R. Gernhäuser, G. Georgiev, D. Habs, K. Heyde, G. Huber, M. Huyse, F. Ibrahim, O. Ivanov, J. Iwanicki, J. Jolie, O. Kester, U. Köster, T. Kröll, R. Krücken, M. Lauer, A.F. Lisetskiy, R. Lutter, B.A. Marsh, P. Mayet, O. Niedermaier, M. Pantea, R. Raabe, P. Reiter, M. Sawicka, H. Scheit, G. Schrieder, D. Schwalm, M.D. Seliverstov, T. Sieber, G. Sletten, N. Smirnova, M. Stanoiu, I. Stefanescu, J.-C. Thomas, J.J. Valiente-Dobón, P. Van Duppen, D. Verney, D. Voulot, N. Warr, D. Weisshaar, F. Wenander, B.H. Wolf and M. Zielińska. “Low-energy Coulomb excitation of neutron-rich zinc isotopes”. *Phys. Rev. C* 79 (2009), 014309.
- [123] R. Wadsworth, B.S. Nara Singh, A.N. Steer, D. C. Jenkins, M.A. Bentley, T. Brock, P. Davies, R. Glover, N.S. Pattabiraman, C. Scholey, T. Grahn, P.T. Greenlees, P. Jones, U. Jakobsson, R. Julin, S. Juutinen, S. Ketelhut, M. Leino, M. Nyman, P. Perua, J. Pakarinen, P. Rahkila, P. Ruotsalainen, J. Sorri, J. Uusitalo, C.J. Lister, P.A. Butler, M. Dimmock, D.T. Joss, J. Thomson, S. Rinta-Antila, B. Cederwall, B. Hadinia, M. Sandzelius, A. Atac, L. Betterman, A. Blazhev, N. Braun, F. Finke, K. Geibel, G. Ilie, H. Iwasaki, J. Jolie, P. Reiter, C. Scholl, N. Warr, P. Boutachkov, L. Caceres, C. Domingo, T. Engert, F. Farinon, J. Gerl, N. Goel, M. Górska, H. Grawe, N. Kurz, I. Kojouharov, S. Pietri, C. Nociforo, A. Prochazka, H.-J. Wollersheim, K. Eppinger, T. Faestermann, C. Hinke, R. Hoischen, R. Krücken, A. Gottardo, Z. Liu, P. Woods, J. Grębosz, E. Merchánt, J. Nyberg, P.-A. Söderström, Z. Podolyák, P. Regan, S. Steer, M. Pfützner and D. Rudolph. “The northwest frontier: Spectroscopy of  $N$  similar to  $Z$  nuclei below mass 100”. *Acta Phys. Pol. B* 40 (2009), 611–620.
- [124] O. Wieland, A. Bracco, F. Camera, G. Benzoni, N. Blasi, S. Brambilla, F.C.L. Crespi, S. Leoni, B. Million, R. Nicolini, A. Maj, P. Bednarczyk, J. Grębosz, M. Kmiecik, W. Męczyński, J. Styczeń, T. Aumann, A. Banu, T. Beck, F. Becker, L. Caceres, P. Doornenbal, H. Emling, J. Gerl, H. Geissel, M. Górska, O. Kavatsyuk, M. Kavatsyuk, I. Kojouharov, N. Kurz, R. Lozeva, N. Saito, T. Saito, H. Schaffner, H.J. Wollersheim, J. Jolie, P. Reiter, N. Warr, G. deAngelis, A. Gadea, D. Napoli, S. Lenzi, S. Lunardi, D. Balabanski, G. LoBianco, C. Petrache, A. Saltarelli, M. Castoldi, A. Zucchiatti, J. Walker and A. Bürger. “Search for the Pygmy Dipole Resonance in  $^{68}\text{Ni}$  at 600 MeV/nucleon”. *Phys. Rev. Lett.* 102 (2009), 092502.
- [125] N. Bree, I. Stefanescu, P.A. Butler, J. Cederkäll, T. Davinson, P. Delahaye, J. Eberth, D. Fedorov, V.N. Fedosseev, L.M. Fraile, S. Franchoo, G. Georgiev, K. Gladnishki, M. Huyse, O. Ivanov, J. Iwanicki, J. Jolie, U. Köster, Th. Kröll, R.

- Krücken, B.A. Marsh, O. Niedermaier, P. Reiter, H. Scheit, D. Schwalm, T. Sieber, J. Van de Walle, P. Van Duppen, N. Warr, D. Weisshaar, F. Wenander and S. Zemlyanoy. “Coulomb excitation of  $^{68}\text{Ni}_{40}$  at “safe” energies”. *Phys. Rev. C* **78** (2008), 047301.
- [126] P. Doornenbal, P. Reiter, H. Grawe, H.J. Wollersheim, P. Bednarczyk, L. Caceres, J. Cederkäll, A. Ekström, J. Gerl, M. Górska, A. Jhingan, I. Kojouharov, R. Kumar, W. Prokopowicz, H. Schaffner and R.P. Singh. “Enhanced strength of the  $2_1^+ \rightarrow 0_{\text{g.s.}}^+$  transition in  $^{114}\text{Sn}$  studied via Coulomb excitation in inverse kinematics”. *Phys. Rev. C* **78** (2008), 031303.
- [127] A. Ekström, J. Cederkäll, C. Fahlander, M. Hjorth-Jensen, F. Ames, P.A. Butler, T. Davinson, J. Eberth, F. Fincke, A. Górgen, M. Górska, D. Habs, A.M. Hurst, M. Huyse, O. Ivanov, J. Iwanicki, O. Kester, U. Köster, B.A. Marsh, J. Mierzejewski, P. Reiter, H. Scheit, D. Schwalm, S. Siem, G. Sletten, I. Stefanescu, G.M. Tveten, J. Van de Walle, P. Van Duppen, D. Voulot, N. Warr, D. Weisshaar, F. Wenander and M. Zielińska. “ $0_{\text{gs}}^+ \rightarrow 2_1^+$  transition strengths in  $^{106}\text{Sn}$  and  $^{108}\text{Sn}$ ”. *Phys. Rev. Lett.* **101** (2008), 012502.
- [128] T.R. Saito, N. Saito, K. Starosta, J. Beller, N. Pietralla, H.J. Wollersheim, D.L. Balabanski, A. Banu, R. A. Bark, T. Beck, F. Becker, P. Bednarczyk, K. -H. Behr, G. Benzoni, P.G. Bizzeti, C. Boiano, A. Bracco, S. Brambilla, A. Bruenle, A. Bürger, L. Caceres, F. Camera, F.C.L. Crespi, P. Doornenbal, A. B. Garnsworthy, H. Geissel, J. Gerl, M. Górska, J. Grębosz, G. Hagemann, J. Jolie, M. Kavatsyuk, O. Kavatsyuk, T. Koike, I. Kojouharov, N. Kurz, J. Leske, G. Lo Bianco, A. Maj, S. Mallion, S. Mandal, M. Maliage, T. Otsuka, C.M. Petrache, Zs. Podolyák, W. Prokopowicz, G. Rainovski, P. Reiter, A. Richard, H. Schaffner, S. Schielke, G. Sletten, N.J. Thompson, D. Tonev, J. Walker, N. Warr, O. Wieland and Q. Zhong. “Yrast and non-yrast  $2^+$  states of  $^{134}\text{Ce}$  and  $^{136}\text{Nd}$  populated in relativistic Coulomb excitation”. *Phys. Lett. B* **669** (2008), 19–23.
- [129] I. Stefanescu, G. Georgiev, D.L. Balabanski, N. Blasi, A. Blazhev, N. Bree, J. Cederkäll, T.E. Cocolios, T. Davinson, J. Diriken, J. Eberth, A. Ekström, D. Fedorov, V.N. Fedosseev, L.M. Fraile, S. Franchoo, K. Gladnishki, M. Huyse, O. Ivanov, V. Ivanov, J. Iwanicki, J. Jolie, T. Konstantinopoulos, Th. Kröll, R. Krücken, U. Köster, A. Lagoyannis, G. Lo Bianco, P. Maierbeck, B.A. Marsh, P. Napiorkowski, N. Patronis, D. Pauwels, G. Rainovski, P. Reiter, K. Riisager, M. Seliverstov, G. Sletten, J. Van de Walle, P. Van Duppen, D. Voulot, N. Warr, F. Wenander and K. Wrzosek. “Interplay between single-particle and collective effects in the odd- $A$  Cu isotopes beyond  $N = 40$ ”. *Phys. Rev. Lett.* **100** (2008), 112502.
- [130] A. Bracco, G. Benzoni, N. Blasi, S. Brambilla, F. Camera, F.C.L. Crespi, S. Leoni, B. Million, D. Montanari, M. Pignanelli, O. Wieland, A. Maj, P. Bednarczyk, J.



- Grębosz, M. Kmiecik, W. Męczyński, J. Styczeń, T. Aumann, A. Banu, T. Beck, F. Becker, L. Caceres, P. Doornenbal, H. Emling, J. Gerl, H. Geissel, M. Górska, O. Kavatsyuk, M. Kavatsyuk, I. Kojouharov, N. Kurz, R. Lozeva, N. Saito, T. Saito, H. Shaffner, H.J. Wollersheim, J. Jolie, P. Reiter, N. Warr, G. De Angelis, A. Gadea, D. Napoli, S. Lenzi, S. Lunardi, D. Balabanski, G. Lo Bianco, C. Petrache, A. Saltarelli, M. Castoldi, A. Zucchiatti, J. Walker and A. Bürger. “Coulomb excitation of  $^{68}\text{Ni}$  at 600 AMeV”. *Acta Phys. Pol. B* 38 (2007), 1229–1236.
- [131] J. Cederkäll, A. Ekström, C. Fahlander, A.M. Hurst, M. Hjorth-Jensen, F. Ames, A. Banu, P.A. Butler, T. Davinson, U. Datta Pramanik, J. Eberth, S. Franchoo, G. Georgiev, M. Górska, D. Habs, M. Huyse, O. Ivanov, J. Iwanicki, O. Kester, U. Köster, B.A. Marsh, O. Niedermaier, T. Nilsson, P. Reiter, H. Scheit, D. Schwalm, T. Sieber, G. Sletten, I. Stefanescu, J. Van de Walle, P. Van Duppen, N. Warr, D. Weisshaar and F. Wenander. “Sub-barrier Coulomb excitation of  $^{110}\text{Sn}$  and its implications for the  $^{100}\text{Sn}$  shell closure”. *Phys. Rev. Lett.* 98 (2007), 172501.
- [132] C.J. Chiara, M. Devlin, E. Ideguchi, D.R. LaFosse, F. Lerma, W. Reviol, S.K. Ryu, D.G. Sarantites, O. L. Pechenaya, C. Baktash, A. Galindo-Uribarri, M.P. Carpenter, R.V.F. Janssens, T. Lauritsen, C.J. Lister, P. Reiter, D. Seweryniak, P. Fallon, A. Gørgen, A.O. Macchiavelli, D. Rudolph, G. Stoitcheva and W. E. Ormand. “Probing *sd-fp* cross-shell interactions via terminating configurations in  $^{42,43}\text{Sc}$ ”. *Phys. Rev. C* 75 (2007), 054305.
- [133] P. Doornenbal, P. Reiter, H. Grawe, T. Otsuka, A. Al-Khatib, A. Banu, T. Beck, F. Becker, P. Bednarczyk, G. Benzoni, A. Bracco, A. Bürger, L. Caceres, F. Camera, S. Chmel, M. Górska, J. Grębosz, H. Huebel, M. Kavatsyuk, O. Kavatsyuk, M. Kmiecik, I. Kojouharov, N. Kurz, R. Lozeva, A. Maj, S. Mandal, W. Męczyński, B. Million, Zs. Podolyák, A. Richard, N. Saito, T. Saito, H. Schaffner, M. Seidlitz, T. Striepling, Y. Utsuno, J. Walker, N. Warr, H. Weick, O. Wieland, M. Winkler and H.J. Wollersheim. “The  $T = 2$  mirrors  $^{36}\text{Ca}$  and  $^{36}\text{S}$ : A test for isospin symmetry of shell gaps at the driplines”. *Phys. Lett. B* 647 (2007), 237–242.
- [134] M. Goerska, A. Banu, P. Bednarczyk, A. Bracco, A. Bürger, F. Camera, E. Caurier, P. Doornenbal, J. Gerl, H. Grawe, M. Honma, H. Huebel, A. Jungclaus, A. Maj, G. Neyens, F. Nowacki, T. Otsuka, T. Pfutzner, S. Pietri, Zs. Podolyák, A. Poves, P.H. Regan, P. Reiter, D. Rudolph, H.J. Wollersheim and RISING Collaboration. “Nuclear structure far off stability - Rising campaigns”. *Acta Phys. Pol. B* 38 (2007), 1219–1228.
- [135] I. Stefanescu, G. Georgiev, F. Ames, J. Aystö, D.L. Balabanski, G. Bollen, P.A. Butler, J. Cederkäll, N. Champault, T. Davinson, A. De Maesschalck, P. Delahaye, J. Eberth, D. Fedorov, V.N. Fedosseev, L.M. Fraile, S. Franchoo, K. Gladnishki, D. Habs, K. Heyde, M. Huyse, O. Ivanov, J. Iwanicki, J. Jolie, B. Jonson, Th. Kröll, R.

