

List of publications

Assoc. Prof. Dr. Kalin Gladnishki

1) Phys.Lett. B 821, 10 (2021)

“New evidence for alpha clustering structure in the ground state band of ^{212}Po ”

Ma.von Tresckow, M.Rudigier, T.M.Shneidman, Th.Kröll, M.Boromiza, C.Clisu, C.Costache, D.Filipescu, N.M.Florea, I.Gheorghe, **K.Gladnishki**, A.Ionescu, D.Kocheva, R.Lică, N.Mărginean, R.Mărginean, K.R.Mashtakov, C.Mihai, R.E.Mihai, A.Negret, C.R.Nita, A.Olachel, A.Oprea, S.Pascu, G.Rainovski, T.Sava, M.Scheck, P.Spagnoletti, C.Sotty, L.Stan, I.Stiru, S.Toma, A.Turturică, S.Ujeniuc

2) Phys. Rev. C 104, 024321 (2021)

“Magnetic moment of the $11/2^-$ isomeric state in ^{99}Mo and neutron spin g factor quenching in $A \approx 100$ nuclei”

J. M. Daugas, B. Rosse, D. L. Balabanski, D. Bucurescu, S. Kisyov, P. H. Regan, G. Georgiev, L. Gaudefroy, **K. Gladnishki**, V. Méot, P. Morel, S. Pietri, O. Roig, and G. S. Simpson

3) Phys. Rev. C 104, 024311 (2021)

“Microscopic structure of the one-phonon 2^+ states of ^{208}Po ”

D. Kalaydjieva, D. Kocheva, G. Rainovski, V. Karayonchev, J. Jolie, N. Pietralla, M. Beckers, A. Blazhev, A. Dewald, M. Djongolov, A. Esmaylzadeh, C. Fransen, **K. A. Gladnishki**, A. Goldkuhle, C. Henrich, I. Homb, K. E. Ide, P. R. John, R. Kern, J. Kleemann, Th. Kröll, C. Müller-Gatermann, M. Scheck, P. Spagnoletti, M. Stoyanova, K. Stoychev, V. Werner, A. Yaneva, S. S. Dimitrova, G. De Gregorio, H. Năidja, and A. Gargano

4) Phys. Rev. C 103, 044309 (2021)

“Lifetimes and structures of low-lying negative-parity states of ^{209}Po ”

V. Karayonchev, M. Stoyanova, G. Rainovski, J. Jolie, A. Blazhev, M. Djongolov, A. Esmaylzadeh, C. Fransen, **K. Gladnishki**, L. Knafla, D. Kocheva, L. Kornwebel, J.-M. Régis, G. De Gregorio, and A. Gargano

5) Phys. Rev. C 102, 041304(R) (2020)

“Restoring the valence-shell stabilization in ^{140}Nd ”

R. Kern, R. Zidarova, N. Pietralla, G. Rainovski, R. Stegmann, A. Blazhev, A. Boukhari, J. Cederkäll, J. G. Cubiss, M. Djongolov, C. Fransen, L. P. Gaffney, **K. Gladnishki**, E. Giannopoulos, H. Hess, J. Jolie, V. Karayonchev, L. Kaya, J. M. Keatings, D. Kocheva, Th. Kröll, O. Möller, G. G. O'Neill, J. Pakarinen, P. Reiter, D. Rosiak, M. Scheck, J. Snall, P.-A. Söderström, P. Spagnoletti, M. Stoyanova, S. Thiel, A. Vogt, N. Warr, A. Welker, V. Werner, J. Wiederhold, and H. De Witte

6) European Physical Journal A 56, 246 (2020)

“Experimental evidence for low-lying quadrupole isovector excitation of ^{208}Po ”

A. Yaneva, D. Kocheva, G. Rainovski, J. Jolie, N. Pietralla, A. Blazhev, A. Dewald, M. Djongolov, C. Fransen, **K. A. Gladnishki**, C. Henrich, I. Homm, K. E. Ide, P. R. John, D. Kalaydjieva, V. Karayonchev, R. Kern, J. Kleemann, Th. Kröll, C. Müller-Gatermann, M. Scheck, P. Spagnoletti, M. Stoyanova & V. Werner

