

# Publication list 2003

## **1. Acta Physica Polonica B34/4, p.2395 (2003)**

*“Isomer spectroscopy in the neutron-deficient lead region following projectile fragmentation”*

**K.A. Gladnishki**, Zs. Podolyàk, J. Gerl, M. Hellström, Y. Kopatch, S. Mandal, M. Górska, P.H. Regan, H.J. Wollersheim, A. Banu, G. Benzoni, H. Boardman, M. La Commara, J. Ekman, C. Fahlander, H. Geissel, H. Grawe, E. Kaza, A. Korgul, M. Matos, M.N. Mineva, R.D. Page, C.J. Pearson, C. Plettner, D. Rudolph, Ch. Scheidenberger, V. Shishkin, D. Sohler, K. Sümmerer, J.J. Valiente-Dobón, H. Weick, M. Winkler

## **2. Nuclear Physics A 722, p.273-278 (2003)**

*“Heavy nuclei studied in projectile fragmentation”*

Zs. Podolyàk, P.H. Regan, P.M. Walker, M. Caamãno, **K. Gladnishki**, J. Gerl, M. Hellström, P. Mayet, M. Pfützner, M. Mineva for the GSI ISOMER collaboration

## **3. Proc. Third Intern. Conf. Fission and Properties of Neutron-Rich Nuclei, Sanibel Island, USA, 2002, World Scientific (2003)**

*“Isomer spectroscopy of in-flight fission fragments near  $^{132}\text{Sn}$  at the GSI fragment separator”*

M. Hellström, M.N. Mineva, A. Blazhev, H.J. Boardman, J. Ekman, **K. Gladnishki**, H. Grawe, J. Gerl, R. Page Zs. Podolyàk and D. Rudolph for the GSI-FRS Isomer Collaboration

## **4. Nuclear Structure and Dynamics at the Limits”, Proceedings of the XXXI International Workshop on Gross Properties of Nuclei and Nuclear Excitations, Hirschegg, Austria, January 12 - 18, 2003, GSI, Darmstadt, pp. 72-77 (2003)**

*“Probing neutron-rich In and Cd nuclei with isomer spectroscopy”*

M. Hellström, M.N. Mineva, A. Blazhev, H.J. Boardman, J. Ekman, J. Gerl, **K. Gladnishki**, H. Grawe, R. Page, Z. Podoly'ak, D. Rudolph for the GSI-FRS-Isomer collaboration

**5. LNL Annual Report, p.23 (2003)**

*“Static electric quadrupole moments for the  $11^-$  and  $12^+$  isomers in  $^{192}\text{Pb}$ ”*

M. Ionescu-Bujor, A. Iordachescu, N. Marginean, C.A. Ur, D. Bucurescu, C. Rusu, G. Suliman, D. L. Balabanski, D. Bazzacco, F. Brandolini, M. De Poli, N.H. Medina, R. Menegazzo, P. Pavan, R.V. Ribas, C. Rossi Alvarez, P. Detistov, **K. Gladnishki**, S. Mallion, K. Turzo

**6. Proc. 22nd Nuclear Theory Workshop, Rila Mountains, Bulgaria, Heron Press, Sofia, (331-334) (2003)**

*“Search of chiral doublet bands at  $^{186,188}\text{Ir}$ ”*

N. I. Nikolov, **M. Danchev**, D. L. Balabanski, I. Yigitoglu, B. Akkus, C. W. Beusang, M. Bostan, R. F. Casten, M. Djongolov, M. N. Erduran, S. Erturk, **K.A. Gladnishki**, G. Gurdal, J. TM. Goon, D. J. Hartley, A. A. Hecht, R. Krücken, J. R. Novak, Y. Oktem, **G. Rainovski**, L. L. Riedinger, N. V. Zamfir, and O. Zeidan

**7. Meetings in Physics at University of Sofia, vol. 3, ed. A. Proykova, ISBN 954-580-120-4 Heron Press Science Series, Sofia (2003)**