- Krücken, O. Kester, U. Köster, A. Lagoyannis, L. Liljeby, G. Lo Bianco, B.A. Marsh, O. Niedermaier, T. Nilsson, M. Oinonen, G. Pascovici, P. Reiter, A. Saltarelli, H. Scheit, D. Schwalm, T. Sieber, N. Smirnova, J. Van De Walle, P. Van Duppen, S. Zemlyanoi, N. Warr, D. Weisshaar and F. Wenander. “Coulomb excitation of  $^{68,70}\text{Cu}$ : First use of postaccelerated isomeric beams”. *Phys. Rev. Lett.* **98** (2007), 122701.
- [136] J. Van de Walle, F. Aksouh, F. Ames, T. Behrens, V. Bildstein, A. Blazhev, J. Cederkäll, E. Clément, T.E. Cocolios, T. Davinson, P. Delahaye, J. Eberth, A. Ekström, D.V. Fedorov, V.N. Fedosseev, L.M. Fraile, S. Franchoo, R. Gernhäuser, G. Georgiev, D. Habs, K. Heyde, G. Huber, M. Huyse, F. Ibrahim, O. Ivanov, J. Iwanicki, J. Jolie, O. Kester, U. Köster, T. Kröll, R. Krücken, M. Lauer, A.F. Lisetskiy, R. Lutter, B.A. Marsh, P. Mayet, O. Niedermaier, T. Nilsson, M. Pantea, O. Perru, R. Raabe, P. Reiter, M. Sawicka, H. Scheit, G. Schrieder, D. Schwalm, M.D. Seliverstov, T. Sieber, G. Sletten, N. Smirnova, M. Stanoiu, I. Stefanescu, J.-C. Thomas, J.J. Valiente-Dobón, P. Van Duppen, D. Verney, D. Voulot, N. Warr, D. Weisshaar, F. Wenander, B.H. Wolf and M. Zielińska. “Coulomb excitation of neutron-rich Zn isotopes: First observation of the  $2_1^+$  state in  $^{80}\text{Zn}$ ”. *Phys. Rev. Lett.* **99** (2007), 142501.
- [137] J.E. Bastin, R.D. Herzberg, P.A. Butler, G.D. Jones, R.D. Page, D.G. Jenkins, N. Amzal, P.M.T. Brew, N.J. Hammond, R.D. Humphreys, P.J.C. Ikin, T. Page, P.T. Greenlees, P.M. Jones, R. Julin, S. Juutinen, H. Kankaanpää, A. Keenan, H. Kettunen, P. Kuusiniemi, M. Leino, A.P. Leppanen, M. Muikku, P. Nieminen, P. Rahkila, C. Scholey, J. Uusitalo, E. Bouchez, A. Chatillon, A. Hurstel, W. Korten, Y. Le Coz, C. Theisen, D. Ackermann, J. Gerl, K. Helariutta, F.P. Heßberger, C. Schlegel, H.J. Wollersheim, M. Lach, A. Maj, W. Męczyński, J. Styczeń, T.L. Khoo, C.J. Lister, A.V. Afanasjev, H.J. Maier, P. Reiter, P. Bednarczyk, K. Eskola and K. Hauschild. “In-beam gamma ray and conversion electron study of  $^{250}\text{Fm}$ ”. *Phys. Rev. C* **73** (2006), 024308.
- [138] Bart Bruyneel, Peter Reiter and Gheorghe Pascovici. “Characterization of large volume HPGe detectors. Part I: Electron and hole mobility parameterization”. *Nucl. Instrum. Methods Phys. Res. A* **569** (2006), 764–773.
- [139] Bart Bruyneel, Peter Reiter and Gheorghe Pascovici. “Characterization of large volume HPGe detectors. Part II: Experimental results”. *Nucl. Instrum. Methods Phys. Res. A* **569** (2006), 774–789.
- [140] A.-P. Leppanen, J. Uusitalo, P.T. Greenlees, R. -D. Herzberg, N. Amzal, F. Becker, P.A. Butler, A.J.C. Chewter, J.F.C. Cocks, O. Dorvaux, S. Eeckhaudt, K. Eskola, J. Gerl, T. Grahn, N.J. Hammond, K. Hauschild, K. Helariutta, F. P. Hesserger, M. Houry, G. D. Jones, P.M. Jones, R. Julin, S. Juutinen, H. Kankaanpää, H. Kettunen,

- T.L. Khoo, W. Korten, P. Kuusiniemi, Y. Le Coz, M. Leino, C.J. Lister, R. Lucas, M. Muikku, P. Nieminen, M. Nyman, R.D. Page, J. Pakarinen, P. Rahkila, P. Reiter, J. Saren, Ch. Schlegel, C. Scholey, O. Stézowski, Ch. Theisen, W.H. Trzaska and H.J. Wollersheim. “Recoil-fission tagging of the transfermium nucleus  $^{252}\text{No}$ ”. *Eur. Phys. J. A* **28** (2006), 301–306.
- [141] S.K. Tandel, T.L. Khoo, D. Seweryniak, G. Mukherjee, I. Ahmad, B. Back, R. Blinstrup, M.P. Carpenter, J. Chapman, P. Chowdhury, C. N. Davids, A.A. Hecht, A. Heinz, P. Ikin, R.V.F. Janssens, F.G. Kondev, T. Lauritsen, C.J. Lister, E.F. Moore, D. Peterson, P. Reiter, U. S. Tandel, X. Wang and S. Zhu. “K isomers in  $^{254}\text{No}$ : Probing single-particle energies and pairing strengths in the heaviest nuclei”. *Phys. Rev. Lett.* **97** (2006), 082502.
- [142] A. Banu, J. Gerl, C. Fahlander, M. Górska, H. Grawe, T.R. Saito, H.J. Wollersheim, E. Caurier, T. Engeland, A. Gniady, M. Hjorth-Jensen, F. Nowacki, T. Beck, F. Becker, P. Bednarczyk, M.A. Bentley, A. Bürger, F. Cristancho, G. de Angelis, Z. Dombrádi, P. Doornenbal, H. Geissel, J. Grębosz, G. Hammond, M. Hellström, J. Jolie, I. Kojouharov, N. Kurz, R. Lozeva, S. Mandal, N. Mărginean, S. Muralithar, J. Nyberg, J. Pochodzalla, W. Prokopowicz, P. Reiter, D. Rudolph, C. Rusu, N. Saito, H. Schaffner, D. Sohler, H. Weick, C. Wheldon and M. Winkler. “ $^{108}\text{Sn}$  studied with intermediate-energy Coulomb excitation”. *Phys. Rev. C* **72** (2005), 061305.
- [143] F. Becker, A. Banu, T. Beck, P. Bednarczyk, P. Doornenbal, H. Geissel, J. Gerl, M. Górska, H. Grawe, J. Grębosz, M. Hellström, I. Kojouharov, N. Kurz, R. Lozeva, S. Mandal, S. Muralithar, W. Prokopowicz, N. Saito, T.R. Saito, H. Schaffner, H. Weick, C. Wheldon, M. Winkler, H.J. Wollersheim, J. Jolie, P. Reiter, N. Warr, A. Bürger, H. Hubel, J. Simpson, M.A. Bentley, G. Hammond, G. Benzoni, A. Bracco, F. Camera, B. Million, O. Wieland, M. Kmiecik, A. Maj, W. Męczyński, J. Styczeń, C. Fahlander and D. Rudolph. “Status of the RISING project at GSI”. *Eur. Phys. J. A* **25** (2005), 719–722.
- [144] P. Bednarczyk, A. Banu, T. Beck, F. Becker, M.A. Bentley, G. Benzoni, A. Bracco, A. Bürger, F. Camera, P. Doornenbal, C. Fahlander, H. Geissel, J. Gerl, M. Górska, H. Grawe, J. Grębosz, G. Hammond, M. Hellström, H. Hubel, J. Jolie, M. Kmiecik, I. Kojouharov, N. Kurz, R. Lozeva, A. Maj, S. Mandal, W. Męczyński, B. Million, S. Muralithar, P. Reiter, D. Rudolph, N. Saito, T.R. Saito, H. Schaffner, J. Simpson, J. Styczeń, N. Warr, H. Weick, C. Wheldon, O. Wieland, M. Winkler and H.J. Wollersheim. “Status of the rising project at relativistic energies”. *Acta Phys. Pol. B* **36** (2005), 1235–1244.
- [145] A. Bürger, T. Saito, A. Al-Khatib, A. Banu, T. Beck, F. Becker, P. Bednarczyk, G. Benzoni, A. Bracco, P. Bringel, F. Camera, E. Clément, P. Doornenbal, H. Geissel,

- J. Gerl, M. Górska, A. Górgen, H. Grawe, J. Grębosz, G. Hammond, M. Hellström, H. Hubel, M. Kavatsyuk, O. Kavatsyuk, M. Kmiecik, I. Kojouharov, N. Kurz, R. Lozeva, A. Maj, S. Mandal, W. Męczyński, D. Mehta, B. Million, S. Muralithar, A. Neusser, Z. Podolyák, T.S. Reddy, P. Reiter, N. Saito, H. Schaffner, A.K. Singh, H. Weick, O. Wieland, C. Wheldon, M. Winkler and H.J. Wollersheim. “Relativistic coulomb excitation of  $^{54,56,58}\text{Cr}$ ”. *Acta Phys. Pol. B* 36 (2005), 1249–1252.
- [146] A. Bürger, T.R. Saito, H. Grawe, H. Hubel, P. Reiter, J. Gerl, M. Górska, H.J. Wollersheim, A. Al-Khatib, A. Banu, T. Beck, F. Becker, P. Bednarczyk, G. Benzoni, A. Bracco, S. Brambilla, P. Bringel, F. Camera, E. Clément, P. Doornenbal, H. Geissel, A. Górgen, J. Grębosz, G. Hammond, M. Hellström, M. Honma, A. Kavatsyuk, O. Kavatsyuk, M. Kmiecik, I. Kojouharov, W. Korten, N. Kurz, R. Lozeva, A. Maj, S. Mandal, B. Million, S. Muralithar, A. Neusser, F. Nowacki, T. Otsuka, Z. Podolyák, N. Saito, A.K. Singh, H. Weick, C. Wheldon, O. Wieland, M. Winkler and RISING Collaboration. “Relativistic Coulomb excitation of neutron-rich  $^{54,56,58}\text{Cr}$ : On the pathway of magicity from  $N = 40$  to  $N = 32$ ”. *Phys. Lett. B* 622 (2005), 29–34.
- [147] S. Eeckhaudt, P.T. Greenlees, N. Amzal, J.E. Bastin, E. Bouchez, P.A. Butler, A. Chatillon, K. Eskola, J. Gerl, T. Grahn, A. Górgen, R.D. Herzberg, F.P. Heßberger, A. Hurstel, P.J.C. Ikin, G.D. Jones, P. Jones, R. Julin, S. Juutinen, H. Kettunen, T.L. Khoo, W. Korten, P. Kuusiniemi, Y. Le Coz, M. Leino, A.P. Leppanen, P. Nieminen, J. Pakarinen, J. Perkowski, A. Pritchard, P. Reiter, P. Rahkila, C. Scholey, C. Theisen, J. Uusitalo, K. Van de Vel and J. Wilson. “Evidence for non-yrast states in  $^{254}\text{No}$ ”. *Eur. Phys.J. A* 26 (2005), 227–232.
- [148] PT Greenlees, N Amzal, JE Bastin, E Bouchez, PA Butler, A Chatillon, O Dorvaux, S Eeckhaudt, K Eskola, B Gall, J Gerl, T Grahn, A Górgen, NJ Hammond, K Hauschild, RD Herzberg, FP Heßberger, RD Humphreys, A Hurstel, DG Jenkins, GD Jones, P Jones, R Julin, S Juutinen, H Kankaanpää, A Keenan, H Kettunen, F Khalfallah, TL Khoo, W Korten, P Kuusmiemi, Y Le Coz, M Leino, AP Leppanen, M Muikku, P Nieminen, J Pakarinen, P Rahkila, P Reiter, M Rousseau, C Scholey, C Theisen, J Uusitalo, J Wilson and HJ Wollersheim. “In-beam and decay spectroscopy of transfermium elements”. *Eur. Phys.J. A* 25 (2005), 599–604.
- [149] O. Niedermaier, H. Scheit, V. Bildstein, H. Boie, J. Fitting, R. von Hahn, F. Köck, M. Lauer, U.K. Pal, H. Podlech, R. Repnow, D. Schwalm, C. Alvarez, F. Ames, G. Bollen, S. Emhofer, D. Habs, O. Kester, R. Lutter, K. Rudolph, M. Pasini, P.G. Thirolf, B.H. Wolf, J. Eberth, G. Gersch, H. Hess, P. Reiter, O. Thelen, N. Warr, D. Weisshaar, F. Aksouh, P. Van den Bergh, P. Van Duppen, M. Huyse, O. Ivanov, P. Mayet, J. Van de Walle, J. Aystö, P.A. Butler, J. Cederkäll, P. Delahaye, H.O.U. Fynbo, L.M. Fraile, O. Forstner, S. Franchoo, U. Köster, T. Nilsson, M. Oinonen, T. Sieber, F. Wenander, M. Pantea, A. Richter, G. Schrieder, H. Simon, T. Behrens,

