

**Prof. P.H. Regan, List of Publications in Refereed Journals to 14 December 2011.**

\* = Major contribution as spokesperson, research student/research fellow supervisor etc.

1. \**Evidence for an  $i_{13/2}$  Neutron Band in  $^{133}\text{Sm}$ .*  
R. Wadsworth, **P.H. Regan**, S.M. Mullins, G.J. Gyapong, D.L. Watson, P.J. Nolan, M.J. Godfrey, I. Jenkins, Y-J. He, B.J. Varley, W. Gelletly and J. Simpson, *Zeitschrift fur Physik A333* (1989) p409-410 [**10 citations**]
2. \**Yrast Band Spectroscopy of  $^{132}\text{Sm}$  and  $^{130}\text{Nd}$ .*  
R. Wadsworth, **P.H. Regan**, S.M. Mullins, G.J. Gyapong, D.L. Watson, P.J. Nolan, M.J. Godfrey, I. Jenkins, Y-J. He, B.J. Varley, W. Gelletly and J. Simpson, *Zeitschrift fur Physik A333* (1989) p411-412 [**14 citations**]
3. *Landau-Zener Crossing in Superdeformed  $^{193}\text{Hg}$ : Evidence for Octupole Correlations in Superdeformed Nuclei.*  
D.M. Cullen, M.A. Riley, A. Alderson, I. Ali, T. Bengtsson, M.A. Bentley, A.M. Bruce, P. Fallon, P.D. Forsyth, F. Hanna, S.M. Mullins, W. Nazarewicz, R.J. Poynter, **P.H. Regan**, J.W. Roberts, W. Satula, J.F. Sharpey-Schafer, J. Simpson, G. Sletten, P.J. Twin, R. Wadsworth and R. Wyss, *Physical Review Letters* **65** (1990) p1547-1550 [**68 citations**]
4. \**Lifetime Measurements in  $^{135}\text{Sm}$ : Large Deformation in the  $N=6$  Intruder Band and Evidence for Quenched Proton Pairing.*  
**P.H. Regan**, R. Wyss, R. Wadsworth, D. Fossan, Y-J. He, J.R. Hughes, I. Jenkins, R. Ma, M.S. Metcalfe, S.M. Mullins, P.J. Nolan, E. Paul, R.J. Poynter and N. Xu, *Physical Review C42* (1990), Rapid Communications, p1805-1808 [**26 citations**]
5. *An  $i_{13/2}$  Intruder Band in  $^{139}\text{Gd}$ .*  
R. Ma, D.B. Fossan, E.S. Paul, N. Xu, R.J. Poynter, **P.H. Regan**, R. Wadsworth, Y-J. He, I. Jenkins, M.S. Metcalfe, S.M. Mullins and P.J. Nolan, *Journal of Physics G16* (1990) p1233-1240 [**21 citations**]
6. *Rotational Bands in the Doubly Odd  $N=73$  Nucleus  $^{134}\text{Pm}$ .*  
R. Wadsworth, S.M. Mullins, P.J. Bishop, A. Kirwan, M.J. Godfrey, P.J. Nolan and **P.H. Regan**, *Nuclear Physics A526* (1991) p188-204 [**16 citations**]
7. \**Spectroscopy of the Light Rare Earth Nuclei  $^{133}\text{Sm}$  and  $^{133}\text{Pm}$ : Configuration Dependent Pairing and Evidence for Strong Residual Proton-Neutron Interactions in Neighbouring Odd- $N$  and Odd- $Z$  Nuclei.*  
**P.H. Regan**, R. Wadsworth, J.R. Hughes, G.J. Gyapong, W. Gelletly, M.J. Godfrey, I. Jenkins, Y-J. He, S.M. Mullins, P.J. Nolan, J. Simpson, B.J. Varley and D.L. Watson, *Nuclear Physics A533* (1991) p476-504 [**13 citations**]
8. *Electromagnetic Properties of  $N=75$  Isotones: Evidence for Triaxiality at Low Spin.*  
E.S. Paul, R. Ma, C.W. Beausang, S.A. Forbes, D.B. Fossan, J. Gizon, J.R. Hughes, Y. Liang, S.M. Mullins, P.J. Nolan, W.F. Piel, R.J. Poynter, **P.H. Regan**, R. Wadsworth and N. Xu, *Journal of Physics G17* (1991) p605-617 [**4 citations**]

9. *Superdeformation and Double Blocking in  $^{142}\text{Eu}$ .*  
S.M. Mullins, R.A. Wyss, P. Fallon, T. Byrski, D. Curien, S.A. Forbes, Y-J. He, M.S. Metcalfe, P.J. Nolan, E.S. Paul, R.J. Poynter, **P.H. Regan** and R. Wadsworth, *Physical Review Letters* **66** (1991) p1677-1680 [**28 citations**]
10. *Quadrupole Moment of the  $i_{\frac{13}{2}}$  Intruder Band in  $^{139}\text{Gd}$ .*  
E.S. Paul, S.A. Forbes, D.B. Fossan, J. Gizon, J.R. Hughes, S.M. Mullins, M.S. Metcalfe, P.J. Nolan, **P.H. Regan**, G. Smith and R. Wadsworth, *Journal of Physics* **G18** (1992) p121-129 [**12 citations**]
11. *First Observation of a Collective Dipole Rotational Band in the  $A\sim 200$  Mass Region.*  
R.M. Clark, R. Wadsworth, E.S. Paul, C.W. Beausang, I. Ali, A. Astier, D.M. Cullen, P.J. Dagnall, P. Fallon, M.J. Joyce, N. Redon, **P.H. Regan**, W. Nazarewicz and R. Wyss, *Physics Letters* **B275** (1992) p247-250 [**74 citations**]
12. *Collective and Non-Collective High-Spin States in  $^{115}\text{I}$ .*  
E.S. Paul, R.M. Clark, S.A. Forbes, D.B. Fossan, J.R. Hughes, D.R. Lafosse, Y. Liang, R. Ma, P.J. Nolan, **P.H. Regan**, P. Vaska, R. Wadsworth and M.P. Waring, *Journal of Physics* **G18** (1992) p837-846 [**40 citations**]
13. \* *Measurement of the Intrinsic Quadrupole Moments in the  $\nu i_{\frac{13}{2}}$  Bands of  $^{135,137}\text{Sm}$ .*  
**P.H. Regan**, R. Wadsworth, S.M. Mullins, J. Nyberg, A. Atac, S.A. Forbes, D.B. Fossan, Y-J. He, J.R. Hughes, I. Jenkins, R. Ma, M.S. Metcalfe, P.J. Nolan, E.S. Paul, R.J. Poynter, D. Santonico, A. Virtanen and N. Xu, *Journal of Physics* **G18** (1992) p847-858 [**11 citations**]
14. *Collective Dipole Rotational Bands in  $^{197}\text{Pb}$ .*  
R.M. Clark, R. Wadsworth, E.S. Paul, C.W. Beausang, I. Ali, A. Astier, D.M. Cullen, P.J. Dagnall, P. Fallon, M.J. Joyce, N. Redon, **P.H. Regan**, W. Nazarewicz and R. Wyss, *Zeitschrift fur Physik* **A342** (1992) p371-372 [**33 citations**]
15. *Band Termination in Doubly-Odd  $^{116}\text{I}$ .*  
E.S. Paul, R.M. Clark, S.A. Forbes, D.B. Fossan, J.R. Hughes, D.R. Lafosse, Y. Liang, P.J. Nolan, **P.H. Regan**, P. Vaska, R. Wadsworth and M.P. Waring, *Journal of Physics* **G19** (1993) p343-348 [**10 citations**]
16. *Coexistence of Collective and Superdeformed Prolate Shapes in  $^{196}\text{Pb}$ .*  
P.J. Dagnall, C.W. Beausang, P. Fallon, P.D. Forsyth, E.S. Paul, J.F. Sharpey-Schafer, P.J. Twin, I. Ali, D.M. Cullen, M.J. Joyce, G. Smith, R. Wadsworth, R.M. Clark, **P.H. Regan**, A. Astier, M. Meyer and N. Redon, *Journal of Physics* **G19** (1993) p465-70 [**17 citations**]
17. *Prolate and Oblate Rotational Bands in  $^{136}\text{Sm}$ .*  
E.S. Paul, S. Davis, P. Vaska, P.J. Bishop, S.A. Forbes, D.B. Fossan, Y-J. He, J.R. Hughes, I. Jenkins, Y. Liang, R. Ma, M.S. Metcalfe, S.M. Mullins, P.J. Nolan, R.J. Poynter, **P.H. Regan**, R. Wadsworth and N. Xu, *Journal of Physics* **G19** (1993) p861-876 [**18 citations**]

18. *Population Effects in the Highly-Deformed Bands of  $^{131}\text{Ce}$  and  $^{135}\text{Nd}$  from  $^{18,16}\text{O}$ -Induced Reactions.*  
S.M. Mullins, J. Nyberg, A. Maj, M.S. Metcalfe, P.J. Nolan, **P.H. Regan**, R. Wadsworth and R.A. Wyss *Physics Letters* **B312** (1993) p272-276 [**13 citations**]
19. *Backbending in  $^{180}\text{W}$  - a T-Band Crossing in.*  
P.M. Walker, K.C. Yeung, G.D. Dracoulis, **P.H. Regan**, G.J. Lane, P.M. Davidson and A.E. Stutchberry, *Physics Letters* **B309** (1993) p17-22 [**41 citations**]
20. *Collective Oblate Dipole Rotational Bands in  $^{198}\text{Pb}$ .*  
R.M. Clark, R. Wadsworth, E.S. Paul, C.W. Beausang, I. Ali, A. Astier, D.M. Cullen, P.J. Dagnall, P. Fallon, M.J. Joyce, N. Redon, **P.H. Regan**, W. Nazarewicz and R. Wyss, *Nuclear Physics* **A562** (1993) p121-156 [**54 citations**]
21. *Octupole Collectivity in the Ground Band of  $^{148}\text{Nd}$ .*  
R. Ibbotson, C.A. White, T. Czosnyka, P.A. Butler, N. Clarkson, D. Cline, R.A. Cunningham, M. Devlin, K.G. Helmer, T.H. Hoare, J.R. Hughes, G.D. Jones, A.E. Kavka, B. Kotlinski, R.J. Poynter, **P.H. Regan**, E.G. Vogt, R. Wadsworth, D.L. Watson and C.Y. Wu, *Physical Review Letters* **71** (1993) p1990-1993 [**20 citations**]
22. *\*Anomalous Band Crossings in the  $N=57$  Isotones,  $^{103}\text{Pd}$  and  $^{105}\text{Cd}$ .*  
**P.H. Regan**, G.D. Dracoulis, G.J. Lane, P.M. Walker, S.S. Anderssen, A.P. Byrne, P.M. Davidson, T. Kibédi, A.E. Stuchbery and K.C. Yeung, *Journal of Physics* **G19** (1993) L157-L162 [**18 citations**]
23. *\*Origin of Correlations Between Evaporation Protons and Discrete Gamma-Rays in Heavy-Ion Fusion Evaporation Reactions.*  
K.R. Pohl, **P.H. Regan**, J.W. Arrison and D.P. Balamuth, *Physical Review* **C49** (1994) p1372-1378 [**1 citation**]
24. *Yrast Isomers, Multiquasi-particle States and Backbending in  $^{176}\text{Ta}$  and  $^{177}\text{Ta}$ .*  
M. Dasgupta, P.M. Walker, G.D. Dracoulis, A.P. Byrne, **P.H. Regan**, T. Kibédi, G.J. Lane and K.C. Yeung, *Physics Letters* **B328** (1994) p16-21 [**22 citations**]
25. *\*A  $K^\pi=8^-$  Isomer in  $^{136}\text{Sm}$ .*  
A.M. Bruce, P.M. Walker, **P.H. Regan**, G.D. Dracoulis, A.P. Byrne, T. Kibédi, G.J. Lane and K.C. Yeung, *Physical Review* **C50** (1994) p480-482 [**9 citations**]
26. *\*Yrast Four-Quasi-Particle States in  $^{182}\text{W}$ .*  
**P.H. Regan**, P.M. Walker, G.D. Dracoulis, S.S. Anderssen, A.P. Byrne, P.M. Davidson, T. Kibédi, G.J. Lane, A.E. Stuchbery and K.C. Yeung, *Nuclear Physics* **A567** (1994) p414-430 [**7 citations**]
27. *\*Rotational Bands and Neutron Alignments in Neutron Rich Odd-A Cadmium Isotopes.*  
**P.H. Regan**, J.S. Middleton, K.R. Pohl, J.E. Bush, P.E. Raines, D.P. Balamuth, S.M. Mullins, A. Galindo-Uribarri, V.P. Janzen, D. Ward and S. Pilotte, *Physical Review* **C49** (1994) p1885-1895 [**12 citations**]

28. *The  $^{12}\text{C}+^{12}\text{C}$  '6- $\alpha$  Chain State' Resonance.*  
S.P.G. Chappell, D.L. Watson, S.P. Fox, C.D. Jones, W.D.M. Rae, P.M. Simmons, M. Freer, B.R. Fulton, N.M. Clarke, N. Curtis, M.J. Leddy, J.S. Pople, S.J. Hall, R.P. Ward, G. Tungate, W.N. Catford, G.J. Gyapong, S.M. Singer and **P.H. Regan**, *Physical Review* **C51** (1995) p695-700 [**37 citations**]
29. *\*High Spin Proton and Neutron Intruder Configurations in  $^{106}\text{Cd}$ .*  
**P.H. Regan**, A.E. Stuchbery, G.D. Dracoulis, A.P. Byrne, G.J. Lane, T. Kibédi, D.C. Radford, A. Galindo-Uribarri, V.P. Janzen, D. Ward, S.M. Mullins, G. Hackman, J. DeGraaf, M. Cromaz and S. Pilotte, *Nuclear Physics* **A586** (1995) p351-376 [**27 citations**]
30.  *$^8\text{Be}$  and  $\alpha$  Decay of  $^{16}\text{O}$ .*  
M. Freer, N.M. Clarke, N. Curtis, B.R. Fulton, S.J. Hall, M.J. Leddy, J.S. Pople, G. Tungate, R.P. Ward, P.M. Simmons, W.D.M. Rae, S.P.G. Chappell, S.P. Fox, C.D. Jones, D.L. Watson, G.J. Gyapong, S.M. Singer, W.N. Catford and **P.H. Regan**, *Physical Review* **C51** (1995) p1682-1692 [**13 citations**]
31. *\*High-K Structures in  $^{136}\text{Sm}$ .*  
**P.H. Regan**, G.D. Dracoulis, A.P. Byrne, G.J. Lane, T. Kibédi, P.M. Walker and A.M. Bruce, *Physical Review* **C51** (1995) p1745-1753 [**10 citations**]
32. *Search for a 7- $\alpha$  Chain State.*  
P.M. Simmons, W.D.M. Rae, S.P.G. Chappell, S.P. Fox, C.D. Jones, D.L. Watson, M. Freer, B.R. Fulton, N.M. Clarke, M.J. Leddy, J.S. Pople, S.J. Hall, R.P. Ward, G. Tungate, W.N. Catford, G.J. Gyapong, S.M. Singer and **P.H. Regan**, *Physical Review* **C51** (1995) p3500-3503 [**2 citations**]
33. *Measurement of the Mean Lifetimes of the Low Spin States in the Superdeformed band in  $^{133}\text{Nd}$ .*  
S.A. Forbes, G. Böhm, R.M. Clark, A. Dewald, R. Krücken, S.M. Mullins, P.J. Nolan, **P.H. Regan** and R. Wadsworth, *Zeitschrift fur Physik* **A352** (1995) p15-23 [**10 citations**]
34. *Lifetimes of Low-Lying States in  $^{132}\text{Nd}$  and  $^{134}\text{Nd}$ .*  
R. Krücken, A. Dewald, G. Bohm, P. Sala, J. Altman, K.O. Zell, P. Von Brentano, S.A. Forbes, S.M. Mullins, D.J. Thornley, A.J. Kirwan, P.J. Nolan, **P.H. Regan** and R. Wadsworth, *Nuclear Physics* **A589** (1995) p475-488 [**5 citations**]
35. *\*Measurement of the g-Factor of the Yrast  $10^+$  State in  $^{110}\text{Cd}$ .*  
**P.H. Regan**, A.E. Stuchbery and S.S. Anderssen, *Nuclear Physics* **A591** (1995) p533-547 [**11 citations**]
36. *Rotation of an Eight Quasi-Particle Isomer.*  
C.S. Purry, P.M. Walker, G.D. Dracoulis, T. Kibédi, S. Bayer, A.M. Bruce, A.P. Byrne, M. Dasgupta, W. Gelletly, F. Kondev, **P.H. Regan** and C. Thwaites, *Physical Review Letters* **75** (1995) p406-409 [**20 citations**]

37. *High-Spin Structure of  $^{139}\text{Eu}$ .*  
P. Vaska, C.W. Beausang, D.B. Fossan, J.R. Hughes, R. Ma, E.S. Paul, R.J. Poynter, **P.H. Regan**, R. Wadsworth, S.A. Forbes, S.M. Mullins and P.J. Nolan, *Physical Review* **C52** (1995) p1270-1277 [**6 citations**]
38. *\*High Resolution Gamma-Ray Spectroscopy with a Radioactive Beam.*  
W.N. Catford, S. Mohammadi, **P.H. Regan**, C.S. Purry, W. Gelletly, P.M. Walker, G.J. Gyapong, J. Simpson, D.D. Warner, T. Davinson, R. Neal, R.D. Page, A.C. Shotter, I.M. Hibbert, R. Wadsworth, S.A. Forbes, A.M. Bruce, C. Thwaites, P. Thirolf, P. Van Duppen, W. Galster, A. Ninane, J. Vervier, P. Decrock, M. Huyse, J. Szerypo and J. Wauters, *Nuclear Instruments and Methods for Science Research* **A371** (1996) p449-459 [**9 citations**]
39. *Evidence for a Highly Deformed Band in  $^{16}\text{O}+^{16}\text{O}$  Breakup of  $^{32}\text{S}$ .*  
N. Curtis, A.St.J. Murphy, N.M. Clarke, M. Freer, B.R. Fulton, S.J. Hall, M.J. Leddy, J.S. Pople, G. Tungate, R.P. Ward, W.N. Catford, G.J. Gyapong, S.M. Singer, S.P.G. Chappell, S.P. Fox, C.D. Jones, D.L. Watson, W.D.M. Rae, P.M. Simmons and **P.H. Regan**, *Physical Review* **C53** (1996) p1804-1810 [**13 citations**]
40. *\*High-Spin States in  $^{107}\text{Pd}$ ,  $^{108}\text{Pd}$  and  $^{109}\text{Ag}$ .*  
K.R. Pohl, **P.H. Regan**, J.E. Bush, P.E. Raines, D.P. Balamuth, D. Ward, A. Galindo-Uribarri, V.P. Janzen and S.M. Mullins, *Physical Review* **C53** (1996) p2682-2700 [**18 citations**]
41. *\*Yrast Gamma-ray Spectroscopy of the Neutron Rich Isotopes  $^{61,63}\text{Co}$ .*  
**P.H. Regan**, J.W. Arrison, U.J. Hüttmeier and D.P. Balamuth, *Physical Review* **C54** (1996) p1084-1097 [**2 citations**]
42. *Systematics of  $K^\pi=8^-$  Isomers in  $N=74$  Nuclei.*  
A.M. Bruce, A.P. Byrne, G.D. Dracoulis, W. Gelletly, T. Kibèdi, F.G. Kondev, C.S. Purry, **P.H. Regan**, C. Thwaites and P.M. Walker, *Physical Review* **C55** (1997) p620-624 [**18 citations**]
43. *Quadrupole and Octupole Collectivity in  $^{148}\text{Nd}$ .*  
R. Ibbotson, C.A. White, T. Czosnyka, P.A. Butler, N. Clarkson, D. Cline, R.A. Cunningham, M. Devlin, K.G. Helmer, T.H. Hoare, J.R. Hughes, G.D. Jones, A.E. Kavka, B. Kotlinski, R.J. Poynter, **P.H. Regan**, E.G. Vogt, R. Wadsworth, D.L. Watson and C.Y. Wu, *Nuclear Physics* **A619** (1997) p213-240 [**7 citations**]
44. *\*Observation of  $(h_{\frac{11}{2}})^2$  Neutron Alignments in  $^{100}\text{Mo}$ ,  $^{104}\text{Ru}$  and  $^{108}\text{Pd}$  Using Deep Inelastic Reactions.*  
**P.H. Regan**, T.M. Menezes, C.J. Pearson, W. Gelletly, C.S. Purry, P.M. Walker, S. Juutinen, R. Julin, K. Helariutta, A. Savelius, P. Jones, P. Jämsen, M. Muikku, P.A. Butler, G. Jones and P. Greenless, *Physical Review* **C55** (1997) p2305-2313 [**31 citations**]
45. *K-Forbidden Transitions from Multi-Quasiparticle States.*  
P.M. Walker, D.M. Cullen, C.S. Purry, D.E. Appelbe, A.P. Byrne, G.D. Dracoulis, T. Kib'edi,