7) Journal of Physics: Conference Series, 1555, 012019 (2020)
XXIII International School on Nuclear Physics, Neutron Physics and Applications 22-28 September 2019, Varna, Bulgaria

“Evolution of the structure of the 4^+_1 states in Po isotopes”

M. Stoyanova, V. Karayonchev, G. Rainovski, J. Jolie, N. Pietralla, A. Blazhev, A. Dewald, M. Djongolov, A. Esmaylzadeh, C. Fransen, J. Garbe, L. Gerhard, **K. A. Gladnishki**, K. Ide, P. R. John, R. Kern, J. Kleemann, D. Kocheva, Th. Kröll, C. Müller-Gatermann, J.-M. Régis, P. Spagnoletti, V. Werner and A. Yaneva

8) Journal of Physics: Conference Series, 1555, 012020 (2020)
XXIII International School on Nuclear Physics, Neutron Physics and Applications 22-28 September 2019, Varna, Bulgaria

“Lifetime measurements of the low-lying excited states of ^{208}Po ”

D. Kocheva, A. Yaneva, D. Kalaydjieva, G. Rainovski, J. Jolie, N. Pietralla, M. Beckers, A. Blazhev, L. Bussmann, M. Cappellazzo, A. Dewald, F. Diel, M. Djongolov, F. Dunkel, A. Esmaylzadeh, B. Falk, C. Fransen, J. Garbe, L. Gerhard, R.-B.

Gerst, **K. A. Gladnishki**, A. Goldkuhle, G. Hackenberg, C. Henrich, I. Homm, K. Ide, V. Karayonchev, R. Kern, J. Kleeman, L. Knafla, L. Kornwebel, Th. Kröll, M. Ley, C. Müller-Gatermann, M. Scheck, T. Schmidt, P. Spagnoletti, M. Stoyanova and V. Werner

9) Journal of Physics: Conference Series, 1555, 012027 (2020)
XXIII International School on Nuclear Physics, Neutron Physics and Applications 22-28 September 2019, Varna, Bulgaria

“Coulomb Excitation of Proton-rich $N = 80$ Isotones at HIE-ISOLDE”

Ralph Kern, Radostina Zidarova, Norbert Pietralla, Georgi Rainovski, Liam P. Gaffney, Andrey Blazhev, Amar Boukhari, Joakim Cederkäll, James G. Cubiss, Martin Djongolov, Christoph Fransen, **Kalin Gladnishki**, Efstathios Giannopoulos, Herbert Hess, Jan Jolie, Vasil Karayonchev, Levent Kaya, James M. Keatings, Diana Kocheva, Thorsten Kröll, Oliver Möller, George G. O'Neill, Janne Pakarinen, Peter Reiter, Dawid Rysiak, Marcus Scheck, Jacob Snell, Pär-Anders Söderström, Pietro Spagnoletti, Robert Stegmann, Milena Stoyanova, Stefan Thiel, Andreas Vogt, Nigel Warr, Andree Welker, Volker Werner, Johannes Wiederhold and Hilde De Witte

10) European Physical Journal A 56, 137 (2020)

“Physics opportunities with the Advanced Gamma Tracking Array: AGATA”

W. Korten, A. Atac, D. Beaumel, P. Bednarczyk, M. A. Bentley, G. Benzoni, A. Boston, A. Bracco, J. Cederkäll, B. Cederwall, M. Ciemała, E. Clément, F. C. L. Crespi, D. Curien, G. de Angelis, F. Didierjean, D. T. Doherty, Zs. Dombradi, G. Duchêne, J. Dudek, B. Fernandez-Dominguez, B. Fornal, A. Gadea, L. P. Gaffney, J. Gerl, **K. Gladnishki**, A. Goasduff, M. Górski, P. T. Greenlees, H. Hess, D. G. Jenkins, P. R. John, A. Jungclaus, M. Kmiecik, A. Korichi, M. Labiche, S. Leoni, J. Ljungvall, A. Lopez-Martens, A. Maj, D. Mengoni, B. Million, A. Nannini, D. Napoli, P. J. Nolan, J. Nyberg, A. Obertelli, J. Pakarinen, N. Pietralla, Zs. Podolyák, B. Quintana, R. Raabe, G. Rainovski, F. Recchia, P. Reiter, D. Rudolph, J. Simpson, Ch. Theisen, D. Tonev, A. Tumino, J. J. Valiente-Dobón, O. Wieland, K. Wimmer, M. Zielińska & the AGATA Collaboration