- R. Gernhäuser, T. Kröll, R. Krücken, M. Münch, T. Davinson, J. Gerl, G. Huber, A. Hurst, J. Iwanicki, B. Jonson, P. Lieb, L. Liljeby, A. Schempp, A. Scherillo, P. Schmidt and G. Walter. ““Safe” Coulomb excitation of  $^{30}\text{Mg}$ ”. *Phys. Rev. Lett.* **94** (2005), 172501.
- [150] O. Niedermaier, H. Scheit, V. Bildstein, H. Boie, J. Fitting, R. von Hahn, F. Köck, M. Lauer, U.K. Pal, H. Podlech, R. Repnow, D. Schwalm, C. Alvarez, F. Ames, G. Bollen, S. Emhofer, D. Habs, O. Kester, R. Lutter, K. Rudolph, M. Pasini, P.G. Thirolf, B.H. Wolf, J. Eberth, G. Gersch, H. Hess, P. Reiter, O. Thelen, N. Warr, D. Weisshaar, F. Aksouh, P. Van den Bergh, P. Van Duppen, M. Huyse, O. Ivanov, P. Mayet, J. Van de Walle, J. Aystö, P.A. Butler, J. Cederkäll, P. Delahaye, H.O.U. Fynbo, L.M. Fraile, O. Forstner, S. Franchoo, U. Köster, T. Nilsson, M. Oinonen, T. Sieber, F. Wenander, M. Pantea, A. Richter, G. Schrieder, H. Simon, T. Behrens, R. Gernhäuser, T. Kröll, R. Krücken, M. Münch, T. Davinson, J. Gerl, G. Huber, A. Hurst, J. Iwanicki, B. Jonson, P. Lieb, L. Liljeby, A. Schempp, A. Scherillo, P. Schmidt and G. Walter. “The neutron-rich Mg isotopes: first results from MINIBALL at REX-ISOLDE”. *Nucl. Phys. A* **752** (2005), 273C–278C.
- [151] P. Reiter, F. Becker, M.A. Bentley, B.A. Bracco, G. De Angelis, C. Fahlander, J. Gerl, M. Górska, H. Grawe, H. Hubel, J. Jolie, A. Maj, P. Mayet, T. Saito, K.H. Speidel and H.J. Wollersheim. “Future rising experiments at relativistic energies”. *Acta Phys. Pol. B* **36** (2005), 1259–1268.
- [152] P. Reiter, T.L. Khoo, I. Ahmad, A.V. Afanasjev, A. Heinz, T. Lauritsen, C.J. Lister, D. Seweryniak, P. Bhattacharyya, P.A. Butler, M.P. Carpenter, A.J. Chewter, J.A. Cizewski, C.N. Davids, J.P. Greene, P.T. Greenlees, K. Helariutta, R.D. Herzberg, R.V.F. Janssens, G.D. Jones, R. Julin, H. Kankaanpää, H. Kettunen, F.G. Kondev, P. Kuusiniemi, M. Leino, S. Siem, A.A. Sonzogni, J. Uusitalo and I. Wiedenhöver. “Structure of the odd- $A$ , shell-stabilized nucleus  $^{253}_{102}\text{No}$ ”. *Phys. Rev. Lett.* **95** (2005), 032501.
- [153] H. Scheit, O. Niedermaier, V. Bildstein, H. Boie, J. Fitting, R. von Hahn, F. Köck, M. Lauer, U.K. Pal, H. Podlech, R. Repnow, D. Schwalm, C. Alvarez, F. Ames, G. Bollen, S. Emhofer, D. Habs, O. Kester, R. Lutter, K. Rudolph, M. Pasini, P.G. Thirolf, B.H. Wolf, J. Eberth, G. Gersch, H. Hess, P. Reiter, O. Thelen, N. Warr, D. Weisshaar, F. Aksouh, P. Van den Bergh, P. Van Duppen, M. Huyse, O. Ivanov, P. Mayet, J. Van de Walle, J. Aystö, P.A. Butler, J. Cederkäll, P. Delahaye, H.O.U. Fynbo, L.M. Fraile, O. Forstner, S. Franchoo, U. Köster, T. Nilsson, M. Oinonen, T. Sieber, F. Wenander, M. Pantea, A. Richter, G. Schrieder, H. Simon, T. Behrens, R. Gernhäuser, T. Kröll, R. Krücken, M. Münch, T. Davinson, J. Gerl, G. Huber, A. Hurst, J. Iwanicki, B. Jonson, P. Lieb, L. Liljeby, A. Schempp, A. Scherillo, P. Schmidt and G. Walter. “Coulomb excitation of neutron-rich beams at REX-ISOLDE”. *Eur. Phys. J. A* **25** (2005), 397–402.

- [154] D. Seweryniak, J. Uusitalo, P. Bhattacharyya, M.P. Carpenter, J.A. Cizewski, K.Y. Ding, C.N. Davids, N. Fotiades, R.V.F. Janssens, T. Lauritsen, C.J. Lister, A.O. Macchiavelli, D. Nisius, P. Reiter, W.B. Walters and P.J. Woods. “Multiparticle configurations in  $N = 84$  isotones located at the proton drip line”. *Phys. Rev. C* **71** (2005), 054319.
- [155] J.F. Smith, C.J. Chiara, M.P. Carpenter, H.J. Chantler, P.T.W. Choy, C.N. Davids, M. Devlin, J.L. Durell, D.B. Fossan, S.J. Freeman, R.V.F. Janssens, N.S. Kelsall, T. Koike, D.R. LaFosse, E.S. Paul, P. Reiter, D.G. Sarantites, D. Seweryniak, K. Starosta, R. Wadsworth, A.N. Wilson and P.H. Heenen. “First observation of very neutron-deficient  $^{122}\text{Ce}$ ”. *Phys. Lett. B* **625** (2005), 203–211.
- [156] A.N. Wilson, A.K. Singh, H. Hubel, P.M. Davidson, A. Görge, D. Rossbach, A. Korichi, A. Astier, F. Azaiez, D. Bazzacco, C. Bourgeois, N. Buform, A.P. Byrne, G.D. Dracoulis, F. Hannachi, K. Hauschild, W. Korten, T. Kröll, G.J. Lane, A. Lopez-Martens, N. Redon, P. Reiter, C. Rossi-Alvaréz, G. Schonwasser, O. Stézowski and P.G. Thirolf. “Excitation energies of superdeformed states in  $^{196}\text{Pb}$ : Towards a systematic study of the second well in Pb isotopes”. *Phys. Rev. Lett.* **95** (2005), 182501.
- [157] HJ Wollersheim, DE Appelbe, A Banu, R Bassini, T Beck, F Becker, P Bednarczyk, KH Behr, MA Bentley, G Benzoni, C Boiano, U Bonnes, A Bracco, S Brambilla, A Brunle, A Bürger, K Burkard, PA Butler, F Camera, D Curien, J Devin, P Doornenbal, C Fahlander, K Fayz, H Geissel, J Gerl, M Górška, H Grawe, J Grębosz, R Griffiths, G Hammond, M Hellström, J Hoffmann, H Hubel, J Jolie, JV Kalben, M Kmiecik, I Kojouharov, R Kulesa, N Kurz, I Lazarus, J Li, J Leske, R Lozeva, A Maj, S Mandal, W Męczyński, B Million, G Munzenberg, S Muralithar, M Mutterer, PJ Nolan, G Neyens, J Nyberg, W Prokopowicz, VFE Pucknell, P Reiter, D Rudolph, N Saito, TR Saito, D Seddon, H Schaffner, J Simpson, KH Speidel, J Styczeń, K Sümmerer, N Warr, H Weick, C Wheldon, O Wieland, M Winkler and M Ziębliński. “Rare ISotopes INvestigation at GSI (RISING) using gamma-ray spectroscopy at relativistic energies”. *Nucl. Instrum. Methods Phys. Res. A* **537** (2005), 637–657.
- [158] J Cederkäll, F Ames, P Butler, P Delahaye, V Fedoseev, M Lindroos, T Nilsson, T Sieber, F Wenander, M Pantea, S Emhofer, D Habs, O Kester, K Rudolph, R von Hahn, O Niedermaier, H Scheit, D Schwalm, P van Duppen, M Huyse, B Jonsson, G Nyman, J Eberth, P Reiter, D Weisshaar and REX-ISOLDE collaboration. “REX-ISOLDE - experiences from the first year of operation”. *Nucl. Phys. A* **746** (2004), 17C–21C.
- [159] PT Greenlees, AN Andreyev, J Bastin, F Becker, E Bouchez, PA Butler, JFC Cocks, Y Le Coz, K Eskola, J Gerl, K Hauschild, K Helariutta, RD Herzberg, FP Heßberger,

- RD Humphreys, A Hurstel, DG Jenkins, GD Jones, P Jones, R Julin, S Juutinen, H Kankaanpää, A Keenan, H Kettunen, TL Khoo, W Korten, P Kuusiniemi, M Leino, AP Leppanen, M Muikku, P Nieminen, RD Page, T Page, J Pakarinen, P Rahkila, P Reiter, C Schlegel, C Scholey, C Theisen, J Uusitalo, K Van de Vel, R Wadsworth and HJ Wollersheim. “In-beam spectroscopy at the RITU gas-filled recoil separator”. *Eur. Phys.J. A* 20 (2004), 87–92.
- [160] RD Humphreys, PA Butler, JE Bastin, PT Greenlees, NJ Hammond, RD Herzberg, DG Jenkins, GD Jones, H Kankaanpää, A Keenan, H Kettunen, T Page, P Rahkila, C Scholey, J Uusitalo, N Amzal, PMT Brew, K Eskola, J Gerl, K Hauschild, K Helariutta, FP Heßberger, A Hurstel, PM Jones, R Julin, S Juutinen, TL Khoo, W Korten, P Kuusiniemi, Y Le Coz, M Leino, AP Leppanen, M Muikku, P Nieminen, SW Odegard, J Pakarinen, P Reiter, G Sletten, C Theisen and HJ Wollersheim. “In-beam electron spectroscopy of  $^{226}\text{U}$  and  $^{254}\text{No}$ ”. *Phys. Rev. C* 69 (2004), 064324.
- [161] S. Ilievski, T. Aumann, K. Boretzky, T.W. Elze, H. Emling, A. Grünschoß, J. Holeczek, R. Holzmann, C. Kozhuharov, J.V. Kratz, R. Kulesa, A. Leistenschneider, E. Lubkiewicz, T. Ohtsuki, P. Reiter, H. Simon, K. Stelzer, J. Stroth, K. Sümmerer, E. Wajda, W. Walus and LAND Collaboration. “Evidence for multiphonon giant resonances in electromagnetic fission of  $^{238}\text{U}$ ”. *Phys. Rev. Lett.* 92 (2004), 112502.
- [162] R Palit, P Adrich, T Aumann, K Boretzky, D Cortina, UD Pramanik, TW Elze, H Emling, M Fallot, H Geissel, M Hellström, KL Jones, LH Khiem, JV Kratz, R Kulesa, Y Leifels, A Leistenschneider, G Munzenberg, C Nociforo, P Reiter, H Simon, K Sümmerer and W Walus. “Dipole excitations of neutron-proton asymmetric nuclei”. *Nucl. Phys. A* 731 (2004), 235–248.
- [163] R Palit, P Adrich, T Aumann, K Boretzky, D Cortina, UD Pramanik, TW Elze, H Emling, M Fallot, H Geissel, M Hellström, KL Jones, LH Khiem, JV Kratz, R Kulesa, A Leistenschneider, G Munzenberg, C Nociforo, P Reiter, H Simon, K Sümmerer and W Walus. “Coulomb breakup of secondary beams of neutron-rich nuclei”. *Nucl. Phys. A* 738 (2004), 45–51.
- [164] P. Reiter. “Nuclear structure and formation mechanism of heavy shell-stabilized nuclei”. *Acta Phys. Hung. NS-H* 19 (2004), 127–132.
- [165] H Scheit, O Niedermaier, M Pantea, F Aksouh, C Alvarez, F Ames, T Behrens, V Bildstein, H Boie, P Butler, J Cederkdall, T Davinson, P Delahaye, P Van Duppen, J Eberth, S Emhofer, J Fitting, S Franchoo, R Gernhauser, G Gersch, D Habs, R von Hahn, H Hess, A Hurst, M Huyse, O Ivanov, J Iwanicki, O Kester, F Kock, T Kröll, R Krücken, M Lauer, R Lutter, P Mayet, M Münch, UK Pal, M Pasini, P Reiter, A Richter, A Scherillo, G Schrieder, D Schwalm, T Sieber, H Simon, O Thelen, P Thierolf, JV de Walle, N Warr, D Weisshaar, REX and MINIBALL