F.G. Kondev, A.T. Reed, **P.H. Regan** and F. Xu, *Physics Letters* **B408** (1997) p42-46 [**62 citations**]

46. \**Evidence for a Highly Deformed Oblate  $0^+$  State in  $^{74}_{36}\text{Kr}$ .*  
C. Chandler, **P.H. Regan**, C.J. Pearson, B. Blank, A.M. Bruce W.N. Catford, N. Curtis, S. Czajkowski, W. Gelletly, R. Grzywacz, M. Lewitowicz, C. Marchand, N.A. Orr, R.D. Page, A.T. Reed, M.G. Saint-Laurent, S.M. Vincent, R. Wadsworth, D.D. Warner and J.S. Winfield, *Physical Review* **C56** (1997) Rapid Communications p2924-2928 [**89 citations**]
47. *Multi-Quasiparticle Isomers and Rotational Bands in  $^{178}\text{W}$ .*  
C.S. Purry, P.M. Walker, G.D. Dracoulis, T. Kibédi, F.G. Kondev, S. Bayer, A.M. Bruce, A.P. Byrne, W. Gelletly, **P.H. Regan**, C. Thwaites, O. Burglin and N. Rowley, *Nuclear Physics* **A632** (1998) p229-274 [**43 citations**]
48. *Yrast Structures in the Neutron Deficient  $^{127}_{59}\text{Pr}_{68}$  and  $^{131}_{61}\text{Pm}_{70}$ .*  
C.M. Parry, A.J. Boston, C. Chandler, A. Galindo-Uribarri, I.M. Hibbert, V.P. Janzen, D.T. Joss, S.M. Mullins, P.J. Nolan, E.S. Paul, **P.H. Regan**, S.M. Vincent, R. Wadsworth, D. Ward and R. Wyss, *Physical Review* **C57** (1998) p2214-2222 [**14 citations**]
49. \**Identification of Yrast States in  $^{187}\text{Pb}$ .*  
A.M. Baxter, A.P. Byrne, G.D. Dracoulis, P.M. Davidson, T.R. McGoran, **P.H. Regan**, C. Chandler, W. Gelletly, C. Wheldon, R. Julin, J.F.C. Cocks, K. Helariutta, P. Jones, S. Juutinen, H. Kankaanpää, P. Kuusiniemi, M. Leino, M. Muikku, A. Savelius, R.V.F. Janssens, T. Brown, M.P. Carpenter, C.N. Davids, T. Lauritsen, D. Nisius and P.T. Greenlees, *Physical Review* **C58** (1998) p2671-2676 [**6 citations**]
50. \**Observation of Fermi Superallowed  $\beta$ -Decays in Heavy Odd-Odd,  $N=Z$  Nuclei: Evidence for  $0^+$  Ground States in  $^{78}\text{Y}$ ,  $^{82}\text{Nb}$  and  $^{86}\text{Tc}$ .*  
C. Longour, J. Garcés Narro, B. Blank, M. Lewitowicz, Ch. Miehé, **P.H. Regan**, D. Applebe, L. Axelsson, A.M. Bruce, W.N. Catford, C. Chandler, R.M. Clark, D. Cullen, S. Czajkowski, J.M. Daugas, Ph. Dessagne, A. Fleury, L. Frankland, W. Gelletly, J. Giovinazzo, B. Greenhalgh, R. Grzywacz, M. Harder, K.L. Jones, N. Kelsall, T. Kszczot, R.D. Page, C.J. Pearson, A.T. Reed, O. Sorlin and R. Wadsworth, *Physical Review Letters* **81** (1998) p3337-3340 [**43 citations**]
51. \**Competing  $T=0$  and  $T=1$  Structures in the  $N=Z$  Nucleus  $^{62}_{31}\text{Ga}$ .*  
S.M. Vincent, **P.H. Regan**, D.D. Warner, R. Bark, D. Blumenthal, M. Carpenter, C.N. Davids, W. Gelletly, R.V.F. Janssens, C. O'Leary, C.J. Lister, J. Simpson, D. Seweryniak, T. Saitoh, J. Schwartz, S. Törmänen, O. Jullet, F. Nowacki and P. Van Isacker, *Physics Letters* **437B** (1998) p264-272 [**55 citations**]
52. *New Isotopes and Isomers Produced by the Fragmentation of  $^{238}\text{U}$  at 1000 MeV/nucleon.*  
M. Pfützner, P. Armbruster, T. Baumann, J. Benlliure, M. Bernas, W.N. Catford, D. Cortina-Gil, J.M. Daugas, H. Geissel, M. Górska, H. Grawe, R. Grzywacz, M. Hellström, N. Iwasa, Z. Janas, M. Karny, S. Leenhardt, M. Lewitowicz, A.C. Mueller, F. de Oliveira,

**P.H. Regan**, M. Rejmund, K. Rykacewski and K. Sümmerer, *Physics Letters* **B444** (1998) p32-37 [**61 citations**]

53. *Investigation of Prolate-Oblate Shape Coexistence in  $^{74}\text{Kr}$ .*

F. Becker, W. Korten, F. Hannachi, P. Paris, N. Buorn, C. Chandler, M. Houry, H. Hübel, A. Jansen, Y. Le Coz, C.F. Liang, A. Lopez-Martens, R. Lucas, E. Mergel, **P.H. Regan**, G. Schönwasser and Ch. Thiessen, *European Physical Journal* **A4** (1999) p103-105 [**44 citations**]

54. *Triaxial Shapes at High Angular Momentum.*

C. Wheldon, P.M. Walker, **P.H. Regan**, T. Saitoh, N. Hashimoto, G. Sletten and F.R. Xu, *Physical Review* **C59** (1999) R2334-2338 [**11 citations**]

55. *High-K Structures and Triaxiality in  $^{186}\text{Os}$ .*

C. Wheldon, P.M. Walker, **P.H. Regan**, T. Saitoh, N. Hashimoto, G. Sletten and F.R. Xu, *Nuclear Physics* **A652** (1999) p103-131 [**27 citations**]

56. *Radioactivity of Neutron Rich Oxygen, Fluorine and Neon Isotopes.*

A.T. Reed, O. Tarasov, R.D. Page, D. Guillemaud-Mueller, Yu.E. Penionzhkevich, R.G. Al-lat, J.C. Angélique, R. Anne, C. Borcea, V. Burjan, W.N. Catford, Z. Dlouhy, C. Donzaud, S. Grévy, M. Lewitowicz, S.M. Lukyanov, F.M. Marques, G. Martinez, A.C. Mueller, P.J. Nolan, J. Novák, N.A. Orr, F. Pougheon, **P.H. Regan**, M.G. Saint-Laurent, T. Siiskonen, E. Sokol, O. Sorlin, J. Suhonen, W. Trinder and S.M. Vincent, *Physical Review* **C60** (1999) 024311 p1-11 [**45 citations**]

57. *Evidence for Highly Deformed Structures in  $^{133}_{62}\text{Sm}_{71}$ .*

C.M. Parry, I.M. Hibbert, R. Wadsworth, A.N. Wilson, A.J. Boston, D.T. Joss, P.J. Nolan, E.S. Paul, A. Galindo-Uribarri, V.P. Janzen, D. Ward, S.M. Mullins, **P.H. Regan** and R. Wyss, *Physical Review* **C60** (1999) 054314 p1-9 [**1 citation**]

58. *\*Near Yrast Study of the fpg Shell Nuclei,  $^{58}\text{Ni}$ ,  $^{61}\text{Cu}$  and  $^{61}\text{Zn}$ .*

S.M. Vincent, **P.H. Regan**, S. Mohammadi, D. Blumenthal, M. Carpenter, C.N. Davids, W. Gelletly, S.S. Ghugre, D.J. Henderson, R.V.F. Janssens, M. Hjorth-Jensen, B. Kharraja, C.J. Lister, C.J. Pearson, D. Seweryniak, J. Schwartz, J.Simpson and D.D. Warner, *Physical Review* **C60** (1999) 064308 p1-18 [**20 citations**]

59. *\*Observation of the  $Z=N+1$  Nuclei  $^{77}_{39}\text{Y}$ ,  $^{79}_{40}\text{Zr}$  and  $^{83}_{42}\text{Mo}$ .*

Z. Janas, C. Chandler, B. Blank, **P.H. Regan**, A.M. Bruce, W.N. Catford, N. Curtis, S. Czajkowski, Ph. Dessagne, A. Fleury, W. Gelletly, J. Giovinazzo, R. Grzywacz, M. Lewitowicz, C. Longour, C. Marchand, Ch. Miehé, N.A. Orr, R.D. Page, C.J. Pearson, M.S. Pravikoff, A.T. Reed, M.G. Saint-Laurent, J.A. Sheikh, S.M. Vincent, R. Wadsworth, D.D. Warner and J.S. Winfield, *Physical Review Letters* **82** (1999) p295-298 [**31 citations**]

60. *\*Observation of Isomeric States in Neutron Deficient  $A\sim 80$  Nuclei Following the Projectile Fragmentation of a  $^{92}\text{Mo}$  Beam.*

C. Chandler, **P.H. Regan**, B. Blank, C.J. Pearson, A.M. Bruce, W.N. Catford, N. Curtis,

S. Czajkowski, P. Dessange, A. Fleury, W. Gelletly, J. Giavinnazzo, R. Grzywacz, Z. Janas, M. Lewitowicz, C. Longour, C. Marchand, C. Miehe, N.A. Orr, R.D. Page, M.S. Praavikoff, A.T. Reed, M.G. Saint-Laurent, S.M. Vincent, R. Wadsworth, D.D. Warner, J.S. Winfield and F. Xu, *Physical Review* **C61** (2000) 044309 p1-14 [**54 citations**]

61. *Collective and Intrinsic Structures in  $^{183}\text{W}$ .*  
T.R. Saitoh, N. Saitoh-Hashimoto, G. Sletten, R.A. Bark, M. Bergström, **P.H. Regan**, S. Törmänen, P.G. Varmette, P.M. Walker and C. Wheldon, *Nuclear Physics* **A660** (1999) p171-196 [**6 citations**]
62. *Competition Between high-K states and Rotational Structures in  $^{177}\text{Ta}$ .*  
M. Dasgupta, G.D. Dracoulis, P.M. Walker, A.P. Byrne, T. Kibédi, F.G. Kondev, G.J. Lane and **P.H. Regan**, *Physical Review* **C61** (2000) 044321 p1-33 [**9 citations**]
63. *The  $8^+$  Isomer in  $^{78}\text{Zn}$  and the E2 Doubly Magic Character of  $^{78}\text{Ni}$ .*  
J.M. Daugas, R. Grzywacz, M. Lewitowicz, L. Achouri, J.C. Angelique, D. Baiborodin, K. Bennaceur, R. Bentida, R. Béraud, C. Borcea, C. Bingham, W. Catford, A. Emsallem, G. de France, H. Grawe, K.L. Jones, R.C. Lemmon, M.J. Lopez-Jimenez, F. Nowacki, F. de Oliveira-Santos, M. Pfützner, **P.H. Regan**, K. Rykaczewski, J.E. Sauvestre, M. Sawicka, G. Sletten and M. Stanoiu, *Phys. Lett.* **B476** (2000) p213-218 [**63 citations**]
64. *\*Isomer Spectroscopy of Neutron Rich  $^{190}\text{W}_{116}$ .*  
Zs. Podolyák, **P.H. Regan**, M. Pfützner, J. Gerl, M. Hellström, M. Caamano, P. Mayet, Ch. Schlegel, A. Aprahamian, J. Benlliure, A.M. Bruce, P.A. Butler, D. Cortina Gil, D.M. Cullen, J. Döring, T. Enqvist, F. Farget, C. Fox, J. Garcés Narro, H. Geissel, W. Gelletly, J. Giavinnazzo, M. Gorska, H. Grawe, R. Grzywacz, A. Kleinböhl, W. Korten, M. Lewitowicz, R. Lucas, H. Mach, M. Mineva, C.D. O'Leary, F. De Oliveira, C.J. Pearson, M. Rejmund, M. Sawicka, H. Schaffner, K. Schmidt, Ch. Theisen, P.M. Walker, D.D. Warner, C. Wheldon, H.J. Wollersheim, S.C. Wooding and F.R. Xu, *Physics Letters* **B491** (2000) p225-231 [**58 citations**]
65. *Mirror Symmetry at High Spin in  $^{51}\text{Fe}$  and  $^{51}\text{Mn}$ .*  
M.A. Bentley, S.J. Williams, D.T. Joss, C.D. O'Leary, A.M. Bruce, J.A. Cameron, P. Fallon, L. Frankland, W. Gelletly, C.J. Lister, G. Martínez-Pinedo, A. Poves, **P.H. Regan**, P. Reiter, B. Rubio, J. Sanchez Solano, D. Seweryniak, C.E. Svensson, S.M. Vincent and D.D. Warner, *Physical Review* **C62** (2000) R051303 p1-5 [**40 citations**]
66. *\*Yrast states in  $^{194}\text{Os}$ : The Prolate-Oblate Transition Region.*  
C. Wheldon, J. Garcés Narro, C.J. Pearson, **P.H. Regan**, Zs. Podolyák, D.D. Warner, P. Fallon, A.O. Macchiavelli and M. Cromaz *Physical Review* **C63** (2001) 011304, Rapid Communications, p1-5 [**7 citations**]
67. *\*Fermi Superallowed  $\beta^+$ -Decays and  $T=1$  Ground States of Heavy  $N=Z$  Nuclei.*  
J. Garcés Narro, C. Longour, **P.H. Regan**, B. Blank, C.J. Pearson, M. Lewitowicz, Ch. Miehe, W. Gelletly, D. Applebe, L. Axelsson, A.M. Bruce, W.N. Catford, C. Chandler, R.M. Clark, D. Cullen, S. Czajkowski, J.M. Daugas, Ph. Dessagne, A. Fleury, L. Frankland,

- J. Giovinazzo, B. Greenhalgh, R. Grzywacz, M. Harder, K.L. Jones, N. Kelsall, T. Kszczot, R.D. Page, C.J. Pearson, A.T. Reed, O. Sorlin and R. Wadsworth, *Physical Review* **C63** (2001) 044307 p1-9 [**18 citations**]
68. \**The Application of CdZnTe Detectors for Coincident  $\alpha - \gamma$  Spectroscopy.*  
C.J. Pearson, **P.H. Regan** and A. Divoli, *Nuclear Instruments and Methods for Science Research* **A462** (2001) p393-396 [**1 citation**]
69. *A New  $\mu$ s Isomer in  $^{136}\text{Sb}$  Produced in the Projectile Fission of  $^{238}\text{U}$ .*  
M.N. Mineva, M. Hellström, M. Bernas, J. Gerl, H. Grawe, M. Pfützner, **P.H. Regan**, M. Rejmund, D. Rudolph, F. Becker, C.R. Bingham, T. Enqvist, B. Fogelberg, H. Gausemel, H. Geissel, J. Genevey, M. Górska, R. Grzywacz, K. Hauschild, Z. Janas, I. Kojouharov, Y. Kopatch, A. Korgul, W. Korten, J. Kurcewicz, M. Lewitowicz, R. Lucas, H. Mach, S. Mandal, P. Mayet, C. Mazzocchi, J.A. Pinston, Zs. Podolyak, H. Schaffner, Ch. Schlegel, K. Schmidt, K. Sümmerer and H.J. Wollersheim, *European Physics Journal* **A11** (2001) p9-13 [**5 citations**]
70. *Isovector Pairing in odd-odd  $N=Z$   $^{50}\text{Mn}$ .*  
C.D. O’Leary, M.A. Bentley, S.M. Lenzi, G. Martínez-Pinedo, D.D. Warner, A.M. Bruce, J.A. Cameron, M.P. Carpenter, C.N. Davids, P. Fallon, L. Frankland, W. Gelletly, R.V.F. Janessens, D.T. Joss, C.J. Lister, **P.H. Regan**, P. Reiter, B. Rubio, D. Seweryniak, C.E. Svensson, S.M. Vincent and S.J. Williams, *Physics Letters* **525B** (2002) p49-55 [**19 citations**]
71. \**Structure of the Doubly-Mid-Shell Nucleus  $^{170}_{66}\text{Dy}_{104}$ .*  
**P.H. Regan**, F.R. Xu, P.M. Walker, M. Oi, A. Rath and P.D. Stevenson, *Physical Review* **C65** (2002) 037302 p1-4 [**16 citations**]
72. \**Angular Momentum Population in the Fragmentation of  $^{208}\text{Pb}$  at 1 GeV/Nucleon.*  
M. Pfützner, **P.H. Regan**, P.M. Walker, M. Caamaño, J. Gerl, M. Hellström, P. Mayet, K.-H. Schmidt, Zs. Podolyák, A. Aprahamian, J. Benlliure, A.M. Bruce, P.A. Butler, D. Cortina Gil, D.M. Cullen, J. Döring, T. Enqvist, F. Farget, C. Fox, J. Garcés Narro, H. Geissel, W. Gelletly, J. Giovinazzo, M. Gorska, H. Grawe, R. Grzywacz, A. Kleinböhl, W. Korten, M. Lewitowicz, R. Lucas, H. Mach, M. Mineva, C.D. O’Leary, F. De Oliveira, C.J. Pearson, M. Rejmund, M. Sawicka, H. Schaffner, Ch. Schlegel, K. Schmidt, Ch. Theisen, D.D. Warner, C. Wheldon, H.J. Wollersheim and S.C. Wooding, *Physical Review* **C65** (2002) 064604, p1-15 [**39 citations**]
73. \**In-Beam Performance of CdZnTe Detectors for Proton and  $\alpha$ -Particle Measurement.*  
S.M. Vincent, **P.H. Regan**, K.E. Owen, C.J. Pearson and A.S. Clough, *Nuclear Instruments and Methods in Physics Research* **A483** (2002) p758-763 [**2 citations**]
74. \**High- $j$  Proton and Neutron Alignments in  $\gamma$ -Soft  $^{101}\text{Ru}$ .*  
A.D. Yamamoto, **P.H. Regan**, C.W. Beausang, F.R. Xu, M.A. Caprio, R.F. Casten, G. Gürdal, A.A. Hecht, C. Hutter, R. Krücken, S.D. Langdown, D. Meyer, J.J. Ressler and N.V. Zamfir, *Physical Review* **C66** (2002) 024302 p1-13 [**7 citations**]