11) European Physical Journal A 56, 147 (2020)

“Benchmarking the PreSPEC@GSI experiment for Coulex-multipolarimetry on the $\pi(p_{3/2}) \rightarrow \pi(p_{1/2})\pi(p_{3/2}) \rightarrow \pi(p_{1/2})$ spin-flip transition in ^{85}Br ”

P. Napiralla, M. Lettmann, C. Stahl, G. Rainovski, N. Pietralla, S. Afara, F. Ameil, T. Arici, S. Aydin, D. Barrientos, P. Bednarczyk, M. A. Bentley, G. Benzoni, B. Birkenbach, A. Blazhev, A. J. Boston, P. Boutachkov, A. Bracco, B. Bruyneel, E. Clément, M. L. Cortés, F. C. L. Crespi, D. M. Cullen, D. Curien, P. Désesquelles, F. Didierjean, C. Domingo-Pardo, G. Duchêne, J. Eberth, H. Egger, C. Fahlander, J. Gerl,

K. A. Gladnishki, P. Golubev, V. González, M. Górski, A. Gottardo, L. Grassi, T. Habermann, L. J. Harkness-Brennan, H. Hess, D. G. Jenkins, P. R. John, J. Jolie, D. S. Judson, I. Kojouharov, W. Korten, M. Labiche, N. Lalović, C. Lizarazo, C. Louchart-Henning, A. Maj, R. Menegazzo, D. Mengoni, E. Merchan, B. Million, O. Möller, T. Möller, K. Moschner, V. Modamio, D. Napoli, B. S. Nara Singh, Zs. Podolyák, S. Pietri, D. Ralet, M. Reese, P. Reiter, D. Rudolph, E. Sanchis, L. G. Sarmiento, H. Schaffner, J. Simpson, P. P. Singh, J. J. Valiente-Dobón, V. Werner & O. Wieland

12) Phys. Rev. C 100, 064304 (2019)

“Lifetimes of the 4^+_1 states of ^{206}Po and ^{204}Po : A study of the transition from noncollective seniority-like mode to collectivity”

M. Stoyanova, G. Rainovski, J. Jolie, N. Pietralla, A. Blazhev, M. Beckers, A. Dewald, M. Djongolov, A. Esmaylzadeh, C. Fransen, L. M. Gerhard, **K. A. Gladnishki**, S. Herb, P. R. John, V. Karayonchev, J. M. Keatings, R. Kern, L. Knafla, D. Kocheva, L. Kornwebe, Th. Kröll, M. Ley, K. M. Mashtakov, C. Müller-Gatermann, J.-M. Régis, M. Scheck, K. Schomacker, J. Sinclair, P. Spagnoletti, C. Sürder, N. Warr, V. Werner, and J. Wiederhold

13) EPJ Web Conf. 194, 03003 (2018)

International Conference on Nuclear Structure and Related Topics (NSRT18)

“Search for Isovector Valence-Shell Excitations in ^{140}Nd and ^{142}Sm via Coulomb excitation reactions of radioactive ion beams”

Ralph Kern¹, Robert Stegmann, Norbert Pietralla, Georgi Rainovski, Liam Paul Gaffney, Andrey Blazhev, Amar Boukhari, Joakim Cederkäll, James Cubiss, Martin Djongolov, Christoph Fransen, **Kalin Gladnishki**, Efstathios Giannopoulos, Herbert Hess, Jan Jolie, Vasil Karayonchev, Levent Kaya, James Keatings, Diana Kocheva, Thorsten Kröll, Oliver Möller, George O'Neill, Janne Pakarinen, Peter Reiter, Dawid Rosiak, Marcus Scheck, Jacob Snall, Pär-Anders Söderström, Pietro Spagnoletti, Milena Stoyanova, Stefan Thie, Andreas Vogt, Nigel Warr, Andree Welker, Volker Werner, Johannes Wiederhold, Hilde De Witte and Radostina Zidarova

