

# Publication list 2004

## 1. Phys. Rev. C 69, 024617 (2004)

*“Angular momentum population in the fragmentation of  $^{238}\text{U}$  at 750 MeV/nucleon”*

**K.A. Gladnishki**, Zs. Podolyák, 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, P. M. Walker, H. Weick, M. Winkler

## 2. Physics Letters B 598, 178 (2004)

*Experimental evidence for chirality in the odd-A  $^{105}\text{Rh}$*

J. Timár, P. Joshi, K. Starosta, V.I. Dimitrov, D.B. Fossan, S. Frauendorf, J. Molnár, D. Sohler, R. Wadsworth, A. Algora, P. Bednarczyk, D. Curien, Zs. Dombrádi, G. Duchene, J. Gizon, A. Gizon, D. Jenkins, T. Koike, A. Krasznahorkay, E.S. Paul, P. Raddon, **G. Rainovski**, J.N. Scheurer, A. Simons, C. Vaman, T. Wilkinson, L. Zolnai

## 3. Physics Letters B 595, 135 (2004)

*Stability of chiral geometry in the odd-odd Rh isotopes: Spectroscopy of  $^{106}\text{Rh}$*

P. Joshi, D.G. Jenkins, P.M. Raddon, A.J. Simons, R. Wadsworth, A.R. Wilkinson, D.B. Fossan, T. Koike, K. Starosta, C. Vaman, J. Timár, Zs. Dombrádi, A. Krasznahorkay, J. Molnár, D. Sohler, L. Zolnai, A. Algora, E.S. Paul, **G. Rainovski**, J. Gizon, A. Gizon, P. Bednarczyk, D. Curien, G. Duchene, J.N. Scheurer

## 4. Eur. Phys. J. A 20, 191 (2004)

*Spectroscopic quadrupole moments of high-spin isomers in  $^{193}\text{Pb}$*

D.L. Balabanski, M. Ionescu-Bujor, A. Iordachescu, D. Bazzacco, F. Brandolini, D. Bucurescu, S. Chmel, **M. Danchev**, M. De Poli, G. Georgiev, H. Haas, H. Hubel, N. Marginean, R. Menegazzo, G. Neyens, P. Pavan, **G. Rainovski**, C. Rossi Alvarez, C.A. Ur, K. Vyvey, S. Frauendorf

**5. Physical Review C 70, 034305 (2004)**

*Quadrupole moments and g factors for high-spin neutron isomers in  $^{193}\text{Pb}$*

M. Ionescu-Bujor, A. Iordachescu, D.L. Balabanski, S. Chmel, G. Neyens, G. Baldsiefen, D. Bazzacco, F. Brandolini, D. Bucurescu, **M. Danchev**, M. De Poli, G. Georgiev, A. Gorgen, H. Haas, H. Hubel, G. Ilie, N. Marginean, R. Menegazzo, P. Pavan, **G. Rainovski**, R.V. Ribas, C. Rossi Alvarez, C.A. Ur, K. Vyvey, S. Frauendorf

**6. Phys.Rev. C 70, 054314 (2004)**

*Highly deformed Bands in  $^{175}\text{Hf}$*

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

**7. Balkan Physics Letters – Special Issue Proceedings of the “4 th International Balkan School on Nuclear Physics” September 22-29, Bodrum – Turkey (2004)**

*“Lifetimes in the  $ni^{-1}_{13/2} \otimes p(i_{13/2} h_{9/2}) MI$  band in  $^{193}\text{Pb}$ ”*

**K.A.Gladnishki**, D.L.Balabanski, P.Petkov, A.Dewald, D.Tonev, M.Axiotis, A.Fitzler, M.Danchev, S.Harissopulos, S.Lalkovski, N.Marginean, T.Martinez, O.Moeller, G.Neyens, A.Spyrou, E.A.Stefanova, C.Ur

**8. The Labyrinth in Nuclear Structure: International Conf. on The Labyrinth in Nuclear Structure, an EPS Nuclear Physics Divisional Conference. AIP Conference Proceedings, Volume 701, pp. 280-284 (2004).**

*“Angular momentum population in projectile fragmentation”*

Zs. Podolyák, **K.A. Gladnishki**, J. Gerl, M. Hellström, Y. Kopatch, S. Mandal, M. Górska, P.H. Regan, H.J. Wollersheim, K. –H. Schmidt and O. Yordanov for the GSI-ISOMER collaboration

**9. The XV International School on Nuclear Physics, Neutron Physics and Nuclear Energy, Varna, Bulgaria, September 9-13, 2003. BgNS Transactions, Vol. 9, 204 (2004).**

*“High spin states and shape changes in the transitional <sup>185,190</sup>Ir nuclei”*

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

**10. JINR-P3-2004-125 (2004)**

*“Registration of the  $\beta$ -Delayed Two-Neutron Emission from the Photofission Fragments of <sup>238</sup>U”*

Yu.L. Gangrsky, **K.Gladnishki**, V.I.Zhemenik, G.V.Myshinsky, Yu.E.Lenionzhkevich, E.A.Sokol