75. *Half-life Measurements of Proton-Rich  $^{78}\text{Kr}$  Fragments.*  
M.J. López-Jiménez, B. Blank, M. Chartier, S. Czajkowski, P. Dessagne, G. de France, J. Giovinazzo, M. Lewitowicz, V. Maslov, C. Miehé, **P.H. Regan**, M. Stanoiu and M. Wiescher, *Physical Review* **C66** (2002) 025803 p1-8 [**14 citations**]
76. *g-Factor Measurements of  $\mu\text{s}$  Isomeric States in Neutron-Rich Nuclei around  $^{68}\text{Ni}$  Produced in Projectile-Fragmentation Reactions.*  
G. Georgiev, G. Neyens, D.L. Balanski, C. Bingham, C. Borcea, N. Coulier, R. Coussement, J.M. Daugas, G.DeFrance, G. Goldring, M. Górska, H. Grawe, R. Grzywacz, M. Hass, M. Lewitowicz, H. Mach, I. Macovei, F. de Oliveira Santos, M. Pfützner, Yu.E. Penionskevich, Z. Podolyák, **P.H. Regan**, K. Rykacewski, M. Sawicka, N.A. Smirnova, Yu. Sobolev, M.Stanoiu, S. Teughels and K. Vyvey, *Journal of Physics* **G28** (2002) p2993-3006 [**25 citations**]
77. *Measurement of the  $2_1^+$  Level Lifetimes in  $^{162}\text{Yb}$  and  $^{162}\text{Er}$  by Fast Scintillation Timing.*  
M.A. Caprio, N.V. Zamfir, E.A. McCutchan, R.F. Casten, Z. Berant, H. Amro, C.J. Barton, C.W. Beausang, D.S. Brenner, J.R. Cooper, R.L. Gill, G. Gürdal, A.A. Hecht, C. Hütter, R. Krücken, D.A. Meyer, J.R. Novak, N. Pietralla, **P.H. Regan** and J.J. Ressler, *European Physics Journal* **A16** (2003) p177-180 [**2 citations**]
78. *Anomalous Coulomb Matrix Elements in the  $f_{7/2}$  Shell.*  
S.J. Williams, M.A. Bentley, D.D. Warner, A.M. Bruce, J.A. Cameron, M.P. Carpenter, P. Fallon, L. Frankland, W. Gelletly, R.V.F. Janssens, D.T. Joss, C.D. O'Leary, C.J. Lister, A. Poves, **P.H. Regan**, P. Reiter, B. Rubio, D. Seweryniak, C.E. Svensson and S.M. Vincent, *Physical Review* **C68** (2003) 011301, Rapid Communications, p1-5 [**28 citations**]
79. *\*A Signature for Vibrational to Rotational Evolution Along the Yrast Line.*  
**P.H. Regan**, C.W. Beausang, N.V. Zamfir, R.F. Casten, Jing-Ye Zhang, A.D. Yamamoto, M.A. Caprio, G. Gürdal, A.A. Hecht, C. Hutter, R. Krücken, S.D. Langdown, D. Meyer and J.J. Ressler, *Physical Review Letters* **90** (2003) 152502 p1-4 [**47 citations**]
80. *\*Self-Consistent Description of the Dysprosium Isotopes in the Doubly Midshell Region.*  
A.K. Rath, P.D. Stevenson, **P.H. Regan**, P.M. Walker, F. Xu and M. Oi, *Physical Review* **C68** (2003) 044315 p1-8 [**1 citation**]
81. *\*Binary-Reaction Spectroscopy of  $^{99,100}\text{Mo}$ : Intruder Band Systematics in the  $N=57$  and  $N=58$  Isotones.*  
**P.H. Regan**, A.D. Yamamoto, F.R. Xu, C.Y. Wu, A.O. Macchiavelli, D. Cline, J.F. Smith, J.J. Valiente-Dobón, K. Andgren, R.S. Chakrawarthy, M. Cromaz, P. Fallon, S.J. Freeman, W. Gelletly, A. Gørgen, A. Hayes, H. Hua, S.D. Langdown, I-Y. Lee, C.J. Pearson, R. Teng and C. Wheldon, *Physical Review* **C68** (2003) 044313 p1-5 [**22 citations**]
82. *The GREAT Spectrometer.*  
R.D. Page, A.N. Andreyev, D.E. Appelbe, P.A. Butler, S.J. Freeman, P.T. Greenlees, R.-D. Herzberg, D.G. Jenkins, G.D. Jones, P. Jones, D.T. Joss, R. Julin, H. Kettunen, M. Leino,

- P. Rahkila, **P.H. Regan**, J. Simpson, J. Uusitalo, S.M. Vincent, R. Wadsworth, *Nuclear Instruments and Methods in Physics Research B204* (2003) p634-637 [**110 citations**]
83. *Low-Spin States in  $^{162}\text{Yb}$  and the  $X(5)$  Critical Point Symmetry.*  
E.A. McCutchan, N.V. Zamfir, M.A. Caprio, R.F. Casten, H. Amro, C.W. Beausang, D.S. Brenner, A.A. Hecht, C. Hutter, S.D. Langdown, D. Meyer, **P.H. Regan**, J.J. Ressler and A.D. Yamamoto, *Physical Review C69* (2004) 024328 p1-10 [**26 citations**]
84. *\*Angular Momentum Population in the Projectile Fragmentation of  $^{238}\text{U}$  at 750 MeV/nucleon.*  
K.A. Gladnishki, Zs. Podolyák, **P.H. Regan**, J. Gerl, M. Hellström, Y. Kopatch, S. Mandal, M. Górska, R.D. Page, H.J. Wollersheim, A. Banu, G. Benzoni, H. Boardman, M. La Com-mara, J. Ekman, C. Fahlander, H. Geissel, H. Grawe, E. Kaza, A. Korgul, M. Matos, M.N. Mineva, C.J. Pearson, C. Plettner, D. Rudolph, Ch. Scheidenberger, K.-H. Schmidt, V. Shishkin, D. Sohler, K. Sümmerer, J.J. Valiente-Dobón, P.M. Walker, H. Weick, M. Winkler and O. Yordanov, *Physical Review C69* (2004) 024617 p1-10 [**16 citations**]
85. *\*Evidence for a High-Spin  $\beta$ -Decaying Isomer in  $^{177}\text{Lu}$ .*  
S.D. Al-Garni, **P.H. Regan**, P.M. Walker, E. Roeckl, R. Kirchner, F.R. Xu, L. Batist, A. Blazhev, R. Borcea, D.M. Cullen, J. Döring, H.M. El-Masri, J. Garces Narro, H. Grawe, M. La Com-mara, C. Mazzocchi, I. Mukha, C.J. Pearson, C. Plettner, K. Schmidt, W.D. Schmidt-Ott, Y. Shimbara, C. Wheldon, R. Wood and S.C. Wooding, *Physical Review C69* (2004) 024320 p1-12 [**3 citations**]
86. *\*Study of  $^{136}\text{Ba}$  via Deep-Inelastic Collisions: Identification of the  $(\nu h_{11/2})_{10+}^{-2}$  Isomer.*  
J.J. Valiente-Dobón, **P.H. Regan**, C. Wheldon, C.Y.-Wu, N. Yoshinaga, J.F. Smith, A.O. Macchiavelli, D. Cline, R.S. Chakrawarthy, R. Chapman, M. Cromaz, P. Fallon, S.J. Freeman, A. Gørgen, W. Gelletly, A. Hayes, K. Higashiyama, S.D. Langdown, I.Y. Lee, X. Liang, C.J. Pearson, Zs. Podolyák, T. Teng, D. Ward, D.D. Warner and A.D. Yamamoto, *Physical Review C69* (2004) 024316 p1-13. [**17 citations**]
87. *Transition from the Seniority Regime to Collective Motion.*  
J.J. Ressler, R.F. Casten, N.V. Zamfir, C.W. Beausang, R.B. Cakirli, H. Ai, H. Amro, M.A. Caprio, A.A. Hecht, A. Heinz, S.D. Langdown, E.A. McCutchan, D.A. Meyer, C. Plettner, **P.H. Regan** and A.D. Yamamoto, *Physical Review C69* (2004) 034317 p1-4 [**12 citations**]
88. *Isomer Decay Tagging in the Heavy Nuclei:  $^{209}\text{Ra}$  and  $^{210}\text{Ra}$ .*  
J.J. Ressler, C.W. Beausang, H. Ai, H. Amro, M.A. Caprio, R.F. Casten, A.A. Hecht, S.D. Langdown, E.A. McCutchan, D.A. Meyer, **P.H. Regan**, M.J.S. Sciacchitano, A.D. Yamamoto and N.V. Zamfir, *Physical Review C69* (2004) 034331 p1-9 [**7 citations**]
89. *\*Multi-Quasiparticle States in  $^{184}\text{W}$  via Multinucleon Transfer.*  
C. Wheldon, J.J. Valiente-Dobón, **P.H. Regan**, C.J. Pearson, C.Y. Wu, J.F. Smith, A.O. Macchiavelli, D. Cline, R.S. Chakrawarthy, R. Chapman, M. Cromaz, P. Fallon, S.J. Freeman, A. Gørgen, W. Gelletly, A. Hayes, S.D. Langdown, I.Y. Lee, X. Liang,

- Zs. Podolák, R. Teng, D. Ward, D.D. Warner and A.D. Yamamoto, *European Physical Journal* **A20** (2004) p365-369 [4 citations]
90. \**Tetrahedral Symmetry in Ground and Low-Lying States of Exotic  $A \sim 110$  Nuclei.*  
N. Schunck, J. Dudek, A. Gózdź and **P.H. Regan**, *Review* **C69** (2004) 061305, Rapid Communications, p1-5 [23 citations]
91. *Stability of the  $N=50$  Shell Gap in the Neutron-Rich Rb, Br, Se and Ge Isotopes.*  
Y.H. Zhang, Zs. Podolyák, G. de Angelis, A. Gadea, C. Ur, N. Magineau, C. Rusu, R. Schwenger, Th. Kröll, W. Gelletly, S. Langdown, **P.H. Regan**, J.J. Valiente-Dobón, D.R. Napoli, R. Menegazzo, S. Lunardi, S. Bazzacco, E. Farnea, S. Lenzi, T. Martinez, M. Axiotis, D. Tonev, W. von Oertzen, B. Rubio, B. Quintana, N. Medina, R. Broda, D. Bucurescu, M. Ionescu-Bujor and I. Iodachescu, *Physics Review* **C70** (2004) 024301 p1-10 [41 citations]
92. *GEANT Monte Carlo Simulations for the GREAT Spectrometer.*  
A.N. Andreyev, P.A. Butler, R.D. Page, D.E. Appelbe, G.D. Jones, D.T. Joss, R.D.-Herzberg, **P.H. Regan**, J. Simpson, R. Wadsworth, *Nuclear Instruments and Methods in Physics Research* **A533** (2004), p422-434 [4 citations]
93. *High-Spin States in the Nuclei  $^{91}\text{Y}$  and  $^{95}\text{Nb}$ .*  
D. Bucurescu, Zs. Podolyák, C. Rusu, G. de Angelis, Y.H. Zhang, G. Cata-Danil, I. Cata-Danil, M. Ivascu, N. Marginean, R. Marginean, L.C. Mihailescu, G.A. Suliman, **P.H. Regan**, W. Gelletly, S.D. Langdown, J.J. Valiente-Dobón, D. Bazzacco, S. Lunardi, C.A. Ur, M. Axiotis, A. Gadea, E. Farnea, M. Ionescu-Bujor, A. Iordachescu, Th. Kröll, T. Martinez, P.G. Bizzetti, R. Broda, N.H. Medina, B. Quintana and B. Rubio, *Physical Review* **C71** (2005) 034315 p1-9 [1 citation]
94.  *$g$  Factor of the  $2_1^+$  State of  $^{160}\text{Er}$ .*  
A. Wolf, Z. Berant, N.V. Zamfir, D.S. Brenner, E.A. McCutchan, A. Heinz, R.F. Casten, C. Plettner, N. Pietralla, H. Ai, K. Dusling, D. Meyer, J. Qiang, J. Vinsen, R. Winkler, D. Swanson, E. Williams and **P.H. Regan**, *Physical Review* **C72** (2005) 027301 p1-3. [2 citations]
95. *Shape Evolution in the Neutron-Rich Tungsten Region.*  
P.D. Stevenson, M.P. Brine, Zs. Podolyák, **P.H. Regan**, P.M. Walker and J. Rikowska Stone, *Physical Review* **C72** (2005) 047303, p1-4 [12 citations]
96. \**Isomers in Neutron-Rich  $A \approx 190$  Nuclides from  $^{208}\text{Pb}$  Fragmentation.*  
M. Caamaño, P.M. Walker, **P.H. Regan**, M. Pfützner, Zs. Podolyák, J. Gerl, M. Hellström, P. Mayet, M.N. Mineva, A. Aprahamian, J. Benlliure, A.M. Bruce, P.A. Butler, D. Cortina Gil, D.M. Cullen, J. Döring, T. Enqvist, C. Fox, J. Garcés Narro, H. Geissel, W. Gelletly, J. Giovinazzo, M. Górska, H. Grawe, R. Grzywacz, A. Kleinböhl, W. Korten, M. Lewitowicz, R. Lucas, H. Mach, C.D. O'Leary, F. De Oliveira, C.J. Pearson, F. Rejmund, M. Rejmund, M. Sawicka, H. Schaffner, Ch. Schlegel, K. Schmidt, K.H. Schmidt, P.D. Stevenson,

Ch. Thiesen, F. Vivés, D.D. Warner, C. Wheldon, H.J. Wollersheim, S. Wooding, F. Xu and O. Yordanov, *European Physical Journal* **A23** (2005) p201-215 [**38 citations**]

97. *The Position Response of a Large-Volume Segmented Germanium Detector.*  
M. Descovich, P.J. Nolan, A.J. Boston, J. Dobson, S. Gros, J.R. Cresswell, J. Simpson, I. Lazarus, **P.H. Regan**, J.J. Valiente-Dobon, P. Sellin and C.J. Pearson, *Nuclear Instruments and Methods* **A553** (2005) 512-521 [**3 citations**]
98. *\*High Angular Momentum States Populated in Fragmentation Reactions.*  
Zs. Podolyák, J. Gerl, M. Hellström, F. Becker, K.A. Gladnishki, M. Górska, A. Kelić, Y. Kopatch, S. Mandal, **P.H. Regan**, K.H. Schmidt, P.M. Walker, H.J. Wollersheim, A. Banu, G. Benzoni, H. Boardman, E. Casarejos, J. Ekman, H. Geissel, H. Grawe, D. Hohn, I. Kojouharov, J. Leske, R. Lozeva, M.N. Mineva, G. Neyens, R.D. Page, C.J. Pearson, M. Prtillo, D. Rudolph, N. Saito, H. Schaffner, D. Sohler, K. Sümmerer, J.J. Valiente Dobón, C. Wheldon, H. Weick and M. Winkler, *Physics Letters* **B632** (2006) 203-206 [**18 citations**]
99. *\*Observation of an Isomeric State in  $^{197}\text{Au}$ .*  
C. Wheldon, J.J. Valiente-Dobón, **P.H. Regan**, C.J. Pearson, C.Y. Wu, J.F. Smith, A.O. Macchiavelli, D. Cline, R.S. Chakrawarthy, R. Chapman, M. Cromaz, P. Fallon, S.J. Freeman, A. Górgen, W. Gelletly, A. Hayes, H.Hua, S. Langdown, I.Y. Lee, X. Liang, Zs. Podolák, G. Sletten, R. Teng, D. Ward, D.D. Warner and A.D. Yamamoto, *Physical Review* **C74** (2006) 027303 p1-4
100. *\*Identification of a High-Spin Isomer in  $^{99}\text{Mo}$ .*  
G.A. Jones, **P.H. Regan**, P.M. Walker, Zs. Podolyák, P.D. Stevenson, M.P. Carpenter, J.J. Carroll, R.S. Chakrawarthy, P. Chowdhury, G.D. Dracoulis, A.B. Garnsworthy, G. Hackman, R.V.F. Janssens, T.L. Khoo, F.G. Kondev, G.J. Lane, Z. Liu, D. Seweryniak, N.J. Thompson, S. Zhu and S.J. Williams, *Physical Review* **C76** (2007) 047303 p1-4
101. *g-Factor of the  $2_1^+$  State of  $^{170}\text{Hf}$ .*  
A. Wolf, Z. Berant, A. Heinz, V. Werner, E.A. McCutchan, G. Gürdal, R.B. Cakirli, Y. Oktem, J. Ai, L. Amon, C.W. Beausang, D.S. Brenner, R.F. Casten, R. Casperson, C.R. Fitzpatrick, A.B. Garnsworthy, N. Pietralla, J. Qian, **P.H. Regan**, N.J. Thompson, E. Williams and R. Winkler, *Physical Review* **C76** (2007) 047308 p1-4. [2 citations].
102. *\*Yrast Studies of  $^{80,82}\text{Se}$  Using Deep-Inelastic Reactions.*  
G.A. Jones, **P.H. Regan**, Zs. Podolyák, N. Yoshinaga, K. Higashiyama, G. deAngelis, Y.H. Zhang, A. Gadea, C.A. Ur, M.Axiotis, D.Bazzacco, R. Broda, D.Bucurescu, E. Farnea, W. Gelletly, M. Ionescu-Bujor, A. Iordachescu, Th. Kröll, S.D. Langdown, S. Lenzi, S. Lunardi, N.Marginean, T. Martinez, N. Medina, R. Menegazzo, D.R. Napoli, B. Quintana, B. Rubio, C. Rusu, R. Schenger, D. Tonev, J.J. Valiente Dobon and W. von Oertzen, *Physical Review* **C76** (2007) 054317 p1-5 [**4 citations**]
103. *\*Intrinsic State Lifetimes in  $^{103}\text{Pd}$  and  $^{106,7}\text{Cd}$ .*  
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. Gürdal, K.L. Keyes, D.A. Meyer,

M.N. Erduran, A. Pappenberg, N. Pietralla, C. Plettner, G. Rainovski, R.V. Ribas, N.J. Thomas, J. Vinson, D.D. Warner, V. Verner, E. Williams, H.L. Liu and F.R. Xu *Physical Review* **C76** (2007) 064302 p1-8

104. *Gamma-ray Spectroscopy of the Neutron-Rich Nuclei  $^{89}\text{Rb}$ ,  $^{92}\text{Y}$  and  $^{93}\text{Y}$  with Deep-Inelastic Reactions.*

D. Bucurescu, C. Rusu, N. Marginean, C.A. Ur, G. de Angelis, L. Corradi, D. Bazzacco, S. Beghini, F. Della Vedova, G. Duchene, E. Farnea, T. Faul, E. Fioretto, A. Gadea, W. Gelletly, B. Guiot, M. Ionescu-Bujor, A. Iordachescu, S.D. Langdown, S.M. Lenzi, S. Lundardi, P. Mason, C. Mihai, R. Marginean, R. Menegazzo, G. Montagnoli, D. Napoli, Zs. Podolyák, **P.H. Regan**, F. Scarlassara, A.M. Stefanini, G. Suliman, S. Szilner, M. Trotta and Y.H. Zhang, *Physical Review* **C76** (2007) 064301 p1-10 [4 citations].