14) EPJ Web Conf. 194, 03004 (2018)

International Conference on Nuclear Structure and Related Topics (NSRT18)

“Lifetimes and electromagnetic transition strength in ^{124}Ba ”

Mariya Trichkova, Marcel Beckers, **Kalin Gladnishki**, Alfred Dewald, Andrey Blazhev, Claus Müller-Gatermann, Christoph Fransen, Jan Jolie, Desislava Kalaydjieva, Georgi Rainovski and Karl-Oskar Zell

15) EPJ Web Conf. 194, 03002 (2018)

International Conference on Nuclear Structure and Related Topics (NSRT18)

*“A study on the transition between seniority-type and collective excitations
in ^{204}Po and ^{206}Po ”*

Milena Stoyanova, Georgi Rainovski, Jan Jolie, Norbert Pietralla, Andrey Blazhev, Martin Djongolov, Arwin Esmaylzadeh, Lisa Gerhard, **Kalin Gladnishki**, Vasil Karayonchev, James Keatings, Ralph Kern, Diana Kocheva, Thorsten Kröll, Konstantin Mashtakov, Oliver Möller, Jean-Marc Régis, Marcus Scheck, Kerstin Schomacker, Jacqueline Sinclair, Chistian Sürder, Volker Werner and Johannes Wiederhold

16) Journal of Physics: Conference Series 1023, 012019 (2018)

**XXII International School on Nuclear Physics, Neutron Physics and
Applications 10–16 September 2017, Varna, Bulgaria**

“Low collectivity of the first 2^+ states of $^{212,210}\text{Po}$ ”

D. Kocheva, G. Rainovski, J. Jolie, N. Pietralla, A. Blazhev, A. Astier, R. Altenkirch, M. Bast, M. Beckers, S. Ansari, Th. Braunroth, M. Cappellazzo, M.L. Cortés, A. Dewald, F. Diel, M. Djongolov, C. Fransen, **K. Gladnishki**, A. Goldkuhle, A. Hennig, V. Karayonchev, J.M. Keatings, E. Kluge, Th. Kröll, J. Litzinger, K. Moschner, C. Müller-Gattermann, P. Petkov, M. Rudigier, M. Scheck, P. Spagnoletti, Ph. Scholz, T. Schmidt, M. Spieker, C. Stahl, R. Stegmann, A. Stolz, A. Vogt, M. Stoyanova, P. Thöle, N. Warr, V. Werner, W. Witt, D. Wölk, J.C. Zamora, K.O. Zell, P. Van Isacker and V.Yu. Ponomarev

17) Physical Review C96(4),044305 (2017)

“Low collectivity of the 2^+_1 state of ^{212}Po ”

D. Kocheva, G. Rainovski, J. Jolie, N. Pietralla, A. Blazhev, R. Altenkirch, S. Ansari, A. Astier, M. Bast, M. Beckers, Th. Braunroth, M. Cappellazzo, A. Dewald, F. Diel, M. Djongolov, C. Fransen, **K. Gladnishki**, A. Goldkuhle, A. Hennig, V. Karayonchev, J. M. Keatings, E. Kluge, Th. Kröll, J. Litzinger, K. Moschner, C. Müller-Gattermann, P. Petkov, M. Scheck, Ph. Scholz, T. Schmidt, P. Spagnoletti, C. Stahl, R. Stegmann, A. Stolz, A. Vogt, N. Warr, V. Werner, D. Wölk, J. C. Zamora, K. O. Zell, V. Yu. Ponomarev and P. Van Isacker

18) European Physical Journal A 53(9), 175 (2017)

“A revised $B(E2; 2^+_1 \rightarrow 0^+_1)$ value in the semi-magic nucleus ^{210}Po ”