- collaborations. “First results on in-beam  $\gamma$  spectroscopy of neutron-rich Na and Mg isotopes at REX-ISOLDE”. *Nucl. Phys. A* 746 (2004), 96C–102C.
- [166] S Siem, P Reiter, TL Khoo, T Lauritsen, PH Heenen, MP Carpenter, I Ahmad, H Amro, IJ Calderin, T Dossing, T Duguet, SM Fischer, U Garg, D Gassmann, G Hackman, F Hannachi, K Hauschild, RVF Janssens, B Kharraja, A Korichi, IY Lee, A Lopez-Martens, AO Macchiavelli, EF Moore, D Nisius and C Schuck. “Excitation energies and spins of the yrast superdeformed band in  $^{191}\text{Hg}$ ”. *Phys. Rev. C* 70 (2004), 014303.
- [167] JF Smith, V Medina-Chico, CJ Chiara, MP Carpenter, CN Davids, M Devlin, JL Durell, DB Fossan, SJ Freeman, RVF Janssens, DR LaFosse, MJ Leddy, P Reiter, DG Sarantites, D Seweryniak, K Starosta, R Wadsworth, AN Wilson and JN Wilson. “High-spin spectroscopy and quasiparticle alignments in  $^{124,125}\text{Ce}$ ”. *Phys. Rev. C* 69 (2004), 034339.
- [168] K Boretzky, A Grünschloß, S Ilievski, P Adrich, T Aumann, CA Bertulani, J Cub, W Dostal, B Eberlein, TW Elze, H Emling, M Fallot, J Holeczek, R Holzmann, C Kozhuharov, JV Kratz, R Kulesa, Y Leifels, A Leistenschneider, E Lubkiewicz, S Mordechai, T Ohtsuki, P Reiter, H Simon, K Stelzer, J Stroth, K Sümmerer, A Surowiec, E Wajda, W Walus and LAND Collaboration. “Two-phonon giant resonances in  $^{136}\text{Xe}$ ,  $^{208}\text{Pb}$ , and  $^{238}\text{U}$ ”. *Phys. Rev. C* 68 (2003), 024317.
- [169] PA Butler, RD Humphreys, PT Greenlees, RD Herzberg, DG Jenkins, GD Jones, H Kankaanpää, H Kettunen, P Rahkila, C Scholey, J Uusitalo, N Amzal, C Andreoiu, A Andreyev, D Appelbe, JE Bastin, PMT Brew, K Eskola, SJ Freeman, J Gerl, NJ Hammond, K Hauschild, K Helariutta, FP Heßberger, A Hurstel, PJC Ikin, PM Jones, DT Joss, R Julin, S Juutinen, A Keenan, TL Khoo, W Korten, P Kuusiniemi, Y Le Coz, M Leino, AP Leppanen, M Muikku, P Nieminen, SW Odegard, RD Page, T Page, J Pakarinen, P Reiter, J Simpson, G Sletten, C Theisen, BJ Varley and HJ Wollersheim. “High K bands in mid-supershell nuclei”. *Acta Phys. Pol. B* 34 (2003), 2107–2117.
- [170] CJ Chiara, E Ideguchi, M Devlin, DR LaFosse, F Lerma, W Reviol, SK Ryu, DG Sarantites, C Baktash, A Galindo-Uribarri, MP Carpenter, RVF Janssens, T Lauritsen, CJ Lister, P Reiter, D Seweryniak, P Fallon, A Gorgen, AO Macchiavelli and D Rudolph. “Transition quadrupole moments in the superdeformed band of  $^{40}\text{Ca}$ ”. *Phys. Rev. C* 67 (2003), 041303.
- [171] D Habs, M Gross, W Assmann, F Ames, H Bongers, S Emhofer, S Heinz, S Henry, O Kester, J Neumayr, F Ospald, P Reiter, T Sieber, J Szerypo, PG Thirolf, V Varentsov, T Wilfart, T Faestermann, R Krücken and P Maier-Komor. “The Munich accelerator for fission fragments MAFF”. *Nucl. Instrum. Methods Phys. Res. B* 204 (2003), 739–745.



- [172] O Kester, T Sieber, S Emhofer, F Ames, K Reisinger, P Reiter, PG Thirolf, R Lutter, D Habs, BH Wolf, G Huber, P Schmidt, AN Ostrowski, R von Hahn, R Repnow, J Fitting, M Lauer, H Scheit, D Schwalm, H Podlech, A Schempp, U Ratzinger, O Forstner, F Wenander, J Cederkäll, T Nilsson, M Lindroos, H Fynbo, S Franchoo, U Bergmann, M Oinonen, J Aystö, P Van den Bergh, P Van Duppen, M Huyse, N Warr, D Weisshaar, J Eberth, B Jonson, G Nyman, M Pantea, H Simon, G Shrieder, A Richter, O Tengblad, T Davinson, PJ Woods, G Bollen, L Weissmann, L Liljeby, KG Rensfelt and ISOLDE Collaboration. “Accelerated radioactive beams from REX-ISOLDE”. *Nucl. Instrum. Methods Phys. Res. B* 204 (2003), 20–30.
- [173] A Leistenschneider, T Aumann, K Boretzky, LF Canto, BV Carlson, D Cortina, UD Pramanik, TW Elze, H Emling, H Geissel, A Grünschloß, K Helariutta, M Hellström, MS Hussein, S Ilievski, K Jones, JV Kratz, R Kulesa, L Khiem, E Lubkiewicz, G Munzenberg, R Palit, P Reiter, C Scheidenberger, KH Schmidt, H Simon, K Sümmerer, E Wajda and W Walus. “Fragmentation of exotic oxygen isotopes”. *Braz. J. Phys.* 33 (2003), 328–332.
- [174] R Palit, P Adrich, T Aumann, K Boretzky, BV Carlson, D Cortina, U Datta Pramanik, TW Elze, H Emling, H Geissel, M Hellström, KL Jones, JV Kratz, R Kulesa, Y Leifels, A Leistenschneider, G Munzenberg, C Nociforo, P Reiter, H Simon, K Sümmerer, W Walus and LAND FRS Collaboration. “Exclusive measurement of breakup reactions with the one-neutron halo nucleus  $^{11}\text{Be}$ ”. *Phys. Rev. C* 68 (2003), 034318.
- [175] UD Pramanik, T Aumann, K Boretzky, BV Carlson, D Cortina, TW Elze, H Emling, H Geissel, A Grünschloß, M Hellström, S Ilievski, JV Kratz, R Kulesa, Y Leifels, A Leistenschneider, E Lubkiewicz, G Munzenberg, P Reiter, H Simon, K Sümmerer, E Wajda and W Walus. “Coulomb breakup of the neutron-rich isotopes  $^{15}\text{C}$  and  $^{17}\text{C}$ ”. *Phys. Lett. B* 551 (2003), PII S0370-2693(02)03016-2.
- [176] PG Thirolf, D Gassmann, D Habs, M Hunyadi, A Krasznahorkay, E Mergel, H Hubel, D Pansegrau, D Schwalm, MJ Chromik, M Csatlos, J Domscheit, Y Eiseremann, T Faestermann, G Graw, A Görden, J Gulyas, K Hauschild, R Hertenberger, T Hartlein, F Kock, A Lopez-Martens, Z Mate, HJ Maier, A Metz, S Neumann, A Neusser, P Reiter, G Schonwasser and H Scheit. “Detailed spectroscopy of superdeformed actinide nuclei”. *Acta Phys. Hung. NS-H* 18 (2003), 317–322.
- [177] SJ Williams, MA Bentley, DD Warner, AM Bruce, JA Cameron, MP Carpenter, P Fallon, L Frankland, W Gelletly, RVF Janssens, DT Joss, CD O’Leary, CJ Lister, A Poves, PH Regan, P Reiter, B Rubio, D Seweryniak, CE Svensson and SM Vincent. “Anomalous Coulomb matrix elements in the  $f_{7/2}$  shell”. *Phys. Rev. C* 68 (2003), 011301.

- [178] L Beck, D Habs, P Reiter, P Thirolf, T Sieber, H Bongers, S Emhofer and HI Maier. “MAFF - The Munich accelerator for fission fragments”. *Pramana* **59** (2002), 915–921.
- [179] MA Bentley, SJ Williams, DT Joss, CD O’Leary, AM Bruce, JA Cameron, MP Carpenter, P Fallon, L Frankland, W Gelletly, CJ Lister, G Martinez-Pinedo, A Poves, PH Regan, P Reiter, B Rubio, J Sanchez-Solano, D Seweryniak, CE Svensson, SM Vincent and DD Warner. “Mirror symmetry and Coulomb effects in light  $N \approx Z$  nuclei”. *Czech. J. Phys.* **52** (2002), C597–C606.
- [180] P.A. Butler, R.D. Humphreys, P.T. Greenlees, R.D. Herzberg, D.G. Jenkins, G.D. Jones, H. Kankaanpää, H. Kettunen, P. Rahkila, C. Scholey, J. Uusitalo, N. Amzal, J.E. Bastin, P.M.T. Brew, K. Eskola, J. Gerl, N.J. Hammond, K. Hauschild, K. Helariutta, F.P. Heßberger, A. Hurstel, P.M. Jones, R. Julin, S. Juutinen, A. Keenan, T.L. Khoo, W. Korten, P. Kuusiniemi, Y. Le Coz, M. Leino, A.P. Leppanen, M. Muikku, P. Nieminen, S.W. Odegard, T. Page, J. Pakarinen, P. Reiter, G. Sletten, C. Theisen and H.J. Wollersheim. “Conversion electron cascades in  $^{254}_{102}\text{No}$ ”. *Phys. Rev. Lett.* **89** (2002), 202501.
- [181] M.J. Chromik, P.G. Thirolf, M. Thoennessen, B.A. Brown, T. Davinson, D. Gassmann, P. Heckman, J. Prisciandaro, P. Reiter, E. Tryggestad and P.J. Woods. “Two-proton spectroscopy of low-lying states in  $^{17}\text{Ne}$ ”. *Phys. Rev. C* **66** (2002), 024313.
- [182] RD Herzberg, N Amzal, JE Bastin, F Becker, PMT Brew, PA Butler, AJC Chewter, JFC Cocks, O Dorvaux, K Eskola, J Gerl, PT Greenlees, NJ Hammond, K Hauschild, K Helariutta, F Heßberger, M Houry, A Hurstel, RD Humphreys, GD Jones, PM Jones, R Julin, S Juutinen, H Kankaanpää, H Kettunen, TL Khoo, W Korten, P Kuusiniemi, Y Le Coz, M Leino, AP Leppanen, CJ Lister, R Lucas, M Muikku, P Nieminen, RD Page, T Page, P Rahkila, P Reiter, C Schlegel, C Scholey, G Sletten, O Stézowski, C Theisen, WH Trzaska, J Uusitalo and HJ Wollersheim. “In-beam spectroscopy of  $^{253,254}\text{No}$ ”. *Eur. Phys. J. A* **15** (2002), 205–208.
- [183] R.-D. Herzberg, N Amzal, F Becker, PA Butler, AJC Chewter, JFC Cocks, O Dorvaux, K Eskola, J Gerl, PT Greenlees, NJ Hammond, K Hauschild, K Helariutta, F Heßberger, M Houry, GD Jones, PM Jones, R Julin, S Juutinen, H Kankaanpää, H Kettunen, TL Khoo, W Korten, P Kuusiniemi, Y Le Coz, M Leino, CJ Lister, R Lucas, M Muikku, P Nieminen, RD Page, P Rahkila, P Reiter, C Schlegel, C Scholey, O Stézowski, C Theisen, WH Trzaska, J Uusitalo and HJ Wollersheim. “Spectroscopy of transfermium nuclei:  $^{252}_{102}\text{No}$ ”. *Phys. Rev. C* **65** (2002), 014303.
- [184] T. Lauritsen, M.P. Carpenter, T. Dossing, P. Fallon, B. Herskind, R.V.F. Janssens, D.G. Jenkins, T.L. Khoo, F.G. Kondev, A. Lopez-Martens, A.O. Macchiavelli, D. Ward, K.S. Abu Saleem, I. Ahmad, R. Clark, M. Cromaz, J.P. Greene, F. Hannachi, A.M. Heinz, A. Korichi, G. Lane, C.J. Lister, P. Reiter, D. Seweryniak, S. Siem,