105. *\*Observation of Isomeric Decays in the r-Process Waiting Point Nucleus  $^{130}\text{Cd}_{82}$ .*

A. Jungclaus, L. Cáceres, M. Górska, M. Pfützner, S. Pietri, E. Werner-Malento, T.R. Rodriguez, J.L. Egido, H. Grawe, K. Langanke, G. Martinez-Pinedo, F. Nowacki, A. Poves, J. Quenca, D. Rudolph, Z. Podolyák, **P.H. Regan**, P. Detistov, S. Lalkovski, V. Modamio, J. Walker, P. Bednarczyk, P. Doornenbal, H. Geissel, J. Gerl, J. Grebosz, I. Kojouharov, N. Kurz, W. Prokopowicz, H. Schaffner, H.J. Wollersheim, K. Andgren, J. Benlliure, G. Benzoni, A.M. Bruce, E. Casarejos, B. Cederwall, F.C.L. Crespi, B. Hadina, M. Hellström, R. Hoischen, G. Ilie, A. Khaplanov, M. Kmiecik, R. Kumar, A. Maj, S. Mandal, F. Montes, S. Myalski, G. Simpson, S.J. Steer, S. Tashenov and O. Wieland, *Physical Review Letters* **99** (2007) 132501 p1-4 [39 citations]

106. *\*Neutron-Proton Pairing Competition in  $N=Z$  Nuclei: Metastable State Decays in the Proton Dripline Nuclei  $^{82}_{41}\text{Nb}$  and  $^{86}_{43}\text{Tc}$ .*

A.B. Garnsworthy, **P.H. Regan**, L. Cáceres, S. Pietri, Y. Sun, D. Rudolph, M. Górska, Zs. Podolák, S.J. Steer, R. Hoischen, A. Heinz, F. Becker, P. Bednarczyk, P. Doornenbal, H. Geissel, J. Gerl, H. Grawe, J. Grebosz, A. Kelic, I. Kojouharov, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, H. Schaffner, S. Tachenov, E. Werner-Malento, H.J. Wollersheim, G. Benzoni, B. Blank, C. Brandau, A.M. Bruce, F. Camera, W.N. Catford, I.J. Cullen, Zs. Dombradi, E. Estevez, W. Gelletly, G. Ilie, J. Jolie, G.A. Jones, A. Jungclaus, M. Kmiecik, F.G. Kondev, T. Kurtukian-Nieto, S. Lalkovski, Z. Liu, A. Maj, S. Myalski, M. Pfützner, T. Shizuma, A.J. Simons, S. Schwertel, P.M. Walker, O. Wieland and F.R. Xu *Physics Letters* **B660** (2008) p326-330; erratum, **B668** (2008) p460 [10 citations].

107. *Enhanced Mixing of Intrinsic States in Deformed Hf Nuclei.*

E.A. McCutchan, R.F. Casten, V. Werner, E. Williams, R. Winkler, A. Wolf, Z. Berant, G. Gürdal, J. Qian, H. Ai, L. Amon, C.W. Beausang, D.S. Brenner, R.B. Cakirli, R.J. Casperson, C.R. Fitzpatrick, D. Frank, A.B. Garnsworthy, A. Heinz, R. Lüttke, A.F. Mertz, Y. Oktem, N. Pietralla, **P.H. Regan**, B. Shoraka, J.R. Terry and N.J. Thompson, *Physical Review* **C77** (2008) 055304, p1-14

108. *\*Evidence for an Isomeric  $\frac{3}{2}^-$  State in  $^{53}\text{Co}$ .*

D. Rudolph, R. Hoischen, M. Hellström, S. Pietri, Zs. Podolyák, **P.H. Regan**, A.B. Gar-

- nsworthy, S.J. Steer, F. Becker, P. Bednarczyk, L. Cáceres, P. Doornenbal, J. Gerl, M. Górska, J. Grebosz, I. Kojouharov, N. Kurz, W. Prokopowicz, H. Schaffner, H.J. Wollersheim, L.L. Andersson, D.L. Balabanski, M.A. Bentley, A. Blazhev, C. Brandau, J. Brown, C. Fahlander, E.K. Johansson, A. Jungclaus and S.M. Lenzi, *European Physical Journal* **A36** (2008) p131-138. [**6 citations**]
109. \**Optimizing Recoil-Isomer Tagging with the Argonne Fragment Mass Analyser.*  
A.B. Garnsworthy, C.J. Lister, **P.H. Regan**, B. Blank, I.J. Cullen, S. Gros, D.J. Henderson, G.A. Jones, Z. Liu, D. Seweryniak, B.R. Shumard, N.J. Thompson, S.J. Williams and S. Zhu, *Nuclear Instruments and Methods in Physics Research* **A594** (2008) p184-187.
110. \**Isospin Symmetry and Proton Decay: Identification of the  $10^+$  Isomer in  $^{54}\text{Ni}$ .*  
D. Rudolph, R. Hoischen, M. Hellström, S. Pietri, Zs. Podolyák, **P.H. Regan**, A.B. Garnsworthy, S.J. Steer, F. Becker, P. Bednarczyk, L. Cáceres, P. Doornenbal, J. Gerl, M. Górska, J. Grebosz, I. Kojouharov, N. Kurz, W. Prokopowicz, H. Schaffner, H.J. Wollersheim, L.L. Andersson, D.L. Balabanski, M.A. Bentley, A. Blazhev, C. Brandau, J. Brown, C. Fahlander, E.K. Johansson, A. Jungclaus and S.M. Lenzi, *Physical Review* **C78** (2008) 021301(R) (Rapid Communications) 4 pages [**10 citations**]
111. \**High-Spin Structure of Neutron-Rich Se, As, Ge and Ga Isotopes.*  
N. Yoshinaga, K. Higashiyama and **P.H. Regan**, *Physical Review* **C78** (2008) 044320, p1-12 [**4 citations**].
112. \**Single Particle Behaviour at  $N=126$ : Isomeric Decays in Neutron-Rich  $^{204}\text{Pt}$ .*  
S.J. Steer, Zs. Podolyák, S. Pietri, M. Górska, **P.H. Regan**, D. Rudolph, E. Werner-Malento, A.B. Garnsworthy, R. Hoischen, J. Gerl, H.J. Wollersheim, K.H. Maier, F. Becker, P. Bednarczyk, L. Cáceres, P. Doornenball, H. Geissel, H. Grawe, J. Grebosz, A. Kelic, I. Kojouharov, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, H. Schaffner, S. Tachenov, A. Heinz, M. Pfützner, T. Kurtukian-Nieto, G. Benzoni, A. Jungclaus, D.L. Balabanski, C. Brandau, A. Brown, A.M. Bruce, W.N. Catford, I.J. Cullen, Zs. Dombrádi, E. Estevez, W. Gelletly, G. Ilie, J. Jolie, G.A. Jones, M. Kmiecik, F.G. Kondev, R. Krücken, S. Lalkovski, Z. Liu, A. Maj, S. Myalski, S. Schwertel, T. Shizuma, P.M. Walker and O. Wieland, *Physical Review* **C78** (2008) 061302(R) Rapid Communications p1-5. [**14 citations**]
113. \**Testing of a DSSSD Detector for the Stopped RISING Project.*  
R. Kumar, F.G. Molina, S. Pietri, E. Casajeros, A. Algora, J. Benlliure, P. Doornenbal, J. Gerl, M. Górska, I. Kojouharov, Zs. Podolyák, W. Prokopowicz, **P.H. Regan**, R. Rubio, H. Schaffner, S. Tachenov and H.J. Wollersheim, *Nuclear Instruments and Methods in Physics Research* **A598** (2009) p754-758. [**14 citations**].
114. \**Spherical Proton-Neutron Structure of Isomeric States in  $^{128}\text{Cd}$ .*  
L. Cáceres, M. Górska, A. Jungclaus, M. Pfützner, H. Grawe, F. Nowacki, K. Sieja, S. Pietri, D. Rudolph, Zs. Podolyák, **P.H. Regan**, E. Werner-Malento, P. Detistov, S. Lalkovski, V. Modamio, J. Walker, K. Andgren, P. Bednarczyk, J. Benlliure, G. Benzoni, A.M. Bruce, E. Casajeros, B. Cederwall, F.C.L. Crespi, P. Doornenbal, H. Geissel, J. Gerl, J. Grebosz,

- B. Hadina, M. Hellström, R. Hoischen, G. Ilie, A. Khaplanov, M. Kmiecik, I. Kojouharov, R. Kumar, N. Kurz, K. Langanke, A. Maj, S. Mandal, F. Montes, G. Martinez-Pinedo, S. Myalski, G. Simpson, S.J. Steer, S. Tashenov and O. Wieland, *in Physical Review C* **70** Rapid Communications (2009) 0311301(R) p1-5 [4 citations].
115. \**Proton-hole Excitation in the Closed Shell Nucleus  $^{205}\text{Au}$* .  
Zs. Podolyák, G. Farrelly, **P.H. Regan**, A.B. Garnsworthy, S.J. Steer, M. Górska, J. Benlliure, E. Casajeros, S. Pietri, J. Gerl, H.J. Wollersheim, R. Kumar, F. Molina, A. Algora, N. Alkhomashi, G. Benzoni, A. Blazhev, P. Boutachkov, A.M. Bruce, L. Cáceres, I.J. Cullen, A.M. Denis, P. Doornenbal, M.E. Estevez, Y. Fujita, W. Gelletly, H. Geissel, J. Grebosz, R. Hoischen, I. Kojouharov, S. Lalkovski, Z. Liu, C. Mihai, D. Mücher, B. Rubio, H. Schaffner, A. Tamii, S. Tashenov, J.J. Valiente-Dobón, P.M. Walker and P.J. Woods, *Physics Letters* **B672** (2009) p116-119. [7 citations].
116. \**Evolution of the  $N=82$  Shell Gap Below  $^{132}\text{Sn}$  Inferred from Core Excited States in  $^{131}\text{In}$* .  
M. Górska, L. Cáceres, H. Grawe, M. Pfützner, A. Jungclaus, S. Pietri, E. Werner-Malento, Zs. Podolyák, **P.H. Regan**, D. Rudolph, B.A. Brown, P. Detistov, S. Lalkovski, V. Modamio, J. Walker, T. Beck, P. Bednarczyk, P. Doornenbal, H. Geissel, J. Gerl, J. Grebocz, I. Kojouharov, N. Kurz, S. Mandal, W. Prokopowicz, H. Schaffner, H. Wieck, H.J. Wollersheim, K. Andgren, J. Benlliure, G. Benzoni, A.M. Bruce, E. Casajeros, B. Cederwall, F.C.L. Crespi, B. Hadina, M. Hellström, R. Hoischen, G. Ilie, A. Khaplanov, M. Kmiecik, R. Kumar, A. Maj, S. Mandal, F. Montes, S. Myalski, G. Simpson, S.J. Steer, S. Tashenov, O. Wieland, Zs. Dombrádi, P. Reiter and D. Sohler, *Physics Letters* **B672** (2009) p313-316. [5 citations].
117. \**Weakly Deformed Oblate Structures in  $^{198}\text{Os}_{122}$* .  
Zs. Podolyák, S.J. Steer, S. Pietri, F.R. Xu, H.L. Liu, **P.H. Regan**, D. Rudolph, A.B. Garnsworthy, R. Hoischen, M. Górska, J. Gerl, H.J. Wollersheim, T. Kurtukian-Nieto, G. Benzoni, T. Shizuma, F. Becker, P. Bednarczyk, L. Cáceres, P. Doornenbal, H. Geissel, J. Grebosz, A. Kelic, I. Kojouharov, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, H. Schaffner, S. Tashenov, A. Heinz, M. Pfützner, A. Jungclaus, D.L. Balabanski, C. Brandau, A.M. Bruce, W.N. Catford, I.J. Cullen, Zs. Dombrádi, E. Estevez, W. Gelletly, G. Ilie, J. Jolie, G.A. Jones, M. Kmiecik, F.G. Kondev, R. Krücken, S. Lalkovski, Z. Liu, A. Maj, S. Myalski, S. Schwertel, P.M. Walker, E. Werner-Malento and O. Wieland, *Physical Review C* **79** Rapid Communications March (2009) 031305(R) 4 pages. [5 citations].
118. *g-Factor of the  $2_1^+$  State of  $^{172}\text{Hf}$* .  
Z. Berant, E. Oster, A. Wolf, R.J. Casperson, V. Werner, A. Heinz, R.F. Casten, G. Gurdhal, E.A. McCutchan, D.S. Brenner, J.R. Terry, R. Winkler, E. Williams, J. Qian, A. Schmidt, M. Smith, T. Ahn, C.W. Beausang, **P.H. Regan**, T. Ross, M. Bunce, B. Dorkchiesa, D.A. Meyer, J. LeBlanc, K. Dudziak, C. Bauer and G. Henning, *Physical Review C* **80** (2009) 057303 (4 pages)
119. \**Isomeric States in Very Neutron-Deficient Nb and Tc Isotopes Populated in Projectile Fragmentation of  $^{107}\text{Ag}$* .  
A.B. Garnsworthy, **P.H. Regan**, S. Pietri, Y. Sun, D. Rudolph, M. Górska, L. Cáceres,

- Zs. Podolák, S.J. Steer, A. Heinz, F. Becker, P. Bednarczyk, P. Doornenbal, H. Geissel, J. Gerl, H. Grawe, J. Grebosz, A. Kelic, I. Kojouharov, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, H. Schaffner, S. Tachenov, E. Werner-Malento, H.J. Wollersheim, G. Benzoni, B. Blank, C. Brandau, A.M. Bruce, F. Camera, W.N. Catford, I.J. Cullen, Zs. Dombrádi, E. Estevez, W. Gelletly, R. Hoischen, G. Ilie, J. Jolie, G.A. Jones, A. Jungclaus, M. Kmiecik, F.G. Kondev, T. Kurtukian-Nieto, S. Lalkovski, Z. Liu, A. Maj, S. Myalski, M. Pfützner, T. Shizuma, A.J. Simons, S. Schwertel, P.M. Walker, O. Wieland and F.R. Xu *Physical Review* **C80** (2009) 064303 12 pages [**4 citations**].
120. *\* $\beta^-$ -Delayed Spectroscopy of Neutron-Rich Nuclei: Shape Evolution in Neutron-rich Tungsten Isotopes.*  
N. Alkhomashi, **P.H. Regan**, Zs. Podolyák, S.B. Pietri, A.B. Garnsworthy, S.J. Steer, J. Benlliure, E. Casajeros, R.F. Casten, J. Gerl, H.J. Wollersheim, J. Grebosz, G. Farrelly, M. Górska, I. Kojouharov, H. Schaffner, A. Algora, G. Benzoni, A. Blazhev, P. Boutachkov, A.M. Bruce, A.M. Denis Bacelar, I.J. Cullen, L. Cáceres, P. Doornenbal, M.E. Estevez, Y. Fujita, W. Gelletly, R. Hoischen, R. Kumar, S. Lalkovski, Z. Liu, C. Mihai, F. Molina, D. Múcher, B. Rubio, Y. She, A. Tamii, S. Tashenov, J.J. Valiente-Dobón, P.M. Walker and P.J. Woods, *Physical Review* **C80** (2009) 064308 12 pages [**3 citations**].
121. *Population of Low-Seniority Isomeric States of  $^{206}\text{Hg}$  by Two-Proton Knockout Reactions at Relativistic Energies.*  
E.C. Simpson, J.A. Tostevin, Zs. Podolyák, **P.H. Regan** and S.J. Steer, *Physical Review* **C80** (2009) 064608 8 pages.
122. *\*Nuclear Structure 'Southeast' of  $^{208}\text{Pb}$ : Isomeric States in  $^{208}\text{Hg}$  and  $^{209}\text{Tl}$ .*  
N. Al-Dahan, Zs. Podolyák, **P.H. Regan**, M. Górska, H. Grawe, K.H. Maier, J. Gerl, S.B. Pietri, H.J. Wollersheim, N. Alkhomashi, A.Y. Deo, A.M. Denis Bacelar, G. Farrelly, S.J. Steer, A.M. Bruce, P. Boutachkov, C. Domingo-Pardo, R.F. Casten, A. Algora, J. Benlliure, A. Bracco, E. Calore, E. Casarejos, I.J. Cullen, P. Detistov, Z. Dombrádi, M. Doncel, F. Farinon, H. Geissel, W. Gelletly, N. Goel, J. Grebosz, R. Hoischen, I. Kojouharov, N. Kurz, S. Lalkovski, S. Leoni, F. Molina, D. Montanari, A.I. Morales, A. Musumarra, D.R. Napoli, R. Nicolini, C. Nociforo, A. Prochazka, W. Prokopowicz, B. Rubio, D. Rudolph, H. Schaffner, P. Strmen, I. Szarka, T. Swan, J.J. Valiente-Dobón, S. Verma, P.M. Walker and H. Weick, *Physical Review* **C80** Rapid Communications, (2009) 061302(R) 5 pages [**2 citations**].
123. *\*Structure of Neutron-rich Nuclei around the N=126 Closed Shell: the Yrast Structure of  $^{205}\text{Au}_{126}$  up to spin-parity  $I^\pi=(\frac{19}{2}^+)$ .*  
Zs. Podolyák, S.J. Steer, S. Pietri, M. Górska, **P.H. Regan**, D. Rudolph, A.B. Garnsworthy, R. Hoischen, J. Gerl, H.J. Wollersheim, H. Grawe, K.H. Maier, F. Becker, L. Cáceres, P. Doornenbal, H. Geissel, J. Grebocz, A. Kelic, I. Kojouharov, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, H. Schaffner, S. Tashenov, A. Heinz, T. Kurtukian-Nieto, G. Benzoni, M. Pützner, A. Jungclaus, D.L. Balabanski, C. Brandau, B.A. Brown, A.M. Bruce, W.N. Catford, I.J. Cullen, Zs. Dombrádi, M.E. Estevez, W. Gelletly, G. Ilie, J. Jolie, G.A. Jones, M. Kmiecik, F.G. Kondev, R. Krücken, S. Lalkovski, Z. Liu, A. Maj, S. Myal-