D. Kocheva, G. Rainovski, J. Jolie, N. Pietralla, A. Blazhev, A. Astier, R. Altenkirch, S. Ansari, Th. Braunroth, M. L. Cortés, A. Dewald, F. Diel, M. Djongolov, C. Fransen, **K. Gladnishki**, A. Hennig, V. Karayonchev, J. M. Keatings, E. Kluge, J. Litzinger, C. Müller-Gatermann, P. Petkov, M. Rudigier, M. Scheck, Ph. Scholz, P. Spagnoletti, M. Spieker, C. Stahl, R. Stegmann, M. Stoyanova, P. Thöle, N. Warr, V. Werner, W. Witt, D. Wölk, K. O. Zell, P. Van Isacker & V. Yu. Ponomarev

19) Phys. Rev. C 96, 024324 (2017)

“Lifetimes and electromagnetic transition strengths in ^{157}Dy ”

K. A. Gladnishki, P. Petkov, O. Möller, A. Dewald, J. Jolie, D. Tonev, M. Trichkova, S. Heinze, P. von Brentano, D. Bazzacco, C. A. Ur, E. Farnea, M. Axiotis, S. Lunardi, G. de Angelis, D. R. Napoli, N. Marginean, T. Martinez, M. A. Caprio, and G. Rainovski

20) Phys. Rev. C 95, 014309 (2017)

“Lifetime measurements in ^{100}Ru ”

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. Harissopoulos, 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

21) Journal of Physics: Conference Series 724, 012023 (2016)

XXI International School on Nuclear Physics and Applications & International Symposium on Exotic Nuclei (ISEN-2015)6–12 September 2015, Varna, Bulgaria

“Search for mixed-symmetry states in ^{212}Po ”

D. Kocheva, G. Rainovski, J. Jolie, N. Pietralla, C. Stahl, P. Petkov, A. Blazhev, A. Hennig, A. Astier, Th. Braunroth, L. Cortes, A. Dewald, M. Djongolov, C. Fransen, **K. Gladnishki**, V. Karayonchev, J. Litzinger, C. Müller-Gatermann, M. Scheck, Ph. Scholz, C. Schramm, P. Tölle, V. Werner, W. Witt, D. Wölk and P. Van Isacker

22) Journal of Physics: Conference Series 724, 012017 (2016)

XXI International School on Nuclear Physics and Applications & International Symposium on Exotic Nuclei (ISEN-2015)6–12 September 2015, Varna, Bulgaria

“Lifetimes and electromagnetic transition strength in ^{157}Dy ”

K. A. Gladnishki, P Petkov, A Dewald, J Jolie, O Möller, B Saha, A Fitzler, K Jessen, D Tonev, T Klug, S Heinze, P von Brentano, G Rainovski, M Trichkova, D Bazzacco, C A Ur, E Farnea, M Axiotis, S Lunardi, G de Angelis, D R Napoli, N Marginean, T Martinez and M A Caprio

23) EPJ Web of Conferences 107, (2016)

International Conference on Nuclear Structure and Related Topics (NSRT15)

“Search for mixed-symmetry states of nuclei in the vicinity of the double-magic nucleus ^{208}Pb ”

D. Kocheva, R. Stegmann, G. Rainovski, J. Jolie, N. Pietralla, C. Stahl, P. Petkov, A. Blazhev, A. Hennig, C. Bauer, Th. Braunroth, M.P. Carpenter, L. Cortes, A. Dewald, M. Djongolov, C. Fransen, **K. Gladnishki**, R.V.F. Janssens, V. Karayonchev, M. Lettmann, C.J. Lister, J. Litzinger, Th. Möller, C. Möller-Gatermann, M. Scheck, Ph. Scholz, C. Schramm, P. Thöle, V. Werner, D. Wölk, S. Zhu and P. Van Isacker

24) Phys. Rev. C 93, 011303 (2016)

“Low-lying isovector 2^+ valence-shell excitations of ^{212}Po ”

