

Publications

- M. W. Reed *et al.*
Schottky Measurements of Stored Hafnium and Tantalum Isomers
GSI Annual report, 2009
- M. W. Reed *et al.*
Discovery of Highly Excited Long-Lived Isomers in Neutron-Rich Hafnium and Tantalum Isotopes through Direct Mass Measurements
Physical Review Letters: Editors Selection 105, 172501 (2010)
- A. Gottardo, J.J. Valiente-Dobón, G. Benzoni, R. Nicolini, A. Gadea, S. Lunardi, P. Boutachkov, A.M. Bruce, M. Górska, J. Grebosz, S. Pietri, Zs. Podolyák, M. Pfützner, P.H. Regan, H. Weick, J. Alcántara Núñez, A. Algora, N. Al-Dahan, G. de Angelis, Y. Ayyad, N. Alkhomashi, P.R.P. Allegro, D. Bazzacco, J. Benlliure, M. Bowry, A. Bracco, M. Bunce, F. Camera, E. Casarejos, L. Cortes, F.C.L. Crespi, A. Corsi, A.M. Denis Bacelar, A. Deo, C. Domingo-Pardo, M. Doncel, Zs. Dombradi, T. Engert, K. Eppinger, G.F. Farrelly, F. Farinon, E. Farnea, H. Geissel, J. Gerl, N. Goel, E. Gregor, T. Haberman, R. Hoischen, 18 R. Janik, S. Klupp, I. Kojouharov, N. Kurz, S. Leoni, S. Mandal, R. Menegazzo, D. Mengoni, B. Million, D.R. Napoli, F. Naqvi, C. Nociforo, A. Prochazka, W. Prokopowicz, F. Recchia, R.V. Ribas, M.W. Reed, D. Rudolph, E. Sahin, H. Schaffner, A. Sharma, B. Sitar, D. Siwal, K. Steiger, P. Strmen, T.P.D. Swan, I. Szarka, C.A. Ur, P.M. Walker, O. Wieland, H-J. Wollersheim, F. Nowacki, E. Maglione, A.P. Zuker
Isomers in neutron-rich lead isotopes populated via the fragmentation of ^{238}U at 1 A-GeV
International Nuclear Physics Conference 2010 (INPC2010):
Journal of Physics: Conference Series 312 (2011) 092026
- T. P. D. Swan, P. M. Walker, Zs. Podolyák, M. W. Reed, G. D. Dracoulis, G. J. Lane, T. Kibédi, and M. L. Smith
Discovery of a nonyrast $K=8+$ isomer in ^{162}Dy , and the influence of competing K -mixing mechanisms on its highly forbidden decay
Physical Review C 83, 034322 (2011)
- M. G. Procter, D. M. Cullen, P. Ruotsalainen, T. Braunroth, A. Dewald, C. Fransen, T. Grahn, P. T. Greenlees, M. Hackstein, K. Hauschild, U. Jakobsson, P. M. Jones, R. Julin, S. Juutinen, S. Ketelhut, A. Lopez-Martens, M. Leino, J. Litzinger, P. J. R. Mason, P. Nieminen, P. Peura, P. Rahkila, M. W. Reed, S. Rice, S. Rinta-Antilla, W. Rother, M. Sandzelius, J. Saren, C. Scholey, J. Sorri, M. J. Taylor, J. Uusitalo, A. Vitturi, Y. Shi, F. R. Xu
Lifetime measurements in the transitional nucleus ^{138}Gd
Physical Review C 84, 024314 (2011)
- T. P. D. Swan, P. M. Walker, Zs. Podolyák, M. W. Reed, G. D. Dracoulis, G. J. Lane, T. Kibédi, and M. L. Smith
Discovery of isomers in dysprosium, holmium, and erbium isotopes with $N=94$ to 97
Physical Review C 85, 024313 (2012)
- M. W. Reed *et al.*
Technique for Resolving Low-lying Isomers in the Experimental Storage Ring (ESR) and the Occurrence of an Isomeric State in ^{192}Re
Rutherford Centenary Conference proceedings - J. Phys. Conf. Ser. 381 012058 (2012)