- R.C. Vondrasek and I. Wiedenhöver. “Direct decay from the superdeformed band to the yrast line in  $^{152}_{66}\text{Dy}_{86}$ ”. *Phys. Rev. Lett.* **88** (2002), 042501.
- [185] A Leistenschneider, T Aumann, K Boretzky, LF Canto, BV Carlson, D Cortina, UD Pramanik, TW Elze, H Emling, H Geissel, A Grünschloß, K Helariutta, M Hellström, MS Hussein, S Ilievski, KL Jones, JV Kratz, R Kulesa, LH Khiem, E Lubkiewicz, G Munzenberg, R Palit, P Reiter, C Scheidenberger, KH Schmidt, H Simon, K Sümmerer, E Wajda and W Walus. “Fragmentation of unstable neutron-rich oxygen beams”. *Phys. Rev. C* **65** (2002), 064607.
- [186] E Mergel, CM Petrache, G Lo Bianco, H Hubel, J Domscheit, D Rossbach, G Schonwasser, N Nenoff, A Neusser, A Görgen, F Becker, E Bouchez, M Houry, A Hurstel, Y Le Coz, R Lucas, C Theisen, W Korten, A Bracco, N Blasi, F Camera, S Leoni, F Hannachi, A Lopez-Martens, M Rejmund, D Gassmann, P Reiter, PG Thirolf, A Astier, N Buforn, M Meyer, N Redon and O Stézowski. “Candidates for chiral doublet bands in  $^{136}\text{Nd}$ ”. *Eur. Phys. J. A* **15** (2002), 417–420.
- [187] CD O’Leary, MA Bentley, SM Lenzi, G Martinez-Pinedo, DD Warner, AM Bruce, JA Cameron, MP Carpenter, CN Davids, P Fallon, L Frankland, W Gelletly, RVF Janssens, DT Joss, CJ Lister, PH Regan, P Reiter, B Rubio, D Seweryniak, CE Svensson, SM Vincent and SJ Williams. “Isovector pairing in odd-odd  $N = Z$   $^{50}\text{Mn}$ ”. *Phys. Lett. B* **525** (2002), 49–55.
- [188] UD Pramanik, T Aumann, A Leistenschneider, K Boretzky, D Cortina, TW Elze, H Emling, H Geissel, A Grünschloß, M Hellström, R Holzmann, S Ilievski, N Iwasa, JV Kratz, R Kulesa, Y Leifels, E Lubkiewicz, G Munzenberg, P Reiter, M Rejmund, C Scheidenberger, C Schlegel, H Simon, J Stroth, K Sümmerer, E Wajda and W Walus. “Measurement of the dipole response of neutron-rich nuclei in the  $A \sim 20$  region”. *Nucl. Phys. A* **701** (2002), PII S0375-9474(01)01574-3.
- [189] P Reiter, J Eberth, H Faust, S Franchoo, J Gerl, C Gund, D Habs, A Huyse, A JungCLAUS, KR Lieb, H Scheit, D Schwalm, HG Thomas, P van Duppen and D Weisshaar. “The MINIBALL array”. *Nucl. Phys. A* **701** (2002), PII S0375-9474(01)01576-7.
- [190] D Rossbach, A Görgen, H Hubel, E Mergel, G Schonwasser, F Azaiez, C Bourgeois, F Hannachi, A Korichi, A Lopez-Martens, A Astier, N Buforn, N Redon, O Stézowski, D Bazzacco, T Kröll, C Rossi-Alvarez, K Hauschild, W Korten, R Lucas, HJ Maier, P Reiter, PG Thirolf and AN Wilson. “Lifetimes in the yrast and an octupole-vibrational superdeformed band in  $^{196}\text{Pb}$ ”. *Phys. Rev. C* **66** (2002), 024316.
- [191] SK Saha, C Constantinescu, PJ Daly, P Bhattacharyya, CT Zhang, ZW Grabowski, B Fornal, R Broda, I Ahmad, D Seweryniak, I Wiedenhöver, MP Carpenter, RVF

- Janssens, TL Khoo, T Lauritsen, CJ Lister and P Reiter. “Excitations of two- and three-valence-proton nuclei  $^{134}\text{Te}$  and  $^{135}\text{I}$ ”. *Phys. Rev. C* 65 (2002), 017302.
- [192] R Schwengner, F Donau, T Servene, H Schnare, J Reif, G Winter, L Kaubler, H Prade, S Skoda, J Eberth, HG Thomas, F Becker, B Fiedler, S Freund, S Kasemann, T Steinhardt, O Thelen, T Hartlein, C Ender, F Kock, P Reiter and D Schwalm. “Magnetic and collective rotation in  $^{79}\text{Br}$ ”. *Phys. Rev. C* 65 (2002), 044326.
- [193] AK Singh, H Hubel, D Rossbach, S Chmel, A Gorgen, E Mergel, G Schonwasser, F Azaiez, C Bourgeois, F Hannachi, A Korichi, A Lopez-Martens, A Astier, N Buorn, N Redon, O Stezowski, D Bazzacco, T Kroll, C Rossi-Alvarez, K Hauschild, W Korten, R Lucas, HJ Maier, P Reiter, PG Thirolf and AN Wilson. “Lifetimes of magnetic-rotational bands in  $^{196}\text{Pb}$ ”. *Phys. Rev. C* 66 (2002), 064314.
- [194] AK Singh, N Nenoff, D Rossbach, A Gorgen, S Chmel, F Azaiez, A Astier, D Bazzacco, M Belleguic, S Bouneau, C Bourgeois, N Buorn, B Cederwall, I Deloncle, J Domscheit, F Hannachi, K Hauschild, H Hubel, A Korichi, W Korten, T Kroll, Y LeCoz, A Lopez-Martens, R Lucas, S Lunardi, HJ Maier, E Mergel, M Meyer, CM Petrache, N Redon, P Reiter, C Rossi-Alvarez, G Schonwasser, O Stezowski, PG Thirolf and AN Wilson. “Detailed study of magnetic rotation in  $^{196}\text{Pb}$ ”. *Nucl. Phys. A* 707 (2002), PII S0375-9474(02)00966-1.
- [195] N Amzal, PA Butler, PT Greenlees, RD Herzberg, RD Humphreys, H Kankaanp, J Bastin, F Becker, PM Brew, JFC Cocks, RA Cunningham, T Czosnyka, K Eskola, J Gerl, NJ Hammond, K Hauschild, P Heikinen, K Helariutta, FP Heberger, A Hurstel, I Iwanicki, GD Jones, PM Jones, R Julin, S Juutinen, A Keenan, H Kettunen, S Khlebnikov, TL Khoo, W Korten, P Kuusiniemi, Y LeCoz, M Leino, M Muikku, P Nieminen, T Page, P Rahkila, P Reiter, CS Scholey, G Sletten, O Stezowski, C Theisen, J Uusitalo and HJ Wollersheim. “The structure of heavy octupole and superheavy quadrupole deformed nuclei”. *Acta Phys. Pol. B* 32 (2001), 2519–2526.
- [196] T Aumann, A Leistenschneider, UD Pramanik, K Boretzky, D Cortina, J Cub, W Dostal, TW Elze, H Emling, H Geissel, A Grunschlo, M Hellstrom, R Holzmann, S Ilievski, N Iwasa, M Kaspar, A Kleinbohl, JV Kratz, R Kulesa, Y Leifels, E Lubkiewicz, G Munzenberg, P Reiter, M Rejmund, C Scheidenberger, C Schlegel, H Simon, J Stroth, K Summerer, E Wajda, W Walus and S Wan. “Measurements of the dipole response with radioactive beams”. *Nucl. Phys. A* 687 (2001), 103C–110C.
- [197] P. Bhattacharyya, P.J. Daly, C.T. Zhang, Z.W. Grabowski, S.K. Saha, R. Broda, B. Fornal, I. Ahmad, D. Seweryniak, I. Wiedenhover, M.P. Carpenter, R.V.F. Janssens, T.L. Khoo, T. Lauritsen, C.J. Lister, P. Reiter and J. Blomqvist. “Magic nucleus  $^{132}\text{Sn}$  and its one-neutron-hole neighbor  $^{131}\text{Sn}$ ”. *Phys. Rev. Lett.* 87 (2001), 062502.

- [198] P Bhattacharyya, PJ Daly, CT Zhang, ZW Grabowski, SK Saha, B Fornal, R Broda, W Urban, I Ahmad, D Seweryniak, I Wiedenhöver, MP Carpenter, RVF Janssens, TL Khoo, T Lauritsen, CJ Lister, P Reiter and J Blomqvist. “Yrast excitations in  $N = 81$  nuclei  $^{132}\text{Sb}$  and  $^{133}\text{Te}$  from  $^{248}\text{Cm}$ ”. *Phys. Rev. C* **64** (2001), 054312.
- [199] PA Butler, AJ Chewter, H Kankaanpää, RD Herzberg, F Becker, JFC Cocks, O Dorvaux, K Eskola, J Gerl, PT Greenlees, N Hammond, K Helariutta, FP Heßberger, M Houry, RD Humphreys, A Hurstel, GD Jones, PM Jones, R Julin, S Juutinen, A Keenan, H Kettunen, TL Khoo, W Korten, P Kuusiniemi, Y Le Coz, M Leino, R Lucas, M Muikku, P Nieminen, RD Page, T Page, P Rahkila, P Reiter, A Savelius, C Schlegel, C Theisen, WH Trzaska, J Uusitalo and HJ Wollersheim. “Towards in-beam spectroscopy of the heaviest elements”. *Acta Phys. Pol. B* **32** (2001), 619–627.
- [200] A. Dewald, R. Kuhn, R. Peusquens, P. von Brentano, R. Krücken, M.A. Deleplanque, I.Y. Lee, R.M. Clark, P. Fallon, A.O. Macchiavelli, R.W. MacLeod, F.S. Stephens, T.L. Khoo, P. Reiter and K. Hauschild. “Investigation of the decay out of superdeformed bands in  $^{194}\text{Hg}$  by lifetime measurements”. *Phys. Rev. C* **64** (2001), 054309.
- [201] KY Ding, JA Cizewski, D Seweryniak, H Amro, MP Carpenter, CN Davids, N Fotiadis, RVF Janssens, T Lauritsen, CJ Lister, D Nisius, P Reiter, J Uusitalo, I Wiedenhöver and AO Macchiavelli. “Excited states in  $^{155}\text{Yb}$  and  $^{155,156,157}\text{Lu}$  from recoil-decay tagging”. *Phys. Rev. C* **64** (2001), 034315.
- [202] J Eberth, G Pascovici, HG Thomas, N Warr, D Weisshaar, D Habs, P Reiter, P Thierolf, D Schwalm, C Gund, H Scheit, M Lauer, P Van Duppen, S Franchoo, M Huyse, RM Lieder, W Gast, J Gerl, KP Lieb and MINIBALL Collaboration. “MINIBALL - A Ge detector array for radioactive ion beam facilities”. *Progress in Particle and Nuclear Physics, Vol 46: Radioactive Beams in Nuclear and Astrophysics*. Ed. by A Faessler. Vol. 46. Prog. Part. Nucl. Phys. 2001, 389–398.
- [203] B Fornal, R Broda, PJ Daly, P Bhattacharyya, CT Zhang, ZW Grabowski, I Ahmad, D Seweryniak, I Wiedenhöver, MP Carpenter, RVF Janssens, TL Khoo, T Lauritsen, CJ Lister and P Reiter. “Few particle excitations of  $N = 83$  isotones  $^{134}\text{Sb}$  and  $^{135}\text{Te}$  from  $^{248}\text{Cm}$  fission”. *Phys. Rev. C* **63** (2001), 024322.
- [204] D Gassmann, PG Thierolf, E Mergel, D Habs, M Chromik, J Domscheit, A Görgen, K Hauschild, H Hubel, M Hunyadi, A Krasznahorkay, A Lopez-Martens, S Neumann, A Neusser, D Pansegrau, P Reiter, H Scheit, G Schonwasser and D Schwalm. “Conversion electron spectroscopy in the superdeformed minimum of  $^{240}\text{Pu}$ ”. *Phys. Lett. B* **497** (2001), 181–189.