D. Kocheva, G. Rainovski, J. Jolie, N. Pietralla, C. Stahl, P. Petkov, A. Blazhev, A. Hennig, A. Astier, Th. Braunroth, M. L. Cortes, A. Dewald, M. Djongolov, C. Fransen, **K. Gladnishki**, V. Karayonchev, J. Litzinger, C. Muller-Gatermann, M. Scheck, Ph. Scholz, R. Stegmann, P. Thole, V. Werner, W. Witt, D. Wolk, and P. Van Isacker

25) Phys. Rev. Lett. 114, 062501 (2015)

“Magnetism of an Excited Self-Conjugate Nucleus: Precise Measurement of the g Factor of the 2^+_1 State in ^{24}Mg ”

A. Kusoglu, A. E. Stuchbery, G. Georgiev, B. A. Brown, A. Goasduff, L. Atanasova, D. L. Balabanski, M. Bostan, M. Danchev, P. Detistov, **K. A. Gladnishki**, J. Ljungvall, I. Matea, D. Radeck, C. Sotty, I. Stefan, D. Verney, and D. T. Yordanov

26) Phys. Rev. C 91, 054326 (2015)

“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}Sm ”

R. Stegmann, C. Bauer, G. Rainovski, N. Pietralla, C. Stahl, S. Bonig, 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. Thole, T. Thomas, M. Thurauf, M. J. Vermeulen, D. Voulot, N. Warr, F. Wenander, V. Werner, and H. De Witte

27) Journal of Physics: Conference Series 590, 012041(2015)
NUBA Conference Series -1: Nuclear Physics and Astrophysics 15–21
September 2014, Antalya, Turkey

“Nuclear g-factor measurement with time-dependent recoil in vacuum in radioactive-beam geometry”

A Kusoglu, A E Stuchbery, G Georgiev, A Goasduff, L Atanasova, D L Balabanski, M Bostan, M Danchev, P Detistov, **K Gladnishki**, J Ljungvall, I Matea, D Radeck, C Sotty, I Stefan, D Verney and D T Yordanov

28) Phys.Rev. C 90, 044317 (2014)

“E0 decay from the first 0^+ state in ^{156}Dy and ^{160}Er ”

N. Blasi, L. Atanasova, D. Balabanski, S. Das Gupta, **K. Gladinski**, L. Guerro, S. Nardelli, and A. Saltarelli

29) Journal of Physics: Conference Series 533, 012034 (2014)
XX International School on Nuclear Physics, Neutron Physics and
Applications (Varna2013) 16–22 September 2013, Varna, Bulgaria

“Different collectivity in the two signatures of the $i_{13/2}$ stemming band in ^{167}Yb ”

P Petkov, **K A Gladnishki**, A Dewald, O Möller, I Deloncle, M Reese, C Fransen, M Hackstein, J Jolie, Th Pissulla, W Rother and K O Zell

30) Phys.Rev. C 88, 021302 (2013)

“Local suppression of collectivity in the $N=80$ isotones at the $Z=58$ subshell closure”

Bauer C., Rainovski G., Pietralla N., Bianco D., Blazhev A., Bloch T., Bönig S., Damyanova A., Danchev M., **Gladnishki K.A.**, Kröll T., Leske J.

31) Nucl. Phys. A 903, 1-17 (2013)

“Plunger lifetimes and electromagnetic transition strengths in odd ^{167}Yb ”

K.A.Gladnishki, P.Petkov, A.Dewald, O.Möller, I.Deloncle, D.Tonev, M.Reese, C.Fransen, M.Hackstein, J.Jolie, Th.Pissulla, W.Rother, K.O.Zell

32) CERN-Proceedings Pages 301 – 306, (2013)
**13th International Varenna Conference on Nuclear Reaction Mechanisms,
NRM 2012**

*“Emerging simplicity: Evidence for the formation of collectivity from hadronic
and EM probes”*

Pietralla N, Möller Th, Ahn T., Bauer Ch., Coquard L., Danchev M., Gladnishki K. A.,
Krugmann A., Leske J., Möller O., Von Neumann-Cosel P., Ponomarev V.Yu.