- ski, S. Schwertel, T. Shizuma, P.M. Walker, E. Werner-Malento and O. Wieland. *European Physical Journal* **A42** (2009) 489-493 [**2 citations**].
124. \**Decays in the Yrast Band of Neutron-Rich  $^{168,170}\text{Dy}$ : Ground State Band Evolution Approaching the Valence Maximum.*  
P.A. Söderström, J. Nyberg, **P.H. Regan**, S.F. Ashley, W.N. Catford, W. Gelletly, G.A. Jones, Z. Liu, S. Pietri, Zs. Podolyák, S.J. Steer, N.J. Thompson, S.J. Williams, A. Algora, G. de Angelis, L. Corradi, E. Grodner, C.Y. He, D. Napoli, F. Recchia, E. Sahin, A. Stefanini, J.J. Valiente-Dóbon, S. Aydin, D. Bazzacco, E. Farnea, S. Lunardi, R. Menegazzo, D. Mengoni, C.A. Ur, R.J. Casperson, V. Werner, J. Cederkäll, R. Chapman, K. Keyes, M. Labiche, X. Liang, J. Ollier, J.F. Smith, K.M. Spohr, C. Fahlander, S.J. Freeman, A. Gadea, N. Marginean and G.M. Tveten, *Physical Review* **C81** (2010) 034310 (5 pages) [**2 citations**].
125. *Low-lying Isomeric Levels in  $^{75}\text{Cu}$ .*  
J.M. Daugas, T. Faul, M. Pfützner, R. Gryzwacz, M. Lewitowicz, N.L. Achouri, J.C. Angélique, D. Baiborodin, R. Bentida, R. Béraud, C. Brocea, C.R. Bingham, W.N. Catford, A. Emsallem, G. de France, H. Grawe, K.L. Jones, R.C. Lemmon, M.J. Lopez Jiminez, F. de Oliveira Santos, **P.H. Regan**, K. Rykaczewski, J.E. Sauvestre, M. Sawicka and M. Stanoiu, *Physical Review* **C81** (2010) 034304 (6 pages)
126. *Differential Isomeric Ratios Following Two-Proton Knockout from  $^{208}\text{Pb}$ .*  
E.C. Simpson, J.A. Tostevin, Zs. Podolyák, **P.H. Regan** and S.J. Steer, *Physical Review* **C82** (2010) 037602
127. *Nanosecond Isomers in Neutron-Rich  $^{112}\text{Tc}$  and  $^{113}\text{Tc}$ .*  
A.M. Bruce, S. Lalkovski, A.M. Denis Bacelar, M. Górska, S. Pietri, Z. Podolák, P.M. Walker, F.R. Xu, A.B. Garnsworthy, S. Steer, **P.H. Regan**, P. Bednarczyk, L. Caceres, E. Casajeros, I.J. Cullen, P. Doornenball, G.F. Farrelly, W. Gelletly, J. Gerl, J. Grebosz, C. Hinke, G. Ilie, G. Jaworski, I. Kojouharov, N. Kurz, S. Myalski, M. Palacz, W. Prokopowicz, H. Schaffner, S. Tashenov and H.J. Wollersheim, *Physical Review* **C82** (2010) 044312 (4 pages).
128. *A Digital Method for Separation and Reconstruction of Pile-up Events in Germanium Detectors.*  
M. Nakhostin, Zs. Podolyák, **P.H. Regan** and P.M. Walker, *Review of Scientific Instruments* **81** (2010) 103507 (5 pages).
129. *Study of Collisions of the Radioactive  $^{24}\text{Ne}$  Beam at 7.9 MeV/u on  $^{208}\text{Pb}$ .*  
G. Benzoni, F. Azaiez, G.I. Stefan, S. Franchoo, S. Battacharyya, R. Borca, A. Bracco, L. Corradi, D. Curien, G. de France, Zs. Dombradi, E. Fioretto, S. Grevy, F. Ibrahim, S. Leoni, D. Montanari, G. Mukherjee, G. Pollarolo, N. Redon, **P.H. Regan**, C. Schmitt, G. Sletten, D. Sohler, M. Stanoiu, S. Szilner and D. Verney, *European Physical Journal* **A45** (2010) p287-292.
130. \**Isomer Spectroscopy of  $^{127}\text{Cd}$ .*  
F. Navqi, M. Górska, L. Cáceres, A. Jungclauss, M. Pfützner, H. Grawe, F. Nowacki, K. Sieja,

- S Pietri, E. Werner-Malento, **P.H. Regan**, D. Rudolph, Zs. Podolyák, J. Jolie, K. Andgren, T. Beck, P. Bednarczyk, J. Benlliure, G. Benzoni, A.M. Bruce, E. Casajeros, B. Cederwall, F.C.L. Crespi, P. Detistov, Zs. Dombradi, P. Doornenbal, H. Geissel, J. Gerl, J. Grebosz, B. Hadina, M. Hellström, R. Hoischen, G. Ilie, A. Khaplanov, I. Kojouharov, M. Kmiecik, N. Kurz, S. Lalkovski, A. Maj, S. Mandal, V. Modamio, F. Montes, S. Myalski, W. Prokopowicz, P. Reiter, H. Schaffner, G. Simpson, D. Sohler, S.J. Steer, S. Tashenov, J. Walker, O. Wieland and H.J. Wollersheim, *Physical Review* **C82** (2010) 034323
131. *Observation of a New High-Spin Isomer in  $^{94}\text{Pd}$ .*  
T.S. Brock, B.S. Nara Singh, P. Boutachkov, N. Braun, A. Blazhev, Z. Liu, R. Wadsworth, M. Górska, H. Grawe, S. Pietri, C. Domingo-Pardo, S. Steer, A. Atac, L. Bettermann, L. Cáceres, T. Engert, K. eppinger, T. Faestermann, F. Farinon, F. Finke, K. Geibel, J. Gerl, N. Goel, A. Gottardo, J. Grebosz, C. Hinke, R. Hoischen, G. Ilie, H. Iwasaki, J. Jolie, I. Kojouharov, R. Krücken, N. Kurz, E. Merchán, C. Nociforo, J. Nyberg, M. Pfützner, A. Prochazka, Zs. Podolyák, **P.H. Regan**, P. Reiter, D. Rudolph, S. Rinta-Antilla, H. Schaffner, C. Scholl, P.A. Söderström, N. Warr, H. Weick, H.J. wollersheim and P. Woods *Physical Review* **C82** Rapid Communications (2010) 061309(R) (5 pages)
132. *\*Isomeric Mirror States as Probes for Effective Charges in the Lower pf Shell.*  
R. Hoischen, D. Rudolph, H.L. Ma, P. Montuenga, M. Hellström, S. Pietri, Zs. Podolyák, **P.H. Regan**, A.B. Garnsworthy, S.J. Steer, F. Becker, P. Bednarczyk, L. Cáceres, P. Doornenbal, J. Gerl, M. Górska, J. Grebosz, I. Kojouharov, N. Kurz, W. Prokopowicz, H. Schaffner, H.J. Wollersheim, L.L. Andersson, L. Atanasova, D.L. Balabanski, M.A. Bentley, A. Blazhev, C. Brandau, J.R. Brown, C. Fahlander, E.K. Johansson and A.Jungclaus, *Journal of Physics G: Nuclear and Particle Physics* **38** (2011) 035104 (17 pages)
133. *\*First Observation of the Decay of a  $15^-$  Seniority  $\nu=4$  Isomer in  $^{128}\text{Sn}$ .*  
S. Pietri, A. Jungclaus, M Górska, H. Grawe, M. Pfützner, L. Cáceres, P. Detistov, S. Lalkovski, V. Modamio, Zs. Podolyák, **P.H. Regan**, D. Rudolph, J. Walker, E. Werner-Malento, P. Bednarczyk, P. Doornenbal, H. Geissel, J. Gerl, J. Grebosz, I. Kojouharov, N. Kurz, W. Prokopowicz, H. Schaffner, H.J. Wollersheim, K. Andgren, J. Benlliure, G. Benzoni, A.M. Bruce, E. Casarejos, B. Cederwall, F.C.L. Crespi, B. Hadina, M. Hellström, R. Hoischen, G. Ilie, A. Khaplanov, M. Kmiecik, R. Kumar, A. Maj, S. Mandal, F. Montes, S. Myalski, G. Simpson, S.J. Steer, S.Tashenov and O. Wieland, *Physical Review* **C83** (2011) 044328 (6 pages)
134. *\*Spectroscopic Calculations of the Low-Lying Structure in Exotic Os and W Isotopes.*  
K. Nomura, T. Otsuka, R. Rodriguez-Guzmán, L.M. Robledo, P. Sarriguren, **P.H. Regan**, P.D. Stevenson and Zs. Podolyák, *Physical Review* **C83** (2011) 054303 (7 pages).
135. *Synthesis of  $N=127$  Isotones through  $(p,n)$  Charge-exchange Induced by Relativistic  $^{208}\text{Pb}$  Projectiles.*  
A.I. Morales, J. Benlliure, J. Agrumunt, A. Algora, N. Alkhomashi, H. Álvarez-Pol. P. Boutachkov, A.M. Bruce, L.S. Cáceres, E. Casajeros, A.M. Denis Bacelar, P. Doornenbal,

- D. Dragosavac, G. Farrelly, A. Gadea, W. Gelletly, J. Gerl, M. Górska, J. Grebosz, I. Kojouharov, D. Pérez-Loureiro, S. Pietri, Zs. Podolyák, F. Molina, **P.H. Regan**, B. Rubio, H. Schaffner, S.J. Steer, S. Tashenov, S. Verma and H.J. Wollersheim, *Physical Review* **C84** (2011) 011601 (R) (5 pages).
136. *High-spin Isomers in  $^{96}\text{Ag}$ : Excitations Across the  $Z=38$  and  $Z=60$ ,  $N=50$  Closed Shells.*  
P. Boutachkov, M. Górska, H. Grawe, A. Blazhev, N. Braun, T. Brock, Z. Liu, B.S. Nara Singh, R. Wadsworth, S. Pietri, C. Domingo-Pardo, I. Kojouharov, L. Cáceres, T. Engert, F. Farinon, J. Gerl, N.Goel, J. Grebosz, R. Hoischen, N. Kurz, C. Nociforo, A. Prochazka, H. Schaffner, S. Steer, H. Weick, H.J. Wollersheim, A. Atac, L. Bettermann, K. Eppinger, F. Finke, T. Faestermann, K. Geibel, A. Gottardo, C. Hinke, G. Ilie, H. Iwasaki, J. Jolie, R. Krücken, E. Merchán, J. Nyberg, M. Pfützner, Zs. Podolyák, **P.H. Regan**, P. Reiter, D. Rudolph, S. Rinta-Antila, C. Scholl, P.-A. Söderström, N. Warr, P. Woods, F. Nowacki and K. Sieja, *Physical Review* **C84** (2011) 044311 (6 pages).
137. *\*Isomeric States Observed in Heavy Neutron-Rich Nuclei Populated in the Fragmentation of a  $^{208}\text{Pb}$  Beam.*  
S.J. Steer, Zs. Podolyák, S. Pietri, M/ Górska, H. Grawe, K.H. Maier, **P.H. Regan**, D. Rudolph, A.B. Garnsworthy, R. Hoischen, J. Gerl, H.J. Wollersheim, F. Becker, P. Bednarczyk, L. Cáceres, P. Doornenbal, H. Geissel, J. Grebosz, A. Kelic, I. Kojouharov, N. Kurz, F. Montes, W. Prokopowicz, T. Saitoh, H. Schaffner, S. Tashenov, A. Heinz, M. Pfützner, T. Kurtukian-Nieto, G. Benzoni, A. Jungclaus, D.L. Balabanski, M. Bowry, C. Brandau, A. Brown, A.M. Bruce, W.N. Catford, I.J. Cullen, Zs. Dombradi, M.E.Estevez, W. Gelletly, G. Ilie, J. Jolie, G.A. Jones, M. Kmiecik, F.G. Kondev, R. Krücken, S. Lalkovski, Z. Liu, A. Maj, S. Myalski, S. Schwertel, T. Shizuma, P.M. Walker, E. Werner-Malento and O. Wieland, *Physical Review* **C84** (2011) 044313 (22 pages)
138. *Existence of the  $16^+$  Spin-Gap Isomer in  $^{96}\text{Cd}$ .*  
B.S. Nara Singh, R. Wadsworth, H. Grawe, Z. Liu, T. Brock, P. Boutachkov, N. Braun, A. Blazhev, M. Górska, S. Pietri, C. Domingo-Pardo, S.J. Steer, L. Cáceres, T. Faestermann, F. Farinon, N. Goel, J. Grébosz, R. Hoischen, I. Kojouharov, N. Kurz, C. Nociforo, J. Nyberg, A. Prochazka, Zs. Podolyák, H. Weick, A. Atac, L. Bettermann, K. Eppinger, T. Engert, F.Finke, K. Geibel, J. Gerl, R. Gernhäuser, A. Gottardo, C. Hinke, G. Ilie, H. Iwasaki, J. Jolie, A. Kaskas, R. Krücken, E. Merchán, M. Pfützner, **P.H. Regan**, P. Reiter, D. Rudolph, S. Rinta-Antila, C. Scholl, H. Schaffner, P.A. Söderström, N. Warr, H.J. Wollersheim, P.J. Woods, F. Nowacki and K. Sieja, *Physical Review Letters* **107** (2011) 172502 (5 pages)
139. *\*Multiple  $\beta^-$  Decaying States in  $^{194}\text{Re}$ : Shape Evolution in Neutron-Rich Osmium Isotopes.*  
N. Al-Dahan, **P.H. Regan**, Zs. Podolyák, P.M. Walker, N. Alkhomashi, G.D. Dracoulis, G. Farrelly, J. Benlliure, S.B. Pietri, R.F. Casten, W. Gelletly, S.J. Steer, A.B. Garnsworthy, E. Casarejos, J. Gerl, H.J. Wollersheim, J. Grebosz, M. Górska, I. Kojouharov, H. Schaffner, A. Algora, G. Benzoni, A. Blazhev, P. Boutachkov, A.M. Bruce, I.J. Cullen, A.M. Denis Bacelar, A.Y. Deo, M.E. Estevez, Y. Fujita, R. Hoischen, R. Kumar, S. Lalkovski, Z. Liu,

- P.J. Mason, C. Mihai, F. Molina, D. Mücher, B. Rubio, A. Tamii, S. Tashenov, J.J. Valiente-Dobón and P.J. Woods, *submitted to Physical Review C* July 2011
140. \**An Evaluation of the Natural Radioactivity in Andaman Beach Samples of Thailand After the 2004 Tsunami.*  
D. Malain, **P.H. Regan**, D.A. Bradley, M. Matthews, H.A. Al-Sulaiti and T. Santawamaitre, *submitted to Applied Radiation and Isotopes*, August 2011.
141. \**The Neutron-Rich Isotopes  $^{167,168,169}\text{Ho}$  Studied in Multi-nucleon Transfer Reactions.*  
G.M. Tveten, P.A. Söderström, J. Cederkäll, J. Nyberg, C. Fahlander, **P.H. Regan**, N. Marginean, A. Algora, D. de Angelis, S.F. Ashley, S. Aydin, D. Bazzacco, R.J. Casperson, W.N. Catford, R. Chapman, L. Corradi, E. Farnea, E. Fioretto, S.J. Freeman, A. Gadea, W. Gelletly, A. Gottardo, E. Grodner, C.Y. He, G.A. Jones, K. Keyes, M. Labiche, X. Liang, Z. Liu, S. Lunardi, R. Marginean, P. Mason, R. Menegazzo, D. Mengoni, G. Montagnoli, D. Napoli, J. Ollier, S. Pietri, Zs. Podolyák, G. Pollarolo, F. Recchia, E. Sahin, F. Scarlasara, R. Silverstri, J.F. Smith, K.M. Spohr, S.J. Steer, A.M. Stefanini, G. Suliman, S. Szilner, N.J. Thompson, C.A. Ur, J.J. Valiente-Dobón, V. Werner and S.J. Williams *to be submitted to European Physical Journal A*.
142. \**Half-life of the  $I^\pi = 4^-$  Intruder State in  $^{34}\text{P}$ :  $M2$  Transition Strengths Approaching the Island of Inversion.*  
P.J.R. Mason, T. Alharbi, **P.H. Regan**, N. Marginean, Zs. Podolyák, N. Alkhomashi, P.C. Bender, M. Bowry, M. Bostan, D. Bucurescu, A.M. Bruce, G. Cata-Danil, I. Cata Danil, R. Chakrabarti, D. Deleanu, P. Detistov, M.N. Erduran, D. Filipescu, U. Garg, T. Glodariu, D. Ghita, S.S. Ghugre, A. Kusoglu, R. Marginean, C. Mihai, M. Nakhostin, A. Negret, S. Pascu, C. Rodriguez Triguero, T. Sava, E.C. Simpson, A.K. Sinha, L. Stroe, G. Suliman and N.V. Zamfir, *submitted to Physics Letters B* 12 October 2011.
143. *New Isomes in the Full Seniority Scheme of Neutron-Rich Lead Isotopes: The Role of Effective Three-Body Forces.*  
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. Wieck, 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. Casajeros, 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, 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. Srmén, T.P.D. Swan, I. Szarka, C.A. Ur, P.M. Walker, O. Wieland, H.J. Wollersheim, F. Nowacki, E. Maglione and A.P. Zucker, *to be submitted to Physical Review Letters*