- [205] J.P. Greene, C.J. Lister, P. Reiter, G.E. Thomas and K.L. Unterzuber. “Preparation of thin plastic conductive foils for use in a position-sensitive micro-channel plate detector system”. *Nucl. Instrum. Methods Phys. Res. A* 459 (2001), 334–338.
- [206] D Habs, F Ames, W Assmann, S Emhofer, O Engels, M Gross, O Kester, HJ Maier, P Reiter, T Sieber, P Thierolf and REX-ISOLDE MAFF-Collaboration. “The REX-ISOLDE-project and the Munich accelerator for fission fragments MAFF”. *Progress in Particle and Nuclear Physics, Vol 46: Radioactive Beams in Nuclear and Astrophysics*. Ed. by A Faessler. Vol. 46. Prog. Part. Nucl. Phys. 2001, 343–358.
- [207] A Heinz, TL Khoo, P Reiter, I Ahmad, P Bhattacharyya, J Caggiano, MP Carpenter, JA Cizewski, CN Davids, WF Henning, RVF Janssens, GD Jones, R Julin, FG Kondev, T Lauritsen, CJ Lister, D Seweryniak, S Siem, AA Sonzogni, J Uusitalo and I Wiedenhöver. “Entry distribution of  $^{220}\text{Th}$ : A method to determine the fission barrier of an unstable nucleus”. *Nucl. Phys. A* 682 (2001), 458C–463C.
- [208] E. Ideguchi, D.G. Sarantites, W. Reviol, A.V. Afanasjev, M. Devlin, C. Baktash, R.V.F. Janssens, D. Rudolph, A. Axelsson, M.P. Carpenter, A. Galindo-Uribarri, D.R. LaFosse, T. Lauritsen, F. Lerma, C.J. Lister, P. Reiter, D. Seweryniak, M. Weiszflog and J.N. Wilson. “Superdeformation in the doubly magic nucleus  $^{40}_{20}\text{Ca}_{20}$ ”. *Phys. Rev. Lett.* 87 (2001), art. no.-222501.
- [209] S Ilievski, T Aumann, K Boretzky, J Cub, W Dostal, B Eberlein, TW Elze, H Emling, A Grünschloß, J Holeczek, R Holzmann, C Kozhuharov, JV Kratz, R Kulesa, Y Leifels, A Leistenschneider, E Lubkiewicz, T Ohtsuki, P Reiter, H Simon, K Stelzer, J Stroth, A Surowiec, E Wajda, W Walus and LAND Collaboration. “Multi-phonon giant resonances and Coulomb fission of  $^{238}\text{U}$ ”. *Nucl. Phys. A* 687 (2001), 178C–183C.
- [210] A Leistenschneider, T Aumann, K Boretzky, D Cortina, J Cub, UD Pramanik, W Dostal, TW Elze, H Emling, H Geissel, A Grünschloß, M Hellstr, R Holzmann, S Ilievski, N Iwasa, M Kaspar, A Kleinböhl, JV Kratz, R Kulesa, Y Leifels, E Lubkiewicz, G Munzenberg, P Reiter, M Rejmund, C Scheidenberger, C Schlegel, H Simon, J Stroth, K Sümmerer, E Wajda, W Walus and S Wan. “Photoneutron cross sections for unstable neutron-rich oxygen isotopes”. *Phys. Rev. Lett.* 86 (2001), 5442–5445.
- [211] A Leistenschneider, T Aumann, K Boretzky, D Cortina, J Cub, UD Pramanik, W Dostal, TW Elze, H Emling, H Geissel, A Grünschloß, M Hellström, R Holzmann, S Ilievski, N Iwasa, M Kaspar, A Kleinböhl, JV Kratz, N Kulesa, Y Leifels, E Lubkiewicz, G Munzenberg, P Reiter, M Rejmund, C Scheidenberger, C Schlegel, H Simon, J Stroth, K Sümmerer, E Wajda, W Walus, S Wan and LAND-FRS-CB

- collaborat. “Electromagnetic excitation of neutron-rich oxygen nuclei  $^{17-22}\text{O}$ ”. *Acta Phys. Pol. B* 32 (2001), 1095–1098.
- [212] E Mergel, G Schonwasser, H Hubel, D Rossbach, PG Thierolf, M Chromik, D Gassmann, D Habs and P Reiter. “A setup for the search for E0 decay of superdeformed  $^{236}\text{U}$ ”. *Acta Phys. Hung. NS-H* 13 (2001), 199–202.
- [213] UD Pramanik, T Aumann, D Cortina, H Emling, H Geissel, M Hell-Strom, R Holzmann, N Iwasa, Y Leifels, G Munzenberg, M Rejmund, C Scheidenberger, K Sümmerer, A Leistenschneider, TW Elze, A Grünschloß, S Ilievski, K Boretzky, JV Kratz, R Kulesa, E Lubkiewicz, E Wajda, W Walus, P Reiter and H Simon. “Structure of light neutron-rich nuclei through Coulomb dissociation”. *Pramana* 57 (2001), 535–544.
- [214] D Rossbach, A Görden, H Hubel, E Mergel, G Schonwasser, AN Wilson, F Azaiez, A Astier, D Bazzacco, M Bergstrom, C Bourgeois, N Buforn, F Hannachi, K Hauschild, A Korichi, W Korten, T Kröll, A Lopez-Martens, R Lucas, HJ Maier, N Redon, P Reiter, C Rossi-Alvarez, O Stézowski and P Thierolf. “Evidence for octupole vibration in superdeformed  $^{196}\text{Pb}$ ”. *Phys. Lett. B* 513 (2001), 9–14.
- [215] D. Seweryniak, P.J. Woods, C.N. Davids, A. Heinz, A.A. Sonzogni, J. Uusitalo, W.B. Walters, J.A. Caggiano, M.P. Carpenter, J.A. Cizewski, T. Davinson, K.Y. Ding, N. Fotiades, U. Garg, R.V.F. Janssens, T.L. Khoo, F.G. Kondev, T. Lauritsen, C.J. Lister, P. Reiter, J. Shergur and I. Wiedenhöver. “Rotational bands in the proton emitter  $^{141}\text{Ho}$ ”. *Phys. Rev. Lett.* 86 (2001), 1458–1461.
- [216] D Seweryniak, PJ Woods, JJ Ressler, CN Davids, A Heinz, AA Sonzogni, J Uusitalo, WB Walters, JA Caggiano, MP Carpenter, JA Cizewski, T Davinson, KY Ding, N Fotiades, U Garg, RVF Janssens, TL Khoo, FG Kondev, T Lauritsen, CJ Lister, P Reiter, J Shergur and I Wiedenhöver. “GAMMASPHERE+FMA: A journey beyond the proton drip-line”. *Nucl. Phys. A* 682 (2001), 247C–255C.
- [217] PG Thierolf, D Gassman, D Habs, MJ Chromik, Y Eisermann, G Graw, R Hertenberg, HJ Maier, A Metz, P Reiter, T Faestermann, A Krasznahorkay, M Hunyadi, M Csatlos, J Gulyas, Z Mate, D Pansegrau, H Scheit, D Schwalm, E Mergel, H Hubel and A Görden. “Detailed spectroscopy in the superdeformed second minimum of  $^{240}\text{Pu}$ ”. *Acta Phys. Hung. NS-H* 13 (2001), 93–110.
- [218] I Ahmad, MP Carpenter, RR Chasman, JP Greene, RVF Janssens, TL Khoo, FG Kondev, T Lauritsen, CJ Lister, P Reiter, D Seweryniak, A Sonzogni, J Uusitalo, I Wiedenhöver and P Bhattacharyya. “Energy levels in  $^{251}\text{Cf}$  populated in the alpha decay of  $^{255}\text{Fm}$ ”. *Phys. Rev. C* 62 (2000), 064302.

- [219] T Aumann, A Leistenschneider, UD Pramanik, K Boretzky, D Cortina, J Cub, W Dostal, TW Elze, H Emling, H Geissel, A Grünschoß, M Hellström, R Holzmann, S Ilievski, N Iwasa, M Kaspar, A Kleinböhl, JV Kratz, R Kulesa, Y Leifels, E Lubkiewicz, G Munzenberg, P Reiter, M Rejmund, C Scheidenberger, C Schlegel, H Simon, J Stroth, K Sümmerer, E Wajda, W Walus and S Wan. “Nuclear structure studies with radioactive beams at GSI”. *Acta Phys. Hung. NS-H* 12 (2000), 111–118.
- [220] MA Bentley, SJ Williams, DT Joss, CD O’Leary, AM Bruce, JA Cameron, MP Carpenter, P Fallon, L Frankland, W Gelletly, CJ Lister, G Martinez-Pinedo, A Poves, PH Regan, P Reiter, B Rubio, JS Solano, D Seweryniak, CE Svensson, SM Vincent and DD Warner. “Mirror symmetry at high spin in  $^{51}\text{Fe}$  and  $^{51}\text{Mn}$ ”. *Phys. Rev. C* 62 (2000), 051303.
- [221] KY Ding, JA Cizewski, D Seweryniak, H Amro, MP Carpenter, CN Davids, N Fotiades, RVF Janssens, T Lauritsen, CJ Lister, D Nisius, P Reiter, J Uusitalo, I Wiedenhöver and AO Macchiavelli. “High-spin excitations in  $^{158,159,160}\text{Hf}$  from recoil-decay tagging”. *Phys. Rev. C* 62 (2000), 034316.
- [222] D. Habs, O. Kester, T. Sieber, H. Bongers, S. Emhofer, P. Reiter, P.G. Thirolf, G. Bollen, J. Aystö, O. Forstner, H. Ravn, T. Nilsson, M. Oinonen, H. Simon, J. Cederkäll, F. Ames, P. Schmidt, G. Huber, L. Liljeby, O. Skeppstedt, K.G. Rensfelt, F. Wenander, B. Jonson, G. Nyman, R. von Hahn, H. Podlech, R. Repnow, C. Gund, D. Schwalm, A. Schempp, K.U. Kühnel, C. Welsch, U. Ratzinger, G. Walter, A. Huck, K. Kruglov, M. Huyse, P. Van den Bergh, P. Van Duppen, L. Weissman, A.C. Shotter, A.N. Ostrowski, T. Davinson, P.J. Woods, J. Cub, A. Richter, G. Schrieder and REX-ISOLDE Collaboration. “The REX-ISOLDE project”. *Hyperfine Interact.* 129 (2000), 43–66.
- [223] D Pansegrau, P Reiter, D Schwalm, H Bauer, J Eberth, D Gassmann, D Habs, T Hartlein, F Kock and HG Thomas. “ $\gamma$  Spectroscopy in the superdeformed minimum of  $^{240}\text{Pu}$ ”. *Phys. Lett. B* 484 (2000), 1–9.
- [224] KE Rehm, F Borasi, CL Jiang, D Ackermann, I Ahmad, F Brumwell, CN Davids, P Decrock, SM Fischer, J Gorres, JP Greene, G Hackmann, B Harss, D Henderson, W Henning, RVF Janssens, G McMichael, V Nanal, D Nisius, J Nolen, RC Pardo, M Paul, P Reiter, JP Schiffer, D Seweryniak, RE Segel, I Wiedenhöver, M Wiescher and AH Wuosmaa. “Experiments with a radioactive  $^{56}\text{Ni}$  beam”. *Nucl. Instrum. Methods Phys. Res. A* 449 (2000), 208–216.
- [225] P. Reiter, T.L. Khoo, T. Lauritsen, C.J. Lister, D. Seweryniak, A.A. Sonzogni, I. Ahmad, N. Amzal, P. Bhattacharyya, P.A. Butler, M.P. Carpenter, A.J. Chewter, J.A. Cizewski, C.N. Davids, K.Y. Ding, N. Fotiades, J.P. Greene, P.T. Greenlees, A. Heinz, W.F. Henning, R.-D. Herzberg, R.V.F. Janssens, G.D. Jones, H.