33) EPJ Web of Conferences 38, 10001 (2012)
**Nsrt12 - International Conference on Nuclear Structure and Related Topics,
2012**

“Progress on the study of nuclear states with mixed proton-neutron symmetry”

N. Pietralla, Th. Möller, T. Ahn, Ch. Bauer, L. Coquard, M. Danchev, K.A. Gladnishki,
A. Krugmann, J. Leske, O. Möller, P. von Neumann-Cosel, V.Yu. Ponomarev, G.
Rainovski, A. Scheikh Obeid, M. Scheck, Ch. Walz and J. Wambach

34) Phys.Rev. C 86, 054305 (2012)

„Triaxial deformation and nuclear shape transition in ^{192}Au “

Y. Oktem, D. L. Balabanski, B. Akkus, L. Amon Susam, L. Atanasova, C. W. Beausang,
R. B. Cakirli, R. F. Casten, M. Danchev, M. Djongolov, E. Ganioglu, K. A. Gladnishki,
J. Tm. Goon, D. J. Hartley, A. A. Hecht, R. Krücken, J. R. Novak, G. Rainovski, L. L.
Riedinger, T. Venkova, I. Yigitoglu, N. V. Zamfir, and O. Zeidan

35) Nucl. Phys. A 877, 19 (2012)

„Yrast electromagnetic transition strengths and shape coexistence in ^{182}Pt “

K.A.Gladnishki, P.Petkov, A.Dewald, C.Fransen, M.Hackstein, J.Jolie, Th.Pissulla,
W.Rother, K.O.Zell

36) Journal of Physics: Conference Series 381(1),012047 (2012)

**Proceedings of the Rutherford Centennial Conference on Nuclear Physics
Manchester, UK, 8-12 August 2011**

“On the origin of low-lying M1 strength in even-even nuclei”

G. Rainovski, M. Danchev, N. Pietralla, A. Gargano, A. Covello, C. Baktash, J. R. Beene, C. R. Bingham, A. Galindo-Uribarri, **K. A. Gladnishki**, C. J. Gross, V. Yu. Ponomarev, D. C. Radford, L. L. Riedinger, M. Scheck, A. E. Stuchbery, J. Wambach, C.-H. Yu, and N. V. Zamfir

**37) Journal of Physics: Conference Series 366, 012020 (2012)
Proceedings of the 19th International School on Nuclear Physics, Neutron
Physics and Applications, Varna, Bulgaria, September 19-25, 2011**

„Search for one-phonon mixed-symmetry states in the radioactive nucleus ^{140}Nd ”

K.A.Gladnishki, G.Rainovski, P.Petkov, J.Jolie, N.Pietralla, A.Blazhev, A.Damyanova, M.Danchev, A.Dewald, C.Fransen, M.Hackstein, O.Moller, T.Pissulla, M.Reese, W.Rother

**38) Journal of Physics: Conference Series 366, 012008 (2012)
Proceedings of the 19th International School on Nuclear Physics, Neutron
Physics and Applications, Varna, Bulgaria, September 19-25, 2011**

„One-phonon isovector $2^+_{1,MS}$ state in the neutron-rich nucleus ^{132}Te ”

M.Danchev, G.Rainovski, N.Pietralla, A.Gargano, A.Covello, C.Baktash, J.R.Beene, C.R.Bingham, A.Galindo-Uribarri, **K.A.Gladnishki**, C.J.Gross, V.Yu.Ponomarev, D.C.Radford, L.L.Riedinger, M.Scheck, A.E.Stuchbery, J.Wambach, C.-H.Yu, N.V.Zamfir

**39) Journal of Physics: Conference Series 366, 012036 (2012)
Proceedings of the 19th International School on Nuclear Physics, Neutron
Physics and Applications, Varna, Bulgaria, September 19-25, 2011**

„ ^{182}Pt : A possible candidate for X(5) symmetry?”