## Refereed Conference Papers Published in Peer Reviewed Journals

144. *Evidence for Octupole Softness of the Superdeformed Shape from Band Interactions in  $^{193,194}\text{Hg}$ .*  
 D.M. Cullen, M.A. Riley, A. Alderson, I. Ali, T. Bengtsson, M.A. Bentley, A.M. Bruce, P. Fallon, P.D. Forsyth, F. Hanna, S.M. Mullins, W. Nazarewicz, R.J. Poynter, **P.H. Regan**, J.W. Roberts, W. Satula, J.F. Sharpey-Schafer, J. Simpson, G. Sletten, P.J. Twin, R. Wadsworth and R. Wyss, *Nuclear Physics* **A520** (1990) p105c-113c [**8 citations**]
145. *Observation of the Decay Out of the Superdeformed Band in  $^{143}\text{Eu}$ .*  
 A. Atac, M. Piiparinen, B. Herskind, J. Nyberg, G. Sletten, G. de Angelis, R.M. Clark, S.A. Forbes, N. Gjorup, G.B. Hagemann, F. Ingebretsen, H.J. Jensen, D. Jerrestam, H. Kusakari, R.M. Lieder, G.V. Marti, S. Mullins, P.J. Nolan, E.S. Paul, **P.H. Regan**, D. Santonocio, H. Schnare, K. Strähle, M. Sugawara, P.O. Tjom, A. Virtanen and R. Wadsworth, *Nuclear Physics* **A557**, (1993) p109c-124c [**6 citations**]
146. *\*Studies of Isomeric States and Limits of Particle Stability Around  $N\sim Z\sim 40$  Using Fragmentation Reactions.*  
**P.H. Regan**, C. Chandler, C.J. Pearson, B. Blank, R. Grzywacz, M. Lewitowicz, A.M. Bruce, W.N. Catford, N. Curtis, S. Czajkowski, P. Dessange, A. Fleury, W. Gelletly, J. Giavinnazzo, Z. Janas, C. Longour, C. Marchand, C. Miede, N.A. Orr, R.D. Page, M.S. Praavikoff, A.T. Reed, M.G. Saint-Laurent, S.M. Vincent, R. Wadsworth, D.D. Warner and J.S. Winfield, *Acta Physica Polonica* **B28** (1997) p431-442 [**25 citations**]
147. *\*High Resolution Gamma-Ray Spectroscopy with a Radioactive Beam.*  
 W.N. Catford, S. Mohammadi, **P.H. Regan**, C.S. Purry, W. Gelletly, P.M. Walker, G.J. Gyapong, J. Simpson, D.D. Warner, T. Davinson, R. Neal, R.D. Page, A.C. Shotter, I.M. Hibbert, R. Wadsworth, S.A. Forbes, A.M. Bruce, C. Thwaites, P. Thirolf, P. Van Duppen, W. Galster, A. Ninane, J. Vervier, P. Decroock, M. Huyse, J. Szerypo and J. Wauters, *Nuclear Physics* **A626** (1997) p303c-310c [**2 citations**]
148. *Competition Between Collective and Intrinsic States in  $^{186}\text{Os}$ .*  
 C. Wheldon, P.M. Walker, **P.H. Regan**, T. Saitoh, N. Hashimoto and G. Sletten, *Balkan Physics Letters*, (1998) p199-202
149. *\*An Yrast Study of the  $A=61$  Isobars,  $^{61}_{29}\text{Cu}$  and  $^{61}_{30}\text{Zn}$ .*  
 S.M. Vincent, **P.H. Regan**, S. Mohammadi, D. Blumenthal, M. Carpenter, C.N. Davids, W. Gelletly, R.V.F. Janssens, C.J. Lister, C.J. Pearson, J. Simpson, D. Seweryniak, J. Schwartz and D.D. Warner, *Journal of Physics*. **G25** (1999) p941-943 [**2 citations**]
150. *\*Discrete Line Spectroscopy of  $^{62}_{31}\text{Ga}$  with AYEBALL*  
 S.M. Vincent, **P.H. Regan**, D. Blumenthal, M. Carpenter, C.N. Davids, W. Gelletly, R.V.F. Janssens, C.J. Lister, J. Simpson, D. Seweryniak, J. Schwartz and D.D. Warner, *Journal of Physics* **G25** (1999) p679-683 [**1 citation**]

151. \**High Spin States in  $^{58}\text{Ni}$* .  
S. Mohammadi, **P.H. Regan**, S.M. Vincent, D. Blumenthal, M. Carpenter, C.N. Davids, W. Gelletly, R.V.F. Janssens, C.J. Lister, C.J. Pearson, J. Simpson, D. Seweryniak, J. Schwartz and D.D. Warner, *Journal of Physics* **G25** (1999) p909-912 [**1 citation**]
152. \**Half-lives of the Odd-Odd  $N=Z$  Nuclei  $^{78}\text{Y}$ ,  $^{82}\text{Nb}$  and  $^{86}\text{Tc}$* .  
C. Longour, J. Garcés Narro, B. Blank, M. Lewitowicz, Ch. Miehé, **P.H. Regan**, D. Applebe, L. Axelsson, A.M. Bruce, W.N. Catford, C. Chandler, R.M. Clark, D. Cullen, S. Czajkowski, J.M. Daugas, Ph. Dessagne, A. Fleury, L. Frankland, W. Gelletly, J. Giovinazzo, B. Greenhalgh, R. Grzywacz, M. Harder, K.L. Jones, N. Kelsall, T. Kszczot, R.D. Page, C.J. Pearson, A.T. Reed, O. Sorlin and R. Wadsworth, *Journal of Physics* **G25** (1999) p759-762 [**2 citations**]
153. *Study of  $\mu\text{s}$ -Isomers in Neutron-Rich Nuclei around  $Z=28$  and  $N=40$  Shell Closures*.  
M. Lewitowicz, J.M. Daugas, R. Grzywacz, L. Achouri, J.C. Angélique, D. Baiborodin, R. Bentida, R. Béraud, C. Bingham, C. Borcea, W. Catford, A. Emsallem, C. de France, M. Glogowski, H. Grawe, D. Guillemaud-Mueller, M. Houry, S. Hurkanen, K.L. Jones, R.C. Lemmon, A.C. Mueller, A. Nowak, F. de Oliveira-Santos, A. Plochocki, M. Pfützner, **P.H. Regan**, K. Rykaczewski, M.G. Saint-Laurent, J.E. Sauvestre, M. Sawicka, M. Schaefer, G. Seltten, O. Sorlin, M. Stanoiu, J. Szerypo, W. Trinder, S. Viteritti and J. Winfield, *Nuclear Physics* **A654** (1999) p687c-690c
154. *Investigation of Oblate-Prolate Shape-Coexistence in  $^{74}\text{Kr}$* .  
F. Becker, W. Korten, P.A. Butler, F. Hannachi, P. Paris, N. Buorn, C. Chandler, A. Jansen, M. Houry, H. Hübel, P. Greenlees, P.M. Jones, R. Julin, H. Kankaanpää, C.F. Liang, A. Lopez-Martens, E. Mergel, Y. Le Coz, R. Lucas, **P.H. Regan**, G. Schönwasser and Ch. Thiesen, *Physica Scripta* **T88** (2000) p17-19 [**5 citations**]
155. \**K-Isomers in Very Neutron-Rich Nuclei Around Mass 180*.  
C. Schlegel, **P.H. Regan**, M. Pfützner, J. Gerl, M. Hellström, Zs. Podolyák, M. Caamaño, P. Mayet, A. Aprahamian, J. Benlliure, A.M. Bruce, P.A. Butler, D. Cortina Gil, D.M. Cullen, J. Döring, T. Enquist, F. Farget, C. Fox, J. Garcés Narro, W. Gelletly, J. Giovinazzo, M. Górska, H. Grawe, R. Grzywacz, A. Kleinböhl, W. Korten, M. Lewitowicz, R. Lucas, H. Mach, M. Mineva, C. O'Leary, F. De Oliveira, C.J. Pearson, M. Rejmund, M. Sawicka, H. Schaffner, K. Schmidt, Ch. Thiesen, P.M. Walker, D.D. Warner, C. Wheldon, H.J. Wollersheim, S. Wooding and F. Xu, *Physica Scripta* **T88** (2000) p72-76 [**9 citations**]
156. \**Isomeric Decays in  $^{200}\text{Pt}$* .  
M. Caamaño, P.M. Walker, **P.H. Regan**, C.J. Pearson, Zs. Podolyák, P. Mayet, J. Gerl, Ch. Schlegel, M. Hellström, M. Mineva and M. Pfützner, *Acta Physica Polonica* **B32** (2001) p763-766 [**6 citations**]
157. *The GREAT Triggerless Data Readout Method*.  
I.H. Lazarus, D.E. Appelbe, P.A. Butler, P.J. Coleman-Smith, J.R. Cresswell, S.J. Freeman, R.D. Herzberg, I. Hibbert, D.T. Joss, S.C. Letts, R.D. Page, V.F.E Pucknell, **P.H. Regan**,

- J. Sampson, J. Simpson, J. Thornhill and R. Wadsworth, *IEEE Transactions on Nuclear Science* **48** (2001) p567-569 [**78 citations**]
158. \**Nuclear Structure of Heavy Neutron Rich Systems: Fragmentation Spectroscopy with a 1 GeV per Nucleon Beam.*  
M. Caamaño, **P.H. Regan**, Zs. Podolyák, C.J. Pearson, P. Mayet, J. Gerl, Ch. Schlegel, M. Pfützner, M. Hellström, M. Mineva and the GSI ISOMER Collaboration, *Nuclear Physics A* **682** (2001) p223c-228c [**8 citations**]
159. \**Nuclear Structure Studies by Means of Short-Lived Isomers at Intermediate Energies.*  
M. Lewitowicz, B. Blank, J.M. Daugas, H. Grawe, R. Grzywacz, G. Neyens, M. Pfützner, **P.H. Regan** and K. Rykacewski, *Nuclear Physics A* **682** (2001) p175c-182c [**4 citations**]
160. *Measurement of the g-Factors of Isomers Near the Proposed N=40 Subshell Closure.*  
G. Georgiev, D.L. Balabanski, C. Bingham, C. Borcea, N. Coulier, R. Coussement, J.M. Daugas, G. Defrance, F. de Oliveira Santos, G. Goldring, M. Górska, H. Grawe, R. Grzywacz, M. Hass, C. O'Leary, M. Lewitowicz, H. Mach, I. Macovei, R. Page Yu-E. Penionzkevich, Zs. Podolyák, **P.H. Regan**, K. Rykaczewski, M. Sawicka, N.A. Smirnova, Yu.G. Sobolev, M. Stanoiu, S. Teughels, K. Vyvey and G. Neyens, *Yad. Fiz.* **64** (2001) p1258-1262; *Physics of Atomic Nuclei* **64** (2001) p1181-1185 [**3 citations**]
161. \**Population of High Spin States in Relativistic Fragmentation.*  
M. Pfützner, **P.H. Regan**, P.M. Walker, Zs. Podolyák, M. Caamaño, J. Gerl, M. Hellström, P. Mayet and M. Mineva, *Acta Physica Polonia* **B32** (2001) p2507-2517 [**3 citations**]
162. *Gamma-ray Spectroscopy with Relativistic Exotic Heavy-Ions.*  
S. Mandal, J. Gerl, H. Geisel, K. Hauschild, M. Hellström, Z. Janas, I. Kojouharov, Y. Kopatch, R.C. Lemmon, P. Mayet, Zs. Podolyák, **P.H. Regan**, H. Schafner, C. Schlegel, J. Simpson, H.J. Wollersheim, *Pramana* **57** (2001) p161-164. (Proc. of the Int. Workshop on Physics with Multidetector Arrays, Saha Institute of Nucl. Phys., Kolkata, Nov. 8-10, 2000, Indian Academy of Sciences, Bangalore (ed: Binary Dasmahapatra).
163. \**Isomeric Decays in Neutron-Rich W-Os and Pt Nuclei.*  
Zs. Podolyak, M. Caamano, **P.H. Regan**, P.M. Walker, P. Mayet, J. Gerl, Ch. Schlegel, M. Hellström, M. Mineva, and M. Pfützner, *Progress of Theoretical Physics Supplement* **146** (2002) p467-472 [**2 citations**]
164. \**Cranked-Hartree-Fock-Bogoliubov Analysis at the Valence Maximum: Yrast Behaviour of  $^{170}_{66}\text{Dy}_{104}$ .*  
M. Oi, **P.H. Regan**, F.R. Xu, P.M. Walker, A. Rath and P.D. Stevenson, *Progress of Theoretical Physics* **146** (2002) p609-610 [**1 citation**]
165. *G-Factors of Isomers Around  $N \approx 40$ ,  $Z \approx 28$  from Time-Dependent Larmor Precession on Spin-Aligned Projectile-Like Fragments.*  
G. Neyens, G. Georgiev, R. Grzywacz, M. Hass, F. de Oliveira Santos, M. Lewitowicz, D.L. Balabanski, C. Bingham, C. Borcea, N. Coulier, R. Coussement, J.M. Daugas,

- G. DeFrance, G. Goldring, M. Górska, Yu-E. Penionzkevich, Zs. Podolyák, **P.H. Regan**, M. Pfützner, K. Rykaczewski, M. Sawicka, G. Sletten, N. Smirnova, Y. Sobolev, S. Teughels and K. Vyvey, *Nuclear Physics* **A701** (2002) p403c-409c [**1 citation**]
166. *Isomer Spectroscopy of Fragmentation and Fission Products.*  
M. Mineva, M. Hellström, M. Bernas, J. Gerl, H. Grawe, M. Pfützner, **P.H. Regan** and the GSI ISOMER Collaboration, *Balkan Physics Letters* (2002) p267-272
167. *\*Isomer Probes of Nuclear Structure Following Deep-Inelastic Reactions.*  
S. Al-Garni, **P.H. Regan**, P.M. Walker, J. Garces Narro, H.M. El Masri, C.J. Pearson, E. Roeckl, R. Kirchner, M. La Commara, C. Mazzochi, H. Grawe, R. Borcea, J. Döring, S.C. Wooding, K. Schmidt, C. Wheldon, D.M. Cullen and W.D. Schmidt-Ott, *Bulgarian Nuclear Science Transactions* **7** (2002) p137-144
168. *\*Digital Gamma-Ray Tracking Algorithms in Segmented Germanium Detectors.*  
C.J. Pearson, J.J. Valiente Dobon, **P.H. Regan**, P.J. Sellin, E. Morton, P. Nolan, A. Boston, M. Deskovich, J. Thornhill, J. Cresswell, I. Lazarus and J. Simpson, *IEEE Transactions in Nuclear Science* **49** no.3 (2002) p1209-1215 [**4 citations**]
169. *\*Isomer Spectroscopy in the Neutron-Deficient Lead Region Following Projectile Fragmentation.*  
K.A. Gladnishki, Zs. Podolyák, J. Gerl, M. Hellström, Y. Koatch, S. Mandal, M. Górska, **P.H. Regan**, H.J. Wollersheim, A. Banu, G. Benzoni, H. Boardman, M. La Commara, J. Ekman, A. Korgul, M. Matos, M.N. Mineva, R.D. Page, C.J. Pearson, C. Plettner, D. Rudolph, Ch. Scheidenberger, V. Shishkin, D. Sohler, K. Sümmerner, J.J. Valiente Dobon, H. Weick and M. Winkler, *Acta Physica Polonica* **B34** (2003) p2395-2398 [**3 citations**]
170. *\*Performance of a 6x6 Segmented Germanium Detector for Gamma-ray Tracking.*  
J.J. Valiente-Dobón, C.J. Pearson, **P.H. Regan**, P.J. Sellin, W. Gelletly, E. Morton, A. Boston, M. Descovich, P.J. Nolan, J. Simpson, I. Lazarus and D. Warner, *Nuclear Instruments and Methods in Physics Research* **A505** (2003) p174-177 [**1 citation**]
171. *\*Heavy Nuclei Studied in Projectile Fragmentation.*  
Zs. Podolyák, **P.H. Regan**, P.M. Walker, M. Caamaño, K. Gladnishki, J. Gerl, M. Hellström, M. Pfützner, and M. Mineva, *Nuclear Physics* **A722** (2003) p273c-278c [**10 citations**]
172. *Structure of Neutron-Rich Nuclei from Deep-Inelastic Reactions.*  
Zs. Podolyák, S. Mohammadi, G. de Angelis, Y.H. Zhang, M. Axiotis, D. Bazzacco, F.G. Bizzeti, F. Brandolini, R. Broda, D. Bucurescu, E. Farnea, W. Gelletly, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, Th. Kröll, S.D. Langdown, S. Lunardi, N. Marginean, T. Martinez, N.H. Medina, B. Quintana, **P.H. Regan**, B. Rubio, C.A. Ur, J.J. Valiente-Dobón, and P.M. Walker, *International Journal of Modern Physics* **E 13** (2004) 123-126 [**11 citations**]

173. *G-factors of Isomeric States in the Neutron-Rich Nuclei.*  
 G. Georgiev, G. Neyens, M. Haasm D.L. Balabanski, C. Borcea, N.Coulier, R.Coussement, J.M. Daugas, G. de France, M. Görska, H. Grawe, R. Grzywacz, M. Lewitowicz, H. Mach, I. Matea, F. de Oliveira Santos, R.D. Page, M. Pützner, Yu.E.Penionzhkevich, Z. Podolyák, **P.H. Regan**, K. Rykaczewski, M. Sawicka, N.A. Smirnova, Yu. Sobolev, M. Stanoiu, S. Teughels and K. Vyvey, *European Physical Journal* **A20** (2004) p93-94 [**1 citation**]
174. *Coupling a CLOVER Detector Array with the PRISMA Magnetic Spectrometer: Investigation of Moderately Neutron-Rich Nuclei Populated by Multinucleon Transfer and Deep Inelastic Collisions*  
 A. Gadea, D.R. Napoli, G. de Angelis, R. Menegazzo, A.M. Stefanini, L. Corradi, M. Axiotis, L. Berti, E. Fioretto, T. Kroell, A. Latina, N. Marginean, G. Maron, T. Martinez, D. Rosso, C. Rusu, N. Toniolo S. Szilner, M. Trotta, D. Bazzacco, S. Beghini, M. Bellato, F. Brandolini, E. Farnea, R.Isocrate, S.M. Lenzi, S. Lunardi, G. Montagnoli, P. Pavan, C. Rossi Alvarez, F. Scarlassara, C. Ur, N. Blasi, A. Bracco, F. Camera, S. Leoni, B. Million, M. Pignanelli, G. Pollarolo, A. DeRosa, G. Inghima, M. La Commara, G. La Rana, D. Pierroutsakou, M. Romoli, M. Sandoli, P.G. Bizzeti, A.M. Bizzeti-Sona, G. Lo Bianco, C.M. Petrache, A. Zucchiatti, P.Cocconi, B.Quintana, Ch. Beck, D. Curien, G. Duchene, F. Haas, P. Medina, P. Papka, J. Durell, S.J. Freeman, A. Smith, B. Varley, K. Fayz, V. Pucknell, J. Simpson, W. Gelletly and **P.H. Regan**, *European Physical Journal* **A20** (2004) p193-197 [**18 citations**]
175. \*Production of Exotic Nuclear Isomers in Multinucleon Transfer Reactions.  
**P.H. Regan**, J.J. Valiente-Dobón, C. Wheldon, C.Y.-Wu, J.F. Smith, A.O. Macchiavelli, D. Cline, R.S. Chakrawarthy, R. Chapman, M. Cromaz, P. Fallon, S.J. Freeman, A. Görgen, W. Gelletly, A. Hayes, S.D. Langdown, I.Y. Lee, X. Liang, C.J. Pearson, Zs. Podolyák, T. Teng, D. Ward, D.D. Warner and A.D. Yamamoto, *Laser Physics Letters* **1** (2004) p317-324 [**2 citations**]
176. *High-Spin States Populated in Deep-Inelastic Reactions.*  
 S. Mohammadi, Zs. Podolyák, G. de Angelis, M. Axiotis, D. Bazzacco, F.G. Bizzeti, F. Brandolini, R. Broda, D. Bucurescu, E. Farnea, W. Gelletly, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, Th. Kröll, S.D. Langdown, S. Lunardi, N. Marginean, T. Martinez, N.H. Medina, B. Quintana, **P.H. Regan**, B. Rubio, C.A. Ur, J.J. Valiente-Dobón, P.M. Walker and Y.H. Zhang, *Proceeding of the V. Latin American Symposium on Nuclear Physics* Santos, September 2003, *Brazillian Journal of Physics* **34** (2004) p792-795 [**1 citation**]
177. *Studies of high-K Isomers at TRIUMF-ISAC.*  
 M.B. Smith, P.M. Walker, R.S. Chakrawarthy, R.A.E. Austin, G.C. Ball, J.J. Carroll, E. Cunningham, P. Finlay, P.E. Garrett, G.F. Grinyer, G. Hackman, B. Hyland, K. Koppmans, W.D. Kulp, J.R. Leslie, A.A. Phillips, R. Propri, **P.H. Regan**, F. Sarazin, M.A. Schumaker, H.C. Scraggs, T. Shizuma, C.E. Svensson, J. von Schwarzenberg, J.C. Waddington, D. Ward, J.L. Wood, B. Washbrook and E.F. Zganjar, *proceedings of the RNB6 Conference, Nuclear Physics* **A746** (2004) p617c-620c [**2 citation**]