- Kankaanpää, F.G. Kondev, W. Korten, M. Leino, S. Siem, J. Uusitalo, K. Vetter and I. Wiedenhöver. “Entry distribution, fission barrier, and formation mechanism of  $^{254}_{102}\text{No}$ ”. *Phys. Rev. Lett.* **84** (2000), 3542–3545.
- [226] O Stuch, K Jessen, RS Chakrawarthy, A Dewald, R Kuhn, R Krücken, P Petkov, R Peusquens, H Tiesler, D Weil, I Wiedenhöver, KO Zell, P von Brentano, C Ender, T Hartlein, F Kock, O Koschorrek and P Reiter. “Coincidence recoil-distance Doppler-shift lifetime measurements in  $^{129,130}\text{Ba}$  with EUROBALL Ge cluster detectors”. *Phys. Rev. C* **61** (2000), 044325.
- [227] A.N. Andreyev, N. Bijnens, M. Huyse, P. Van Duppen, M. Leino, T. Enqvist, P. Kuusiniemi, W. Trzaska, J. Uusitalo, N. Fotiades, J.A. Cizewski, D.P. McNabb, K.Y. Ding, C.N. Davids, R.V.F. Janssens, D. Seweryniak, M.P. Carpenter, H. Amro, P. Decrock, P. Reiter, D. Nisius, L.T. Brown, S. Fischer, T. Lauritsen, J. Wauters, C.R. Bingham and L.F. Conticchio. “ $\alpha$ -decay characteristics of neutron-deficient  $^{190,192}\text{Po}$  nuclei and  $\alpha$  branching ratios of  $^{186,188}\text{Pb}$  isotopes”. *J. Phys. G* **25** (1999), 835–837.
- [228] T. Aumann, A. Leistenschneider, K. Boretzky, D. Cortina, J. Cub, W. Dostal, B. Eberlein, Th.W. Elze, H. Emling, H. Geissel, A. Grünschloß, M. Hellström, J. Holeczek, R. Holzmann, S. Ilievski, N. Iwasa, M. Kaspar, A. Kleinböhl, J.V. Kratz, R. Kulesa, Y. Leifels, E. Lubkiewicz, G. Munzenberg, P. Reiter, M. Rejmund, C. Scheidenberger, C. Schlegel, H. Simon, J. Stroth, K. Sümmerer, E. Wajda, W. Walus and S. Wan. “Giant resonances in unstable oxygen isotopes”. *Nucl. Phys. A* **649** (1999), 297–304.
- [229] P. Chowdhury, R. D’Alarcao, E. H. Seabury, P.M. Walker, C. Wheldon, I. Ahmad, M.P. Carpenter, G. Hackman, R.V.F. Janssens, T.L. Khoo, D. Nisius and P. Reiter. “K-isomers in Hf nuclei at and beyond the neutron-rich edge of  $\beta$ -stability”. *Nucl. Phys. A* **654** (1999), 651–654.
- [230] R. D’Alarcao, P. Chowdhury, E.H. Seabury, P.M. Walker, C. Wheldon, I. Ahmad, M.P. Carpenter, G. Hackman, R.V.F. Janssens, T.L. Khoo, C.J. Lister, D. Nisius, P. Reiter, D. Seweryniak and I. Wiedenhöver. “High-K isomers in neutron-rich hafnium nuclei at and beyond the stability line”. *Phys. Rev. C* **59** (1999), R1227(R).
- [231] N. Fotiades, J.A. Cizewski, C.J. Lister, C.N. Davids, R.V.F. Janssens, D. Seweryniak, M.P. Carpenter, T.L. Khoo, T. Lauritsen, D. Nisius, P. Reiter, J. Uusitalo, I. Wiedenhöver, A.O. Macchiavelli and R.W. MacLeod. “Deformed negative-parity excitations in  $^{71}\text{As}$ ”. *Phys. Rev. C* **59** (1999), 2919–2922.
- [232] N. Fotiades, J.A. Cizewski, C.J. Lister, C.N. Davids, R.V.F. Janssens, D. Seweryniak, M.P. Carpenter, T.L. Khoo, T. Lauritsen, D. Nisius, P. Reiter, J. Uusitalo,

- I. Wiedenhöver, A.O. Macchiavelli and R.W. MacLeod. “Odd-even staggering in the  $\pi$   $g_{9/2\nu}$   $g_{9/2}$  band in  $^{72}\text{Br}$ ”. *Phys. Rev. C* **60** (1999), 057302.
- [233] A. Grünschloß, K. Boretzky, T. Aumann, C.A. Bertulani, J. Cub, W. Dostal, B. Eberlein, T.W. Elze, H. Emling, J. Holeczek, R. Holzmann, M. Kaspar, J.V. Kratz, R. Kulesa, Y. Leifels, A. Leistenschneider, E. Lubkiewicz, S. Mordechai, I. Peter, P. Reiter, M. Rejmund, H. Simon, K. Stelzer, A. Surowiec, K. Sümmerer, J. Stroth, E. Wajda, W. Walus, S. Wan and H.J. Wollersheim. “Impact-parameter dependence of giant resonance excitations in relativistic heavy-ion collisions”. *Phys. Rev. C* **60** (1999), 051601.
- [234] M. Leino, H. Kankaanpää, R.-D. Herzberg, A.J. Chewter, F.P. Heßberger, Y. Le Coz, F. Becker, P.A. Butler, J.F.C. Cocks, O. Dorvaux, K. Eskola, J. Gerl, P.T. Greenlees, K. Helariutta, M. Houry, G.D. Jones, P. Jones, R. Julin, S. Juutinen, H. Kettunen, T.L. Khoo, A. Kleinböhl, W. Korten, P. Kuusiniemi, R. Lucas, M. Muikku, P. Nieminen, R.D. Page, P. Rahkila, P. Reiter, A. Savelius, C. Schlegel, C. Theisen, W.H. Trzaska and H.J. Wollersheim. “In-beam study of  $^{254}\text{No}$ ”. *Eur. Phys. J. A* **6** (1999), 63–69.
- [235] A.P. Lopez-Martens, T. Dossing, T.L. Khoo, A. Korichi, F. Hannachi, I.J. Calderin, T. Lauritsen, I. Ahmad, M.P. Carpenter, S. M. Fischer, G. Hackman, R. V. F. Janssens, D. Nisius, P. Reiter, H. Amro and E.F. Moore. “Study of the strength distribution of primary 7-transitions in the decay from superdeformed states in  $^{194}\text{Hg}$ ”. *Nucl. Phys. A* **654** (1999), 697C–701C.
- [236] P. Reiter, T.L. Khoo, C.J. Lister, D. Seweryniak, I. Ahmad, M. Alcorta, M.P. Carpenter, J.A. Cizewski, C.N. Davids, G. Gervais, J.P. Greene, W.F. Henning, R.V.F. Janssens, T. Lauritsen, S. Siem, A.A. Sonzogni, D. Sullivan, J. Uusitalo, I. Wiedenhöver, N. Amzal, P.A. Butler, A.J. Chewter, K.Y. Ding, N. Fotiades, J.D. Fox, P.T. Greenlees, R.-D. Herzberg, G.D. Jones, W. Korten, M. Leino and K. Vetter. “Ground-state band and deformation of the  $Z = 102$  isotope  $^{254}\text{No}$ ”. *Phys. Rev. Lett.* **82** (1999), 509–512.
- [237] D. Sohler, J. Cederkäll, M. Lipoglavsek, Z. Dombrádi, M. Górska, J. Persson, D. Seweryniak, I. Ahmad, A. Atac, R.A. Bark, J. Blomqvist, M.P. Carpenter, B. Ced-erwall, C.N. Davids, C. Fahlander, S.M. Fischer, H. Grawe, G. Hackman, R.V.F. Janssens, A. Johnson, A. Kerek, W. Klamra, J. Kownacki, C.J. Lister, S. Mitarai, D. Nisius, L.O. Norlin, J. Nyberg, G. Poli, P. Reiter, J.J. Ressler, H.A. Roth, J. Schwartz, G. Sletten, J. Uusitalo, W.B. Walters and M. Weiszflog. “Yrast states of the proton drip line nucleus  $^{106}\text{Sb}$ ”. *Phys. Rev. C* **59** (1999), 1324–1327.
- [238] C.E. Svensson, D. Rudolph, C. Baktash, M.A. Bentley, J.A. Cameron, M.P. Car-penter, M. Devlin, J. Eberth, S. Flibotte, A. Galindo-Uribarri, G. Hackman, D.S. Haslip, R.V.F. Janssens, D.R. LaFosse, T.J. Lampman, I.Y. Lee, F. Lerma, A.O.

- Macchiavelli, J.M. Nieminen, S.D. Paul, D.C. Radford, P. Reiter, L.L. Riedinger, D.G. Sarantites, B. Schaly, D. Seweryniak, O. Thelen, H.G. Thomas, J.C. Waddington, D. Ward, W. Weintraub, J.N. Wilson, C.H. Yu, A.V. Afanasjev and I. Ragnarsson. “Decay out of the doubly magic superdeformed band in the  $N = Z$  nucleus  $^{60}\text{Zn}$ ”. *Phys. Rev. Lett.* **82** (1999), 3400–3403.
- [239] S. Wan, J. Gerl, J. Cub, J.M. Holeczek, P. Reiter, D. Schwalm, T. Aumann, K. Boretzky, W. Dostal, B. Eberlein, H. Emling, C. Ender, T.W. Elze, H. Geissel, A. Grünschloß, R. Holzmann, N. Iwasa, M. Kaspar, A. Kleinböhl, O. Koschorrek, Y. Leifels, A. Leistenschneider, I. Peter, H. Schaffner, C. Scheidenberger, R. Schubart, R. Schubert, H. Simon, G. Stengel, A. Surowiec and H.J. Wollersheim. “In-beam gamma-spectroscopy with relativistic radioactive ion beams”. *Eur. Phys.J. A* **6** (1999), 167–174.
- [240] C. Wheldon, P.M. Walker, R. D’Alarcao, P. Chowdhury, C.J. Pearson, E.H. Seabury, I. Ahmad, M.P. Carpenter, D.M. Cullen, G. Hackman, R.V.F. Janssens, T.L. Khoo, D. Nisius and P. Reiter. “Identification of a high-K isomer in neutron-rich  $^{185}\text{Ta}$ ”. *Eur. Phys.J. A* **5** (1999), 353–355.
- [241] I. Wiedenhöver, R.V.F. Janssens, G. Hackman, I. Ahmad, J.P. Greene, H. Amro, P.K. Bhattacharyya, M.P. Carpenter, P. Chowdhury, J. Cizewski, D. Cline, T.L. Khoo, T. Lauritsen, C.J. Lister, A.O. Macchiavelli, D.T. Nisius, P. Reiter, E.H. Seabury, D. Seweryniak, S. Siem, A. Sonzogni, J. Uusitalo and C.Y. Wu. “Octupole correlations in the Pu isotopes: From vibration to static deformation?” *Phys. Rev. Lett.* **83** (1999), 2143–2146.
- [242] B. Aengenvoort, W. Korten, H. Hubel, S. Chmel, A. Görgen, U.J. van Severen, W. Pohler, R. Zinken, T. Hartlein, C. Ender, F. Kock, P. Reiter, D. Schwalm, F. Schindler, J. Gerl, R. Schubart, F. Azaiez, S. Bouneau, J. Duprat and I. Deloncle. “Conversion-electron gamma-ray coincidence spectroscopy of superdeformed  $^{135}\text{Nd}$ ”. *Eur. Phys.J. A* **1** (1998), 359–364.
- [243] G. Hackman, R.V.F. Janssens, T.L. Khoo, I. Ahmad, J.P. Greene, H. Amro, D. Ackermann, M.P. Carpenter, S.M. Fischer, T. Lauritsen, L.R. Morss, P. Reiter, D. Seweryniak, D. Cline, C.Y. Wu, E.F. Moore and T. Nakatsukasa. “High-spin properties of octupole bands in  $^{240}\text{Pu}$  and  $^{248}\text{Cm}$ ”. *Phys. Rev. C* **57** (1998), R1056(R).
- [244] G. Hackman, R.V.F. Janssens, E.F. Moore, D. Nisius, I. Ahmad, M.P. Carpenter, S.M. Fischer, T.L. Khoo, T. Lauritsen and P. Reiter. “Lifetime measurements of superdeformed bands in  $^{142}\text{Sm}$ : A test of the additivity principle for quadrupole moments”. *Phys. Lett. B* **416** (1998), 268–273.
- [245] G. Hackman, T.L. Khoo, M.P. Carpenter, T. Lauritsen, A. Lopez-Martens, I.J. Calderin, R.V.F. Janssens, D. Ackermann, I. Ahmad, S. Agarwala, D.J. Blumenthal,