P.Petkov, **K.A.Gladnishki**, A.Dewald, C.Fransen, M.Hackstein, J.Jolie, Th.Pissulla, W.Rother, K.O.Zell

40) Phys.Rev. C 84, 061306 (2011)

„One-phonon isovector $2^+_{1,MS}$ state in the neutron-rich nucleus ^{132}Te ”

M.Danchev, G.Rainovski, N.Pietralla, A.Gargano, A.Covello, C.Baktash, J.R.Beene, C.R.Bingham, A.Galindo-Uribarri, **K.A.Gladnishki**, C.J.Gross, V.Yu.Ponomarev, D.C.Radford, L.L.Riedinger, M.Scheck, A.E.Stuchbery, J.Wambach, C.-H.Yu, N.V.Zamfir

41) Phys.Rev. C 84, 064323 (2011)

„Coulomb excitation of the 3^- isomer in ^{70}Cu ”

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.Hadynska, H.Hess, K.Heyde, M.Huyse, O.Ivanov, J.Iwanicki, J.Jolie, M.Kalkuehler, Th.Kroll, R.Krucken, U.Koster, 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, M.Zielinska

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„E0 decay of the 0^+_{2-} levels in ^{156}Dy and ^{160}Er ”

G Lo Bianco, D L Balabanski, S Nardelli, S Das Gupta, N Blasi, **K Gladnishki**, A Saltarelli and L Fortunato

43) Phys.Rev. C 82, 037302 (2010)

“Search for one-phonon mixed-symmetry states in the radioactive nucleus ^{140}Nd ”

K.A.Gladnishki, G.Rainovski, P.Petkov, J.Jolie, N.Pietralla, A.Blazhev, A.Damyanova, M.Danchev, A.Dewald, C.Fransen, M.Hackstein, D.Karagyozev, O.Moller, T.Pissulla, M.Reese, W.Rother, R.Topchiyska

44) Europhys.Lett. 91, 42001 (2010)

„g-factor measurements at RISING: The cases of ^{127}Sn and ^{128}Sn ”

L.Atanasova, D.L.Balabanski, S.K.Chamoli, M.Hass, G.S.Simpson, D.Bazzacco, F.Becker, P.Bednarczyk, G.Benzoni, N.Biasi, A.Blazhev, A.Bracco, C.Brandau, L.Caceres, F.Camera, F.C.L.Crespi, P.Detistov, P.Doornenbal, C.Fahlander, E.Farnea, G.Georgiev, J.Gerl, K.A.Gladnishki, M.Gorska, J.Grebosz, R.Hoischen, G.Ilie, M.Ionescu-Bujor, A.Iordachescu, A.Jungclaus, G.Lo Bianco, M.Kmiecik, I.Kojouharov, N.Kurz, S.Lakshmi, R.Lozeva, A.Maj, D.Montanari, G.Neyens, M.Pfutzner, S.Pietri, Zs.Podolyak, W.Prokopowicz, D.Rudolph, G.Rusev, T.R.Saito, A.Saltarelli, H.Schaffner, R.Schwengner, S.Tashenov, J.J.Valiente-Dobon, N.Vermeulen, J.Walker, E.Werner-Malento, O.Wieland, H.J.Wollersheim, H.Grawe, M.Hjorth-Jensen

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J.Diriken, I.Stefanescu, D.Balabanski, N.Biasi, A.Blazhev, N.Bree, J.Cederkall, T.E.Cocolios, T.Davinson, J.Eberth, A.Ekstrom, 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.Kroll, R.Krucken, U.Koster, 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, K.Wrzosek

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“Evolution and shell stabilization of proton-neutron mixed symmetry states in the mass $A \approx 130$ region”

G. Rainovski, N. Pietralla, T. Ahn, C. Bauer, M.P. Carpenter, L. Coquard, A. Damyanova, M. Danchev, K. Gladnishki, R.V.F. Janssens, D. Karagiozov, J. Leske, C.J. Lister, Th. Möller, R. Topchiiska, S. Zhu

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“Spin-alignment and g -factor measurement of the $I^\pi = 12^+$ isomer in ^{192}Pb produced in the relativistic-energy fragmentation of a ^{238}U beam”

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“Experimental studies of proton-neutron mixed symmetry states in the mass $A \approx 130$ region”

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Y. Oktem, D. L. Balabanski, B. Akkus, C. W. Beausang, M. Bostan, R. F. Casten, M. Danchev, M. Djongolov, M. N. Erduran, S. Erturk, **K. A. Gladnishki**, G. Gúrda, 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, and O. Zeidan

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