178. \**Vibrational and Rotational Sequences in  $^{101}\text{Mo}$  and  $^{103,4}\text{Ru}$  Studied via Multinucleon Transfer Reactions.*  
**P.H. Regan**, C. Wheldon, A.D. Yamamoto, J.J. Valiente-Dobòn, D. Cline, C.Y. Wu, A.O. Macchiavelli, F.R. Xu, J.F. Smith, K. Andgren, R.S. Chakrawarthy, M. Cromaz, P. Fallon, S.J. Freeman, A. Görgen, A. Hayes, H. Hua, S.D. Langdown, I-Y. Lee, C.J. Pearson, Zs. Podolyák and R. Teng, *Proceedings of the XXXIX Zakopane School of Physics - International Symposium on Atomic Nuclei at Extremes of Temperature, Spin and Isospin, Acta Physica Polonica* **B36** (2005) p1313-1322 [**2 citations**]
179. *Oblate Collectivity in the Yrast Structure of  $^{194}\text{Pt}$ .*  
 G.A. Jones, Zs. Podolák, N. Schunck, P.M. Walker, G. DeAngelis, Y.H. Zhang, M. Axiotis, D. Bazzacco, P.G. Bizzetti, F. Brandolini, R. Broda, D. Bucurescu, E. Farnea, W. Gelletly, A. Gadea, M. Ionescu-Bujour, A. Iordachescu, Th. Kröll, S.D. Langdown, S. Lunardi, N. Marginean, T. Martinez, N.H. Medina, B. Quintana, **P.H. Regan** B. Rubio, C.A. Ur, J.J. Valiente-Dobòn and S.J. Williams, *Proceedings of the XXXIX Zaokpane School of Physics - International Symposium on Atomic Nuclei at Extremes of Temperature, Spin and Isospin, Acta Physica Polonica* **B36** (2005) p1323-1328 [**5 citations**]
180. *Isomers and Seniority in the Trans-Pb Nuclei.*  
 J.J. Ressler, C.W. Beausang, R.F. Casten, N.V. Zamfir, H. Ai, M. Babilon, R.B. Cakirloi, J.A. Caggiano, G. Gürdal, A. Heinz, R.O. Hughes, S.D. Langdown, E.A. McCutchan, D.A. Meyer, C. Plettner, J. Qian, **P.H. Regan**, M.J. Sciacchitano, N.J. Thomas, E. Williams and A. Yamamoto, *The Proceedings of the International Conference on Nuclear Structure, Astrophysics and Reactions, NUSTAR'05, Journal of Physics G: Nuclear and Particle Physics* **21** (2005) S1605-1610 [**1 citation**]
181. \**RDDM Lifetime Measurements in  $^{107}\text{Cd}$ .*  
 K. Andgren, S.F. Ashley, **P.H. Regan**, E.A. McCutchan, N.V. Zamfir, L. Amon, R.B. Cakirli, R.F. Casten, R.M. Clark, G. Gürdhal, K. Keyes, D.A. Meyer, M.N. Erduran, A. Papenbberg, N. Pietralla, C. Plettner, R.V. Ribas, N.J. Thomas, J. Vinson, D.D. Warner, V. Werner and E. Williams, *The Proceedings of the International Conference on Nuclear Structure, Astrophysics and Reactions, NUSTAR'05, Journal of Physics G: Nuclear and Particle Physics* **31** (2005) S1563-1568 [**3 citations**]
182. \**Testing the Intergration of  $\text{BaF}_2$  Detectors into the  $8\pi$  Array - Fast Timing Measurements at TRIUMF.*  
 S.J. Williams, P.M. Jenneson, P.E. Garrett, **P.H. Regan**, C. Andreoiu, G.C. Ball, R.S. Chakrawarthy, J.J. Daoud, C.F. Grinyer, G. Hackman, B. Hyland, N.A. Mlwilo, A.C. Morton, C.J. Pearson, M.A. Schumaker, M.B. Smith, C.E. Svensson and J.J. Valiente Dobón, *The Proceedings of the International Conference on Nuclear Structure, Astrophysics and Reactions, NUSTAR'05, Journal of Physics G: Nuclear and Particle Physics* **31** (2005) S1979-1984 [**1 citation**]

183. \*Population of Yrast States in  $^{191}\text{Os}$  Using Deep-Inelastic Reactions.  
G.A. Jones, Zs. Podolyák, P.M. Walker, **P.H. Regan**, G. de Angelis, M. Axiotis, D. Bazzacco, P.G. Bizzeti, F. Brandolini, R. Broda, D. Bucurescu, E. Farnea, W. Gelletly, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, Th. Kröll, S.D. Langdown, S. Lunardi, N. Marginean, T. Martinez, N.H. Medina, B. Quintana, R. Rubio, C.A. Ur, J.J. Valiente Dobón, S.J. Williams and Y.H. Zhang, *The Proceedings of the International Conference on Nuclear Structure, Astrophysics and Reactions, NUSTAR'05, Journal of Physics G: Nuclear and Particle Physics* **21** (2005) S1891-1894 [**3 citations**]
184. *Evidence for X(5) Critical Point Symmetry in  $^{128}\text{Ce}$ .*  
D.L. Balabanski, K.A. Gladnishki, G. Lo Bianco, A. Saltarelli, N.V. Zamfir, E.A. McCutchan, J. Ai, R.F. Casten, A. Heinz, D.A. Meyer, C. Plettner, J. Qian, V. Werner, E. Williams, B. Akkus, L. Amon, M.N. Erduran, Y. Oktem, S.F. Ashley, **P.H. Regan**, G. Rainovski, *International Journal of Modern Physics E* **15** (2006) 1735-1740, Proceedings of the International Conference, Shanghai, 2006.
185. *Nuclear Structure Far off Stability - RISING Campaigns.*  
M. Górska, A. Banu, P. Bednarczyk, A. Bürger, F. Camera, E. Caurier, P. Doornenbal, J. Gerl, H. Grawe, M. Honma, H. Hübel, A. Jungclaus, A. Maj, F. Nowacki, G. Neyens, T. Otsuka, A. Poves, M. Pfützner, S. Pietri, Zs. Podolyák, **P.H. Regan**, P. Reiter, D. Rudolph, H.J. Wollersheim and the RISING Collaboration, *Acta Physica Polonica* **B38** (2007) p1219-1228 [**2 citations**]
186. \*First Results from the Stopped Beam Isomer RISING Campaign at GSI.  
S. Pietri, **P.H. Regan**, Zs. Podolyák, D. Rudolph, M. Górska, A. Jungclaus, M. Pfützner, A.B. Garnsworthy, S.J. Steer, L. Cáceres, E. Werner-Malento, R. Hoischen, J. Gerl, I. Kojouharov, H. Schaffner, H.J. Wollersheim, F. Becker, P. Bednarczyk, P. Doornenbal, H. Geissel, J. Grebosz, A. Kelic, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, S. Tashenov, A. Heinz, T. Kurtukian-Nieto, G. Benzoni, M. Hellström, L.-L. Andersson, L. Atanasova, D.L. Balabanski, M.A. Bentley, B. Blank, A. Blazhev, C. Brandau, J.R. Brown, A.M. Bruce, F. Camera, W.N. Catford, I.J. Cullen, Zs. Dombradi, E. Estevez, C. Fahlander, W. Gelletly, G. Ilie, E.K. Johansson, J. Jolie, G.A. Jones, M. Kmiecik, F.G. Kondev, S. Lalkovski, Z. Liu, A. Maj, S. Myalski, T. Shizuma, A.J. Simons, S. Schwertel, P.M. Walker and O. Wieland *Acta Physica Polonica* **B38** (2007) p1255-1264 [**18 citations**]
187. \*Isomeric States in the Light Tc Isotopes.  
A.B. Garnsworthy, **P.H. Regan**, S. Pietri, D. Rudolph, L. Cáceres, M. Górska, Zs. Podolák, S.J. Steer, A. Heinz, F. Becker, P. Bednarczyk, P. Doornenbal, H. Geissel, J. Gerl, H. Grawe, J. Grebosz, A. Kelic, I. Kojouharov, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, H. Schaffner, S. Tachenov, E. Werner-Malento, H.J. Wollersheim, G. Benzoni, B. Blank, C. Brandau, A.M. Bruce, F. Camera, W.N. Catford, I.J. Cullen, Zs. Dombradi, E. Estevez, W. Gelletly, R. Hoischen, G. Ilie, J. Jolie, G.A. Jones, A. Jungclaus, M. Kmiecik, F.G. Kondev, T. Kurtukian-Nieto, S. Lalkovski, Z. Liu, A. Maj, S. Myalski, M. Pfützner, T. Shizuma, A.J. Simons, S. Schwertel, P.M. Walker and O. Wieland *Acta Physica Polonica* **B38** (2007) p1265-1269 [**5 citations**]

188. *\*Identification of Excited States in the  $N=Z$  Nucleus  $^{82}\text{Nb}$ .*  
 L. Cáceres, M. Górkša, A. Jungclaus, **P.H. Regan**, A.B. Garnsworthy, S. Pietri, Zs. Podolák, D. Rudolph, S.J. Steer, H. Grawe, D.L. Balabanski, F. Becker, P. Bednarczyk, G. Benzoni, B. Blank, C. Brandau, A.M. Bruce, F. Camera, W.N. Catford, I.J. Cullen, Zs. Dombradi, P. Doornenbal, E. Estevez, H. Geissel, W. Gelletly, J. Gerl, J. Grebosz, A. Heinz, R. Hoischen, G. Ilie, J. Jolie, G.A. Jones, M. Kmiecik, I. Kojouharov, F.G. Kondev, T. Kurtukian-Nieto, N. Kurz, S. Lalkowski, L. Liu, A. Maj, S. Myalski, F. Montes, M. Pfützner, W. Prokopowicz, T. Saito, H. Schaffner, S. Schwertel, T. Shizuma, A.J. Simons, S. Tashenov, P.M. Walker, E. Werner-Malento, O. Wieland and H.J. Wollersheim *Acta Physica Polonica* **B38** (2007) p1271-1275 [**3 citations**]
189. *\*Isomeric Ratio for the  $I^\pi=8^+$  Yrast State in  $^{96}\text{Pd}$  Produced in the Relativistic Fragmentation of  $^{107}\text{Ag}$ .*  
 S. Myaslski, M. Kmiecik, A. Maj, **P.H. Regan**, A.B. Garnsworthy, S. Pietri, D. Rudolph, Zs. Podolyák, S. Steer, F. Becker, P. Bednarczyk, J. Gerl, M.Górkša, H. Grawe, I. Kojouharov, H. Schaffner, H.J. Wollersheim, W. Prokopowicz, J. Grebosz, G. Benzoni, B. Blank, C. Brandau, A.M. Bruce, L. Cáceres, F. Camera, W.N. Catford, I.J. Cullen, Zs. Dombradi, P. Doornenbal, E. Estevez, H. Geissel, W. Gelletly, A. Heinz, R. Hoischen, G. Ilie, G.A. Jones, A. Jungclaus, A. Kelic, F.G. Kondev, T. Kurtukian-Nieto, N. Kurz, S. Lalkowski, Z. Liu, F. Montes, M. Pfützner, T. Saito, T. Shizuma, A.J. Simons, S. Schwertel, S. Tachenov, P.M. Walker, E. Werner-Malento, O. Wieland *Acta Physica Polonica* **B38** (2007) p1277-1282.
190. *\*Identification of Isomeric States ‘South’ of  $^{208}\text{Pb}$  via Projectile Fragmentation.*  
 S.J. Steer, Zs. Podolyák, S. Pietri, **P.H. Regan**, D. Rudolph, E. Werner-Malento, A.B. Garnsworthy, R. Hoischen, M. Górkša, J. Gerl, H.J. Wollersheim, F. Becker, P. Bednarczyk, L. Cáceres, P. Doornenbal, H. Geissel, J. Grebosz, A. Kelic, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, H. Schaffner, S. Tachenov, A. Heinz, M. Pfützner, T. Kurtukian-Nieto, G. Benzoni, A. Jungclaus, D.L. Balabanski, C. Brandau, A.M. Bruce, W.N. Catford, I.J. Cullen, Zs. Dombradi, E. Estevez, W. Gelletly, G. Ilie, J. Jolie, G.A. Jones, M. Kmiecik, F.G. Kondev, S. Lalkowski, Z. Liu, A. Maj, S. Myalski, T. Shizuma, S. Schwertel, P.M. Walker, O. Wieland *Acta Physica Polonica* **B38** (2007) p1283-1286 [**3 citations**]
191. *\*Spectroscopy of  $^{91}\text{Zr}_{51}$  at Medium to high Spins.*  
 N.J. Thompson, **P.H. Regan**, A.B. Garnsworthy, H.C. Ai, L. Amon, R.B. Cakirli, R.F. Casten, C.R. Fitzpatrick, S.J. Freeman, G. Gürdal, A. Heinz, G.A. Jones, E.A. McCutchan, J. Qian, V. Werner, S.J. Williams and R. Winkler, *Acta Physica Polonica* **B38** (2007) p1381-1384.
192. *\*Lifetime Determination of Excited States in  $^{106}\text{Cd}$ .*  
 S.F. Ashley, A. Linnemann, J. Jolie, **P.H. Regan**, K. Andgren, A. Dewald, E.A. McCutchan, B. Melon, O. Möller, N.V. Zamfir, L. Amon, N. Bloelaert, R.B. Cakirli, R.F. Casten, R.M. Clark, C. Fransen, W. Gelletly, G. Gürdal, M. Heidemann, K.L. Keyes, M.N. Erduran, D.A. Meyer, A. Papenberg, N. Pietralla, C. Plettner, G. Rainovski, R.V. Ribas,

N.J. Thomas, J. Vinson, D.D. Warner, V. Werner, E. Williams and K.O. Zell, *Acta Physica Polonica* **B38** (2007) p1385-1388. [**2 citations**]

193. \**Isomer Spectroscopy Using Relativistic Projectile Fragmentation at the N=Z Line for  $A \sim 80 \rightarrow 90$ .*

**P.H. Regan**, A.B. Garnsworthy, S. Pietri, L. Caceres, M. Górska, D. Rudolph, Zs. Podolyák, S.J. Steer, R. Hoischen, J. Gerl, H.J. Wollersheim, J. Grebosz, H. Schaffner, W. Prokopowicz, I. Kojouharov, F. Becker, P. Bednarczyk, P. Doornenball, H. Geissel, H. Grawe, A. Kelic, N. Kurz, F. Montes, T. Saito, S. Tashenov, E. Werner-Malento, A. Heinz, L. Atanasova, D. Balabanski, G. Benzoni, B. Blank, A. Blazhev, C. Brandau, A.M. Bruce, W.N. Catford, F. Camera, I.J. Cullen, M.E. Estevez, C. Fahlander, W. Gelletly, G. Ilie, A. Jungclaus, J. Jolie, T. Kurtukian-Nieto, Z. Liu, M. Kmiecik, A. Maj, S. Myalski, S. Schwertel, T. Shizuma, A.J. Simons, P.M. Walker, O. Wieland, Proceedings of the International Conference on Nucleus-Nucleus Collisions, Rio De Janiero, August 2006, *Nuclear Physics* **A787** (2007) 491c-498c [**16 citations**].

194. \*Recent Results in Fragmentation Isomer Spectroscopy With RISING.

S. Pietri, **P.H. Regan**, Zs. Podolyák, D. Rudolph, S.J. Steer, A.B. Garnsworthy, E. Werner-Malento, R. Hoischen, M. Górska, J. Gerl, H.J. Wollersheim, I. Kojouharov, H. Schaffner, F. Becker, P. Bednarczyk, L. Caceres, P. Doornenbal, H. Geissel, J. Grebosz, A. Kelic, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, S. Tashenov, A. Heinz, M. Pfützner, T. Kurtukian-Nieto, G. Benzoni, M. Hellström, A. Jungclaus, J. Simpson, L.-L. Andersson, L. Atanasova, D. Balabanski, M.A. Bentley, B. Blank, A. Blazhev, C. Brandau, J. Brown, A.M. Bruce, F. Camera, W.N. Catford, I.J. Cullen, Zs. Dombrádi, E. Estevez, C. Fahlander, W. Gelletly, G. Ilie, E.K. Johansson, I. Jolie, G.A. Jones, M. Kmiecik, F.G. Kondev, S. Lalkovski, Z. Liu, A. Maj, S. Myalski, T. Shizuma, A.J. Simons, S. Schwertel, P.M. Walker, O. Wieland, Proceedings of the CAARI 2006 conference, Texas, 2006, *Nuclear Instruments and Methods in Physics Research* **B261** (2007) 1079-1083. [**33 citations**].

195. \**Exciting Isomers from the First Stopped Beam RISING Campaign.*

D. Rudolph, S. Pietri, Zs. Podolyák, **P.H. Regan**, A.B. Garnsworthy, R. Hoischen, S.J. Steer, F. Becker et al., Proceedings of the RNB7 Conference *European Physical Journal Special Topics* **150** (2007) p173-176 [**1 citation**].

