

Publication list 2007

1. Physical Review C 76, 034325 (2007)

Microscopic restoration of proton-neutron mixed symmetry in weakly collective nuclei
J.D. Holt, N. Pietralla, J.W. Holt, T.T.S. Kuo, **G. Rainovski**

2. Physical Review Letters 98, 102501 (2007)

Effect of g-softness on the stability of chiral geometry: spectroscopy of ^{106}Ag
P. Joshi, M. P. Carpenter, D. B. Fossan, T. Koike, E. S. Paul, **G. Rainovski**, K. Starosta, C. Vaman, R. Wadsworth

3. Physical Review C 76, 024307 (2007)

High-spin structure of ^{105}Ag : Search for chiral doublet bands
J. Timar, T. Koike, N. Pietralla, **G. Rainovski**, D. Sohler, T. Ahn, G. Berek, A. Costin, K. Dusling, T.C. Li, E.S. Paul, K. Starosta, C. Vaman

4. Nuclear Instruments & Methods in Physics Research A 579, 472(2007)

Polarization and relaxation of ^{209}Rn
E.R. Tardiff, T.E. Chupp, W. Lorenzon, S.R. Nuss-Warren, J.A. Behr, M.R. Pearson, K. Gulyuz, R.S. Lefferts, N. Pietralla, **G. Rainovski**, J.F. Sell, G.D. Sprouse

5. Physical Review C 76, 044315 (2007)

High-spin states in $^{191,193}\text{Au}$ and ^{192}Pt : Evidence for oblate deformation and triaxial shapes
Y. Oktem, D. L. Balabanski, B. Akkus, C. W. Beausang, M. Bostan, R. B. Cakirli, R. F. Casten, **M. Danchev**, M. Djongolov, M. N. Erduran, S. Erturk, **K. A. Gladniski**, G. Gürdal, J. Tm. Goon, D. J. Hartley, A. A. Hecht, R. Krücken, N. Nikolov, J. R. Novak, **G. Rainovski**, L. L. Riedinger, I. Yigitoglu, N. V. Zamfir, O. Zeidan

6. Physical Review C 76, 064302 (2007)

Intrinsic state lifetimes in ^{103}Pd and $^{106, 107}\text{Cd}$
S.F. Ashley, P.H. Regan, K. Andgren, E.A. McCutchan, N.V. Zamfir, L. Amon, R.B. Cakirli, R.F. Casten, R.M. Clark, W. Gelletly, G. Gurdal, K.L. Keyes, D.A. Meyer, M.N. Erduran, A. Papenberg, N. Pietralla, C. Plettner, **G. Rainovski**, R.V. Ribas, N.J. Thomas, J. Vinson, D.D. Warner, V. Werner, E. Williams, H.L. Liu, F.R. Xu

7. Physical Review C 75, 014313 (2007)

?-ray multipolarimetry between low-spin states of ^{136}Ce : Search for the $2^+_{1,ms}$ one-phonon mixed-symmetry state
T. Ahn, N. Pietralla, **G. Rainovski**, A. Costin, K. Dusling, T. C. Li, A. Linnemann, S. Pontillo

8. Acta Physica Polonica B38/4, p.1237 (2007)

“g factor measurements on relativistic isomeric beams produced by fragmentation and Ufission: the g-RISING project at GSI.”

G. Neyens, L. Atanasova, D.L. Balabanski, F. Becker, P. Bednarczyk, L. Caceres, P. Doornenbal, J. Gerl, M. Gorska, J. Grebosz, M. Hass, G. Ilie, N. Kurz, I. Kojouharov, R. Lozeva, A. Maj, M. Pfutzner, S. Pietri, Zs. Podolyak, W. Prokopowicz, T.R. Saitoh, H. Schaffner, G. Simpson, N. Vermeulen, E. Werner-Malento, J. Walker, H.J. Wollersheim, D. Bazzacco, G. Benzoni, A. Blazhev, N. Blasi, A. Bracco, C. Brandau, F. Camera, S.K. Chamoli, S. Chmel, F.C.L. Crespi, J.M. Daugas, M. De Rydt, P. Detistov, C. Fahlander, E. Farnea, G. Georgiev, **K. Gladnishki**, R. Hoischen, H. Hubel, M. Ionescu-Bujor, A. Iordachescu, J. Jolie, A. Jungclaus, M. Kmiecik, A. Krasznahorkay, R. Kulessa, S. Lakshmi, G. Lo Bianco, S. Mallion, K. Mazurek, W. Meczynski, D. Montanari, S. Myalsky, O. Perru, D. Rudolph, G. Russev, A. Saltarelli, R. Schwengner, J. Styczen, K. Turzo, J. Valente-Dubon, O. Wieland, M. Zieblinski

9. Acta Physica Polonica B38/4, p.1249 (2007)

“Quadrupole moments for isomeric states with normal and intruder configurations in neutron-deficient Pb nuclei”

M. Ionescu-Bujor, A. Iordachescu, N. Marginean, C.A. Ur, G. Suliman, D. Bucurescu, D.L. Balabanski, F. Brandolini, S. Chmel, **K.A. Gladnishki**, H. Hubel, R. Marginean, G. Neyens

10. Physics Letters B 650, 141–147 (2007)

“Shape coexistence in neutron-deficient Pb nuclei probed by quadrupole moment measurements”

M. Ionescu-Bujor, A. Iordachescu, N. Marginean, C.A. Ur, D. Bucurescu, G. Suliman, D.L. Balabanski, F. Brandolini, S. Chmel, P. Detistov, **K.A. Gladnishki**, H. Hübel, S. Mallion, R. Marginean, N.H. Medina, D.R. Napoli, G. Neyens, P. Pavan, R.V. Ribas, C. Rusu, K. Turzó and N. Vermeulen

11. Physical Review Letters 98, 122701 (2007)

“Coulomb excitation of the odd-odd nuclei 68;70Cu; first use of post-accelerated isomeric Beams”

I. Stefanescu, G. Georgiev, F. Ames, J. Aysto, D.L. Balabanski, G. Bollen, P. Butler, J. Cederkal, T. Davinson, A. De Maesschalck, P. Delahaye, J. Eberth, D. Fedorov, V. N.Fedoseyev, L.M.Fraile, S. Franchoo, **K. Gladnishki**, D. Habs, K. Heyde, M. Huyse, O. Ivanov, J. Iwanicki, J. Jolie, B. Jonson, Th. Kroll, R. Krücken, U. Koster, A. Lagoyannis, L. Liljeby, G.Lo Bianco, B.A. Marsh, O. Niedermaier, M. Oinonen, G. Pascovici, P. Reiter, A. Saltarelli, H.Scheit, D. Schwalm, T. Sieber, N. Smirnova, J. Van De Walle, P. Van Duppen, N. Warr, D.Weisshaar, F. Wenander

12. Progress in Particle and Nuclear Physics 59, 355–357 (2007)

“A RISING g-factor measurement of the 19/2⁺ isomer in ¹²⁷Sn”

L. Atanasova, D. L. Balabanski, M. Hass, F. Becker, P. Bednarczyk, S. K. Chamoli, P.Doornenbal, G. Georgiev, J. Gerl, **K. A. Gladnishki**, M. G_orska, J. Grebosz, S. Lakshmi, R.Lozeva, A. Maj, G. Neyens, M. Pfutzner, G. Simpson, N. Vermeulen, H. J. Wollersheim and the g-RISING collaboration