- M. G. Procter, D. M. Cullen, P. Ruotsalainen, T. Braunroth, A. Dewald, C. Fransen, T. Grahm, P. T. Greenlees, M. Hackstein, K. Hauschild, U. Jakobsson, P. M. Jones, R. Julin, S. Juutinen, S. Ketelhut, A. Lopez-Martens, M. Leino, J. Litzinger, P. J. R. Mason, P. Nieminen, P. Peura, P. Rahkila, M. W. Reed, S. Rice, S. Rinta-Antilla, W. Rother, M. Sandzelius, J. Saren, C. Scholey, J. Sorri, M. J. Taylor, J. Uusitalo, A. Vitturi, Y. Shi, F. R. Xu
X(5) critical-point symmetries in ^{138}Gd **Rutherford Centenary Conference proceedings - J. Phys. Conf. Ser. 381 012062 (2012)**
- M. Bunce, P. H. Regan, V. Werner, V. Anagnostatou, C. W. Beausang, M. Bowry, R. J. Casper-son, D. Chen, N. Cooper, P. Goddard, R. O. Hughes, G. Ilie, P. J. R. Mason, B. Pauerstein, M. W. Reed and T. J. Ross *A shell model study of the high spin states of ^{88}Y* **Rutherford Centenary Conference proceedings - J. Phys. Conf. Ser. 381 (2012)**
- T. P. D. Swan, P. M. Walker, Zs. Podolyák, M. W. Reed, G. D. Dracoulis, G. J. Lane, T. Kibédi, and M. L. Smith
Hindered decays from a non-yrast four-quasiparticle isomer in ^{164}Er
Physical Review C 86, 044307 (2012)
- 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. Cederkll, D. Cullen, T. Davinson, I. Dillmann, C. Dimopoulou, G. Dracoulis, Ch. E. Düllmann, 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. Mcher, I. Mukha, A. Müller, A. St. J. Murphy, G. Neyens, T. Nilsson, C. Nociforo, W. Nrtershuser, 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. Stlhker, 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, K. Zuber
European Physical Journal Special Topics
Storage ring at HIE-ISOLDE
- M. W. Reed *et al.*
Long-lived isomers in neutron-rich $Z = 72 - 76$ nuclides
Phys.Rev. C 86, 054321 (2012)
- A.Gottardo, J.J.Valiente-Dobon, G.Benzoni, R.Nicolini, A.Gadea, S.Lunardi, P.Boutachkov, A.M.Bruce, M.Gorska, J.Grebosz, S.Pietri, Zs.Podolyak, M.Pfutzner, P.H.Regan, H.Weick, J.Alcantara Nunez, A.Algora, N.Al-Dahan, G.de Angelis, Y.Ayyad, N.Alkhomashi, P.R.P.Allegro, D.Bazzacco, J.Benlliure, M.Bowry, A.Bracco, M.Bunce, F.Camera, E.Casarejos, M.L.Cortes, F.C.L.Crespi, A.Corsi, A.M.D.Bacelar, A.Y.Deo, C.Domingo-Pardo, M.Doncel, Zs.Dombradi, T.Engert, K.Eppinger, G.F.Farrelly, F.Farinon, E.Farnea, H.Geissel, J.Gerl, N.Goel, E.Gregor, T.Habermann, R.Hoischen, R.Janik, S.Klupp, I.Kojouharov, N.Kurz, S.M.Lenzi, S.Leoni, Mandal, R.Menegazzo, D.Mengoni, B.Million, A.I.Morales, D.R.Napoli, F.Naqvi, C.Nociforo, A.Prochazka, W.Prokopowicz, F.Recchia, R.V.Ribas,M.W.Reed, D.Rudolph, E.Sahin, H.Schaffner,

A.Sharma, B.Sitar, D.Siwal, K.Steiger, P.Strmen, T.P.D.Swan, I.Szarka, C.A.Ur, P.M.Walker, O.Wieland, H-J.Wollersheim, F.Nowacki, E.Maglione, A.P.Zuker

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

Physics Review Letters **109**, 162502 (2012)

- G. Benzoni, A. I. Morales, J. J. Valiente-Dobon, A. Gottardo, A. Bracco, F. Camera, F. C. L. Crespi, A. M. Corsi, S. Leoni, B. Million, R. Nicolini, O. Wieland, A. Gadea, S. Lunardi, P. Boutachkov, A. M. Bruce, M. Gorska, J. Grebosz, S. Pietri, Zs. Podolyak, M. Pfutzner, P. H. Regan, H. Weick, J. Alcantara Nunez, A. Algora, N. Al-Dahan, G. de Angelis, Y. Ayyad, N. Alkhomashi, P. R. P. Allegro, D. Bazzacco, J. Benlliure, M. Bowry, M. Bunce, E. Casarejos, M. L. Cortes, A. M. D. Bacelar, A. Y. Deo, C. Domingo-Pardo, M. Doncel, Zs. Dombradi, T. Engert, K. Eppinger, G. F. Farrelly, F. Farinon, E. Farnea, H. Geissel, J. Gerl, N. Goel, E. Gregor, T. Habermann, R. Hoischen, R. Janik, S. Klupp, I. Kojouharov, N. Kurz, S. Mandal, R. Menegazzo, D. Mengoni, D. R. Napoli, F. Naqvi, C. Nociforo, A. Prochazka, W. Prokopowicz, F. Recchia, R. V. Ribas, M. W. Reed, D. Rudolph, E. Sahin, H. Schaffner, A. Sharma, B. Sitar, D. Siwal, K. Steiger, P. Strmen, T. P. D.Swan, I. Szarka, C. A. Ur, P. M. Walker, H.-J. Wollersheim
First measurement of beta decay half-lives in neutron-rich Tl and Bi isotopes
Physics Letters B **715**, 293 (2012)
- E.Wilson, Zs.Podolyak, B.Fornal, R.V.F.Janssens, M.Bowry, M.Bunce, M.P.Carpenter, C.J.Chiaara, N.Cieplicka, A.Y.Deo, G.D.Dracoulis, H.Grawe, C.R.Hoffman, R.S.Kempley, F.G.Kondev, G.J.Lane, T.Lauritsen, M.W.Reed, P.H.Regan, C.Rodriguez Triguero, B.Szpak, P.M.Walker, S.Zhu
Core Excitations Across the Neutron Shell Gap in ^{207}Tl
Acta Phys.Pol. **B44**, 381 (2013)
- M.Bunce, P.H.Regan, V.Werner, C.W.Beausang, V.Anagnostatou, M.Bowry, R.J.Casperson, D.Chen, N.Cooper, P.M.Goddard, R.O.Hughes, G.Ilie, P.J.R.Mason, B.Pauerstein, M.W.Reed, T.J.Ross, E.C.Simpson
High-spin study of the shell model nucleus $^{88}\text{Y}_{49}$
Physical Review C **87**, 044337 (2013)