*“Origin of the Backbending in  $ph_{9/2}$  Band of  $^{187}\text{Ir}$ ”*

**M. Danchev**, D.L. Balabanski, I. Yigitoglu, B. Akkus, C.W. Beusang, R.F. Casten, M. Djongolov, M.N. Erduran, S. Erturk, **K.A. Gladnishki**, J. Goon, D.J. Hartley, A.A. Hecht, R. Kruecken, J.R. Novak, Y. Oktem, **G. Rainovski**, L.L. Riedinger, N.V. Zamfir, O. Zeidan

**8. Journal of Physics G: Nucl. Part. Phys. 29, 2763 (2003)**

*Planar and aplanar tilted bands in the odd-odd nucleus  $^{132}\text{Cs}$*

**G. Rainovski**, E.S. Paul, H.J. Chantler, P.J. Nolan, D.G. Jenkins, R. Wadsworth, P. Raddon, A. Simons, D.B. Fossan, T. Koike, K. Starosta, C. Vaman, E. Farnea, A. Gadea, Th. Kröll, R. Isocrate, G. de Angelis, D. Curien, V.I. Dimitrov

**9. Phys.Lett. 551B, 262 (2003)**

*Limits of the energy-spin space beyond the proton drip line: entry distributions of Pt and Au isobars*

M.B.Smith, J.A.Cizewski, M.P.Carpenter, F.G.Kondev, T.L.Khoo, T.Lauritsen, R.V.F.Janssens, K.Abu Saleem, I.Ahmad, H.Amro, **M.Danchev**, C.N.Davids, D.J.Hartley, A.Heinz, C.J.Lister, W.C.Ma, G.L.Poli, J.Ressler, W.Reviol, L.L.Riedinger, D.Seweryniak, I.Wiedenhover

**10. Phys.Lett. B 560, 24 (2003)**

*Extending the region of triaxial superdeformation: candidate TSD bands in  $^{174}\text{Hf}$*

M.K.Djongolov, D.J.Hartley, L.L.Riedinger, F.G.Kondev, R.V.F.Janssens, K.Abu Saleem, I.Ahmad, D.L.Balabanski, M.P.Carpenter, P.Chowdhury, D.M.Cullen, **M.Danchev**, G.D.Dracoulis, H.El-Masri, J.Goon, A.Heinz, R.A.Kaye, T.L.Khoo, T.Lauritsen, C.J.Lister, E.F.Moore, M.A.Riley, D.Seweryniak, I.Shestakova, G.Sletten, P.M.Walker, C.Wheldon, I.Wiedenhover, O.Zeidan, J.-Y.Zhang

**11. Phys.Rev. C 67, 014312 (2003)**

*In-beam g-ray spectroscopy of  $^{172}\text{Pt}$*

**M.Danchev**, D.J.Hartley, F.G.Kondev, M.P.Carpenter, R.V.F.Janssens, L.L.Riedinger, K.H.Abu Saleem, I.Ahmad, H.Amro, D.L.Balabanski, J.A.Cizewski, C.N.Davids, A.Heinz, T.L.Khoo, T.Lauritsen, C.J.Lister, W.C.Ma, G.L.Poli, J.Ressler, W.Reviol, M.B.Smith, D.Seweryniak, I.Wiedenhover

**12. Physical Review C 68, 054307 (2003)**

*Delayed backbanding in  $ph_{9/2}$  band of  $^{187}\text{Ir}$*

**M. Danchev**, D.L. Balabanski, I. Yigitoglu, B. Akus, C.W. Beausnag, M. Bostan, R.F. Casten, M. Djongolov, N.M. Erduran, S. Erturk, **K.A. Gladnishki**, G. Gurdal, J. TM. Goon, D.J. Hartley, A.A. Hecht, R. Krücken, J.R. Novak, Y. Oktem, **G. Rainovski**, L.L. Riedinger, N.V. Zamfir, O. Zeidan

**13. Physical Review C 68, 024318 (2003)**

*Candidate chiral twin bands in the odd-odd nucleus  $^{132}\text{Cs}$ : Exploring the limits of  
chirality in the mass  $A \gg 130$  region*

**G. Rainovski**, E.S. Paul, H.J. Chantler, P.J. Nolan, D.G. Jenkins, R. Wadsworth, P. Raddon, A. Simons, D.B. Fossan, T. Koike, K. Starosta, C. Vaman, E. Farnea, A. Gadea, Th. Kröll, R. Isocrate, G. de Angelis, D. Curien, V.I. Dimitrov