- S.M. Fischer, D. Nisius, P. Reiter, J. Young, H. Amro, E.F. Moore, F. Hannachi, A. Korichi, I.Y. Lee, A.O. Macchiavelli, T. Dossing and T. Nakatsukasa. “Comment on “Spins, parity, excitation energies, and octupole structure of an excited superdeformed band in  $^{194}\text{Hg}$  and implications for identical bands” - Hackman et al. reply”. *Phys. Rev. Lett.* **80** (1998), 4611.
- [246] M. Lipoglavsek, D. Seweryniak, C.N. Davids, C. Fahlander, M. Górska, R.V.F. Janssens, J. Nyberg, J. Uusitalo, W.B. Walters, I. Ahmad, J. Blomqvist, M.P. Carpenter, J.A. Cizewski, S.M. Fischer, H. Grawe, G. Hackman, M. Huhta, C.J. Lister, D. Nisius, G. Poli, P. Reiter, J. Ressler, J. Schwartz and A. Sonzogni. “E2 polarization charge in  $^{102}\text{Sn}$ ”. *Phys. Lett. B* **440** (1998), 246–250.
- [247] K.E. Rehm, F. Borasi, C.L. Jiang, D. Ackermann, I. Ahmad, B.A. Brown, F. Brunwell, C.N. Davids, P. Decroock, S.M. Fischer, J. Gorres, J. Greene, G. Hackmann, B. Harss, D. Henderson, W. Henning, R.V.F. Janssens, G. McMichael, V. Nanal, D. Nisius, J. Nolen, R.C. Pardo, M. Paul, P. Reiter, J.P. Schiffer, D. Seweryniak, R.E. Segel, M. Wiescher and A.H. Wuosmaa. “Study of the  $^{56}\text{Ni}(d,p)^{57}\text{Ni}$  reaction and the astrophysical  $^{56}\text{Ni}(p,\gamma)^{57}\text{Cu}$  reaction rate”. *Phys. Rev. Lett.* **80** (1998), 676–679.
- [248] K.E. Rehm, H. Esbensen, C.L. Jiang, B.B. Back, F. Borasi, B. Harss, R.V.F. Janssens, V. Nanal, J. Nolen, R.C. Pardo, M. Paul, P. Reiter, R.E. Segel, A. Sonzogni, J. Uusitalo and A.H. Wuosmaa. “Fusion cross sections for the proton drip line nucleus  $^{17}\text{F}$  at energies below the Coulomb barrier”. *Phys. Rev. Lett.* **81** (1998), 3341–3344.
- [249] D. Seweryniak, D. Ackermann, H. Amro, L.T. Brown, M.P. Carpenter, L. Conticchio, C.N. Davids, S.M. Fischer, G. Hackman, S. Hamada, D.J. Henderson, R.V.F. Janssens, D. Nisius, P. Reiter, W.B. Walters and P.J. Woods. “In-beam gamma-ray spectroscopy of Pt isotopes located at the proton drip line”. *Phys. Rev. C* **58** (1998), 2710–2714.
- [250] C. Wheldon, R. D’Alarcao, P. Chowdhury, P.M. Walker, E. Seabury, I. Ahmad, M.P. Carpenter, D.M. Cullen, G. Hackman, R.V.F. Janssens, T.L. Khoo, D. Nisius, C.J. Pearson and P. Reiter. “Opening up the  $A \approx 180$  K-isomer landscape: inelastic excitation of new multi-quasiparticle yeast traps”. *Phys. Lett. B* **425** (1998), 239–245.
- [251] T. Aumann, K. Boretzky, J. Stroth, E. Wajda, T. Blaich, J. Cub, W. Dostal, B. Eberlein, T.W. Elze, A. Grünschloß, W. Henning, J. Holeczek, R. Holzmann, H. Klingler, C. Kozhuharov, R. Kulesa, D. Lambrecht, Y. Leifels, A. Leistenschneider, E. Lubkiewicz, T. Ohtsuki, P. Reiter, K. Stelzer, K. Sümmerer, A. Surowiec, W. Walus, M. Zinser and E. Zude. “Coulomb fragmentation and Coulomb fission of

- relativistic heavy-ions and related nuclear structure aspects”. *Acta Phys. Pol. B* 28 (1997), 375–385.
- [252] J. Cub, J. Holeczek, S. Wan, T. Aumann, T. Baumann, K. Boretzky, W. Dostal, B. Eberlein, H. Emling, C. Ender, T.W. Elze, H. Geissel, J. Gerl, A. Grünschloß, D. Habs, T. Happ, R. Holzmann, N. Iwasa, M. Kaspar, A. Kleinböhl, F. Kock, O. Koschorrek, J.V. Kratz, G. Kraus, R. Kulesa, Y. Leifels, A. Leistenschneider, G. Munzenberg, F. Nickel, I. Peter, P. Reiter, H. Schaffner, C. Scheidenberger, G. Schrieder, D. Schwalm, R. Schubart, R. Schubert, W. Schwab, H. Simon, G. Stengel, J. Stroth, K. Sümmerer, A. Surowiec, P. Thirolf, E. Wajda, H.J. Wollersheim and A. Zentek. “Invariant-mass and gamma-ray spectroscopy using secondary, radioactive ion beams”. *Acta Phys. Pol. B* 28 (1997), 367–374.
- [253] J. Eberth, H.G. Thomas, D. Weisshaar, F. Becker, B. Fiedler, S. Skoda, P. Von Brentano, C. Gund, L. Palafox, P. Reiter, D. Schwalm, D. Habs, T. Servene, R. Schwengner, H. Schnare, W. Schulze, H. Prade, G. Winter, A. Jungclaus, C. Lingk, C. Teich and K.P. Lieb. “Development of segmented Ge detectors for future gamma-ray arrays”. *Progress in Nuclear and Particle Physics, Vol 38:  $4(\pi)$  high resolution gamma ray spectroscopy and nuclear structure*. Ed. by A Faessler. Vol. 38. Prog. Part. Nucl. Phys. 1997, 29–37.
- [254] N. Fotiades, J.A. Cizewski, D.P. McNabb, K.Y. Ding, C.N. Davids, R.V.F. Janssens, D. Seweryniak, M.P. Carpenter, H. Amro, P. Decrock, P. Reiter, D. Nisius, L.T. Brown, S. Fischer, T. Lauritsen, J. Wauters, C.R. Bingham, M. Huyse and A. Andreyev. “Yrast excitations in  $^{191}\text{Pb}$ ”. *Z. Phys. A* 359 (1997), 7–8.
- [255] N. Fotiades, J.A. Cizewski, D.P. McNabb, K.Y. Ding, C.N. Davids, R.V.F. Janssens, D. Seweryniak, M.P. Carpenter, H. Amro, P. Decrock, P. Reiter, D. Nisius, L.T. Brown, S. Fischer, T. Lauritsen, J. Wauters, C.R. Bingham, M. Huyse, A. Andreyev and L.F. Conticchio. “Spectroscopy of  $^{193,195,197}\text{Po}$ ”. *Phys. Rev. C* 56 (1997), 723–728.
- [256] N. Fotiades, W. Younes, J.A. Cizewski, D.P. McNabb, K.Y. Ding, C.N. Davids, R.V.F. Janssens, D. Seweryniak, M.P. Carpenter, H. Amro, P. Decrock, P. Reiter, D. Nisius, L.T. Brown, S. Fischer, T. Lauritsen, J. Wauters, C.R. Bingham, M. Huyse, A. Andreyev and L.F. Conticchio. “Spectroscopy of  $^{192}\text{Po}$ ”. *Phys. Rev. C* 55 (1997), 1724–1729.
- [257] D. Habs, D. Rudolph, O. Kester, P. Thirolf, P. Reiter, D. Schwalm, G. Walter, P. Van Duppen and J. Eberth. “Physics with REX-ISOLDE and MINIBALL - The REX-ISOLDE and MINIBALL collaborations”. *Z. Phys. A* 358 (1997), 161–162.
- [258] G. Hackman, T.L. Khoo, M.P. Carpenter, T. Lauritsen, A. Lopez-Martens, I.J. Calderin, R.V.F. Janssens, D. Ackermann, I. Ahmad, S. Agarwala, D.J. Blumenthal,

- S.M. Fischer, D. Nisius, P. Reiter, J. Young, H. Amro, E.F. Moore, F. Hannachi, A. Korichi, I.Y. Lee, A.O. Macchiavelli, T. Dossing and T. Nakatsukasa. “Spins, parity, excitation energies, and octupole structure of an excited superdeformed band in  $^{194}\text{Hg}$  and implications for identical bands”. *Phys. Rev. Lett.* **79** (1997), 4100–4103.
- [259] W. Korten, B. Schulze, H. Hubel, S. Chmel, A. Görgen, U.J. van Severen, W. Pohler, R. Zinken, T. Hartlein, C. Ender, F. Kock, P. Reiter, D. Schwalm, F. Schindler, J. Gerl, R. Schubart, F. Azaiez, S. Bouneau, J. Duprat and I. Deloncle. “Conversion-electron spectroscopy in the decay of superdeformed  $^{135}\text{Nd}$ ”. *Z. Phys. A* **358** (1997), 217–218.
- [260] P. von Neumann-Cosel, J. Agramunt Ros, J. de Boer, R. Calabrese, A. Gadea, M. Górska, J. Gerl, J. Holoczek, M. Kaspar, I. Kozhoukharov, M. Loewe, H.J. Maier, P.J. Napiorkowsky, I. Peter, P. Reiter, M. Rejmund, A. Richter, H. Schaffner, C. Schlegel, R. Schubart, D. Schwalm, J. Srebrny, S. Wan, M. Wurkner and H.J. Wollersheim. “Coulomb excitation of  $^{180}\text{Ta}^m$  and its consequences for a possible s-process production”. *Nucl. Phys. A* **621** (1997), 278–281.
- [261] S. Wan, P. Reiter, J. Cub, H. Emling, J. Gerl, R. Schubart and D. Schwalm. “Gamma-spectroscopy of light neutron-rich nuclei after secondary reactions at relativistic energies”. *Z. Phys. A* **358** (1997), 213–215.
- [262] J.B. Fitzgerald, D. Habs, F. Heller, P. Reiter, D. Schwalm, P. Thirof and A. Wiswesser. “Fragment mass dependence of the high-energy gamma-ray spectrum in fission”. *Z. Phys. A* **355** (1996), 401–405.
- [263] W. Korten, P. Brocking, H. Hubel, W. Pohler, U.J. Vanseveren, P. Willsau, T. Haertelein, C. Ender, P. Reiter, D. Schwalm, J. Gerl, T. Happ, T. Kröll, M. Kaspar, I. Peter, S. Schremmer and K. Vetter. “Lifetime of the 2-Phonon Vibrational-State in  $^{232}\text{Th}$ ”. *Z. Phys. A* **351** (1995), 143–147.
- [264] H. Xie, C. Ender, J. Gerl, T. Hartlein, F. Kock, T. Kröll, P. Reiter, D. Schwalm, P. Thirof, K. Vetter, A. Wieswesser and H.J. Wollersheim. “Coulomb-Excitation of the  $K(\pi) = 8(-)$  isomer in  $^{178}\text{Hf}$ ”. *Phys. Rev. C* **48** (1993), 2517–2519.