196. \**Isomeric Decays around  $^{204}\text{Pt}$  and  $^{148}\text{Tb}$ .*

Zs. Podolyák, S.J. Steer, S. Pietri, E. Werner-Malento, **P.H. Regan**, D. Rudolph, A.B. Garnsworthy, R. Hoischen, M. Górska, J. Gerl et al., Proceedings of the RNB7 Conference, *European Physical Journal Special Topics* **A150** (2007) (2006) p165-168

197. \**Experimental Details of the Stopped Beam RISING Campaign.*

S. Pietri, **P.H. Regan**, Zs. Podolyák, M. Pfützner, D. Rudolph, A.B. Garnsworthy, S.J. Steer, R. Hoischen, M. Górska, J. Gerl, H.J. Wollersheim, I. Kojouharov, H. Schaffner, J. Grebosz, F. Becker, P. Bednarczyk, L. Caeres, P. Doornenbal, H. Geissel, A. Kelic, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, S. Tashenov, E. Werner-Malento and W. Gelletly for

the Stopped Beam RISING Collaboration, Proceedings of the RNB7 Conference *European Physical Journal Special Topics* **150** (2007) p319

198. *In-Beam Gamma-ray Spectroscopy using DIC with a Radioactive Ne Beam*,  
G. Benzoni, F. Azaiez, S. Leoni, S. Battacharyya, R. Borcea, A. Bracco, L. Corradi, D. Curien, G. de France, Z. Dombradi, E. Fioretto, S. Franchoo, S. Grevy, F. Ibrahim, S. Iulian, G. Mukherjee, A. Navin, G. Pollarolo, N. Redon, **P.H. Regan**, M. Rejmund, C. Schmidt, G. Sletten, D. Sohler, M. Stanoiu, S. Szilner and D. Verney, Proceedings of the RNB7 Conference *European Physical Journal Special Topics* **150** (2007) p83-86
199. \**First Results with the RISING Active Stopper*.  
**P.H. Regan**, N. Alkhomashi, N. Al-Dahan, Zs. Podolyák, S.B. Pietri, S.J. Steer, A.B. Garnsworthy, E.B. Suckling, P.D. Stevenson, G. Farrelly, I.J. Cullen, W. Gelletly, P.M. Walker, J. Benlliure, A.I. Morales, E. Casajeros, M.E. Estevez, J. Gerl, M. Górska, H.J. Wollersheim, P. Boutachkov, S. Tashenov, I. Kojouharov, H. Schaffner, N. Kurz, R. Kumar, B. Rubio, A. Algora, F. Molina, J. Grebosz, G. Benzoni, D. Mücher, A.M. Bruce, A.M. Denis Bacelar, S. Lalkovski, Y. Fujita, A. Tamii, R. Hoischen, Z. Liu, P.J. Woods, C. Mihai, J.J. Valiente-Dobón, Proceedings of the International Workshop on Nuclear Structure Physics, Shanghai, China, 1-7 June 2008, *International Journal of Modern Physics* **E17, Issue 1 supplement** (2008) p8-20.
200. *The Northwest Frontier: Spectroscopy of  $N \sim Z$  Nuclei Below Mass 100*.  
R. Wadsworth, B.S. Nara Singh, A.N. Steer, D.G. Jenkins, M.A. Bentley, T. Brock, P. Davies, R. Glover, N.S. Pattabiraman, C. Scholey, T. Grahn, P.T. Greenlees, P. Jones, U. Jakobsson, R. Julin, S. Juutinen, S. Ketelhut, M. Leino, M. Nyman, P. Perua, J. Pakarinen, P. Rahkila, P. Ruotsalainen, J. Sorri, J. Uusitalo, C.J. Lister, P.A. Butler, M. Dimmock, D.T. Joss, J. Thomson, S. Rinta-Antila, B. Cederwall, B. Hadinia, M. Sandzelius, A. Atac, L. Betterman, A. Blazhev, N. Braun, F. Finke, K. Geibel, G. Ilie, H. Iwasaki, J. Jolie, P. Reiter, C. Scholl, N. Warr, P. Boutachkov, L. Caceres, C. Domingo, T. Engert, F. Farinon, J. Gerl, N. Goel, M. Gorska, H. Grawe, N. Kurz, I. Kojouharov, S. Pietri, C. Nociforo, A. Prochazka, H-J. Wollersheim, K. Eppinger, T. Faestermann, C. Hinke, R. Hoischen, R. Kruecken, A. Gottardo, Z. Liu, P. Woods, J. Grebosz, E. Merchant, J. Nyberg, P-A. Soderstrom, Z. Podolyak, **P.H. Regan**, S. Steer, M. Pfitzner, D. Rudolph, *Acta Physica Polonica* **B40** (2009) p611-620.
201. \* *$\beta$ -Delayed  $\gamma$ -Ray Spectroscopy of Heavy Neutron-Rich Nuclei 'South' of Lead*.  
A.I. Morales, J. Benlliure, **P.H. Regan**, Zs. Podolyák, M. Górska, N. Alkhomashi, S.B. Pietri, R. Kumar, E. Casarejos, A. Agramunt, A. Algora, H. Álvarez-Pol, N. Al-Dahan, G. Benzoni, A. Blazhev, P. Boutachkov, A.M. Bruce, I.J. Cullen, A.M. Denis Bacelar, D. Dragossavac, M.E. Estévez, G. Farrelly, Y. Fujita, A.B. Garnsworthy, W. Gelletly, J. Gerl, J. Grebosz, R. Hoischen, I. Kojouharov, N. Kurz, S. Lalkovski, Z. Liu, D. Pérez-Loureiro, C. Mihai, F. Molina, D. Mücher, B. Rubio, H. Schaffner, S.J. Steer, A. Tamii, S. Tashenov, J.J. Valiente-Dobón, S. Verma, P.M. Walker, H.J. Wollersheim and P.J. Woods, *Acta Physica Polonica* **B40** (2009) p867-870.

202. \**Isomeric States in  $^{208}\text{Hg}$  and  $^{209}\text{Tl}$  Populated in Fragmentation of  $^{208}\text{U}$ .*  
 N. Al-Dahan, Zs. Podolyák, **P.H. Regan**, S.J. Steer, A.M. Denis Bacelar, N. Alkhomashi, M. Górska, J. Gerl, H.J. Wollersheim, S.B. Pietri, H. Grawe, A.Y. Deo, G. Farrelly, P. Boutachkov, C. Domingo-Pardo, A. Algora, J. Benlliure, A. Bracco, A.M. Bruce, E. Calore, E. Casarejos, I.J. Cullen, P. Detistov, Z. Dombrádi, M. Doncel, F. Farinon, H. Geissel, W. Gelletly, N. Goel, J. Grebosz, R. Hoischen, I. Kojouharov, N. Kurz, S. Lalkovski, S. Leoni, F. Molina, D. Montanari, A.I. Morales, A. Musumarra, D.R. Napoli, R. Nicolini, C. Nociforo, A. Prochazka, W. Prokopowicz, B. Rubio, D. Rudolph, H. Schaffner, P. Strmen, I. Szarka, T. Swan, J.J. Valiente-Dobón, S. Verma, P.M. Walker and H. Weick, *Acta Physica Polonica* **B40** (2009) p871-874.
203. \* *$\beta^-$  Delayed and Isomer Spectroscopy of Neutron-Rich Ta Isotopes.*  
 N. Alkhomashi, **P.H. Regan**, Zs. Podolyák, S.B. Pietri, A.B. Garnsworthy, S.J. Steer, J. Benlliure, E. Casajeros, M. Górska, J. Gerl, H.J. Wollersheim, J. Grebosz, N. Kurz, I. Kojouharov, H. Schaffner, E.B. Suckling, P.D. Stevenson, A. Algora, G. Benzoni, A. Blazhev, P. Boutachkov, A.M. Bruce, L. Cáceres, P. Doornenbal, A.M. Denis, I.J. Cullen, M.E. Estevez, G. Farrelly, Y. Fujita, W. Gelletly, R. Hoischen, R. Kumar, S. Lalkovski, Z. Liu, C. Mihai, F. Molina, D. Múcher, B. Rubio, A. Tamii, S. Tashenov, J.J. Valiente-Dobón, P.M. Walker and P.J. Woods, *Acta Physics Polonica* **B40** (2009) p875-878.
204. \**Isomeric Ratios for Nuclei with  $Z=62-67$  and  $A=144-152$  Produced in the Relativistic Fragmentation of  $^{208}\text{Pb}$ .*  
 S. Myalski, A. Maj, Zs. Podolyák, F. Becker, P. Bednarczyk, G. Benzoni, B. Blank, C. Brandau, A.M. Bruce, L. Cáceres, F. Camera, W.N. Catford, I.J. Cullen, Zs. Dombradi, P. Doornenbal, E. Estevez, A.B. Garnsworthy, H. Geissel, W. Gelletly, J. Gerl, M. Górska, J. Grebosz, A. Heinz, R. Hoischen, G. Ilie, G.A. Jones, A. Jungclaus, A. Kelic, M. Kmiecik, I. Kojouharov, F.G. Kondev, T. Kurtukian-Nieto, N. Kurz, S. Lalkovski, Z. Liu, F. Montes, M. Pfützner, S. Pietri, W. Prokopowicz, **P.H. Regan**, D. Rudolph, T. Saito, H. Schaffner, S. Schwertel, T. Shizuma, A.J. Simons, S.J. Steer, S. Tachenov, P.M. Walker, E. Werner-Malento, O. Wieland and H.J. Wollersheim, *Acta Physica Polonica* **B40** (2009) p879-884.
205. \**Isomerism and Shape Coexistence in  $^{190}\text{W}$ .*  
 G.F. Farrelly, Zs. Podolyák, S.J. Steer, S. Pietri, F.R. Xu, E. Werner-Malento, T. Shizuma, **P.H. Regan**, D. Rudolph, A.B. Garnsworthy, R. Hoischen, M. Górska, J. Gerl, H.J. Wollersheim, T. Kurtukian-Nieto, G. Benzoni, F. Becker, P. Bednarczyk, L. Cáceres, P. Doornenbal, H. Geissel, J. Grebosz, A. Kelic, I. Kojouharov, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, H. Schaffner, S. Tashenov, A. Heinz, M. Pfützner, A. Jungclaus, D.L. Balabanski, C. Brandau, A.M. Bruce, W.N. Bruce, W.N. Catford, I.J. Cullen, Zs. Dombradi, E. Estevez, W. Gelletly, G. Ilie, J. Jolie, G.A. Jones, M. Kmiecik, F.G. Kondev, R. Krücken, S. Lalkovski, H.L. Liu, Z. Liu, A. Maj, S. Myalski, S. Schwertel, P.M. Walker and O. Wieland, *Acta Physica Polonica* **B40** (2009) p885-888.
206. *Angular Momentum Population in Fragmentation Reactions.*  
 A.M. Denis Bacelar, A.M. Bruce, Zs. Podolyák, S. Lalkovski, S. Pietri, N. Al-Dahan,

M. Górska, A. Algora, N. Alkhomashi, J. Benlliure, P. Boutachkov, A. Bracco, E. Calore, E. Casarejos, I.J. Cullen, A.Y. Deo, P. Detistov, Zs. Dombradi, C. Domingo-Pardo, M. Doncel, F. Farinon, G.F. Farrelly, H. Geissel, W. Gelletly, J. Gerl, N. Goel, J. Grebosz, R. Hoischen, I. Kojouharov, N. Kurz, S. Leoni, F. Molina, A.I. Morales, D. Montanari, A. Musumarra, R. Nicolini, D.R. Napoli, C. Nociforo, A. Prochazka, W. Prokopowicz, **P.H. Regan**, B. Rubio, D. Rudolph, S. Verma, S.J. Steer, P. Strmen, T.P.D. Swan, I. Szarka, J.J. Valiente-Dobón, P.M. Walker, H. Weick and H.J. Wollersheim, *Acta Physica Polonica* **B40** (2009) p889-892.

207. *Nuclear Structure Addressed at GSI RISING.*

M. Górska, H. Grawe, L. Caceres, A. Algora, M. Böhmer, P. Boutachkov, K. Eppinger, T. Faestermann, Y. Fujita, A. Gadea, A.B. Garnsworthy, W. Gelletly, J. Gerl, R. Gernhäuser, C. Hinke, A. Jungclaus, I. Kojouharov, R. Krücken, L. Maier, P. Molina, M. Pfützner, S. Pietri, Z. Podolyák, **P.H. Regan**, B. Rubio, D. Rudolph, H.J. Wollersheim, I. Dillman, Th. Kröll, A. Parikh, S. Schwertel, and the RISING collaboration, Proceedings of the Kazimierz Workshop, Poland (2008) *International Journal of Modern Physics* **E18** (2009) p759-766

208. *\*Isomer Decays Studies in Neutron-Rich  $N \approx 126$  Nuclei.*

S.J. Steer, Zs. Podolyák, S. Pietri, M. Górska, G.F. Farrelly, **P.H. Regan**, D. Rudolph, A.B. Garnsworthy, R. Hoischen, J. Gerl, H.J. Wollersheim, H. Grawe, K.H. Maier, F. Becker, P. Bednarczyk, L. Cáceres, P. Doornenbal, H. Geissel, J. Grebosz, A. Kelic, I. Kojouharov, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, H. Schaffner, S. Tashenov, A. Heinz, T. Kurtukian-Nieto, G. Benzoni, M. Pützner, A. Jungclaus, D.L. Balabanski, C. Brandau, A. Brown, A.M. Bruce, W.N. Catford, I.J. Cullen, Zs. Dombradi, M.E. Estevez, W. Gelletly, G. Ilie, J. Jolie, G.A. Jones, M. Kmiecik, F.G. Kondev, R. Krücken, S. Lalkovski, Z. Liu, A. Maj, S. Myalski, S. Schwertel, T. Shizuma, P.m. Walker, E. Werner-Malento and O. Wieland, Proceedings of the International Workshop at Kazimierz. Poland, September 2008, *International Journal of Modern Physics* **E18** (2009) p1002-1007

209. *The Use of MCNP and Gamma Spectrometry in Supporting the Evaluation of NORM in Libyan Oil Pipeline Scale.*

Ahmed S. Habib, D.A. Bradley, **P.H. Regan** and A.L. Shutt, *to be published in the Proceedings of the 11<sup>th</sup> International Symposium on Radiation Physics, University of Melbourne, Australia, 20-25 September 2009, Nuclear Instruments and Methods* **A619** (2010) 245-251

210. *Water equivalence of various materials for clinical proton dosimetry by experiment and Monte Carlo simulation.*

Leena Al-Sualiti, David Shipley, Russell Thomas, Andrzej Kacperek, **Patrick H. Regan**, Hugo Palmans, *Proceedings of the 11<sup>th</sup> International Symposium on Radiation Physics, University of Melbourne, Australia, 20-25 September 2009, Nuclear Instruments and Methods* **A619** (2010) p344-347.

211. *\*A Preliminary Report on the Determination of Natural Radioactivity Levels in the state of Qatar using High-Resolution Gamma-ray Spectrometry.*

- H. Al-Sulaiti, **P.H. Regan**, D.A. Bradley, D. Malain, T. Santawamaitre, A. Habib, M. Matthews, S. Bukhari and M. Al-Dosari, *Proceedings of the 11<sup>th</sup> International Symposium on Radiation Physics, University of Melbourne, Australia, 20-25 September 2009, Nuclear Instruments and Methods* **A619** (2010) p427-431.
212. \**Measurement of NORM in Beach Samples Along the Andaman Coast of Thailand after the 2004 Tsunami.*  
D. Malain, **P.H. Regan**, D.A. Bradley, M. Matthews, T. Santawamaitre and H. Al-Sulaiti, *Proceedings of the 11<sup>th</sup> International Symposium on Radiation Physics, University of Melbourne, Australia, 20-25 September 2009, Nuclear Instruments and Methods* **A619** (2010) p441-445.
213. \**An Evaluation of the Level of Naturally Occuring Radioactibe Materials in Soil Samples Along the Chao Phraya River Basin.*  
T. Santawamaitre, **P.H. Regan**, D.A. Bradley, M. Matthews, D. Malain and H. Al-Sulaiti, *Proceedings of the 11<sup>th</sup> International Symposium on Radiation Physics, University of Melbourne, Australia, 20-25 September 2009, published in Nuclear Instruments and Methods* **A619** (2010) p453-456.
214. \**Determination of the Natural Radioactivity in Qatari Building Materials Using High-Resolution Gamma-ray Spectrometry.*  
Huda Al-Sulaiti, N. Alkhomashi, N. Al-Dahan, M. Al-Dosari, D.A. Bradley, S. Bukhari, M. Matthews, **P.H. Regan**, T. Santawamaitre, *to be published in the Proceedings of the SORMA Conference, University of Michigan, 2010, Nuclear Instruments and Methods in Physics Research*, **A652** (2011) 915-919.
215. \**Study of the Natural Radioactivity in Riverbank Soils Along the Chao Phraya River Basin in Thailand.*  
T. Santawamaitre, D. Malain, H.A. Al-Sulaiti, M. Matthews, D.A. Bradley and **P.H. Regan**, *to be published in the Proceedings of the SORMA Conference, University of Michigan, 2010, Nuclear Instruments and Methods in Physics Research* **A652** (2011) p920-924.
216. \**Measurements of Picosecond Lifetimes in the Transitional Nucleus  $^{100}\text{Pd}$  using the RDDM in Inverse Kinematics.*  
V. Anagnostatou, **P.H. Regan**, M.R. Bunce, D. McCarthy, V. Werner, T. Ahn, R. Casper, R. Chevrier, N. Cooper, A. Heinz, G. Ilie, M.K. Smith, R. Williams, L. Bettermann, D. Radceck, C.W. Beausang, C. Boniwell and B. Pauerstein, *The proceedings of the 2010 Zakopane School on Nuclear Physics, Acta Physica Polonica* **B42** (2011) p807-811
217. \**From RISING to the DESPEC Fast-Timing Project within NUSTAR at FAIR: Sub-nanosecond Nuclear Timing Spectroscopy with  $\text{LaBr}_3$  Scintillators.* **P.H. Regan**, *Proceedings of the 8<sup>th</sup> International Conference on Industrial Radiation and Radioisotope Measurements, 26 June - 1 July, Kansas City, USA, submitted to Applied Radiation and Isotopes*
218. \**Gamma-ray Fast-Timing Coincidence Measurements from the  $^{18}\text{O}+^{18}\text{O}$  Fusion-Evaporation Reaction Using a Mixed  $\text{LaBr}_3$ -HPGe Array.*

T. Alharbi, P.J.R. Mason, **P.H. Regan**, Zs. Podolyák, N. Marginean, M. Nakhostin, M. Bowry, D. Bucurescu, Gh. Cata-Danil, I. Cata-Danil, D. Deleanu, D. Filipescu, T. Gladariu, D. Ghita, R. Marginean, C. Mihai, A. Negret, A. Pascu, T.Sava, L. Stroe, S. suliman, N.V. Zamfir, A.M. Bruce, C. Rodriguez Triguero, P.C. Bender, U. Garg, M.N. Erduran, A. Kusoglul, M. Bostan, P. Detistov, N. Alkhomashi, R. Chakrabarti and S.S. Ghugre, Proceedings of the 8<sup>th</sup> International Conference on Industrial Radiation and Radioisotope Measurements, 26 June - 1 July, Kansas City, USA, submitted to *Applied Radiation and Isotopes*

219. \**Measurement of Electromagnetic Transition Rates in  $^{100,101}\text{Pd}$  Using the Recoil Doppler Shift Technique.*

V. Anagnostatou, **P.H. Regan**, V. Werner, F.R. Xu, G.X. Dong, M.R. Bunce, D. McCarthy, L. Betterman, C. Boniwell, R. Casperson, R. Ghevrier, N. Cooper, A. Heinz, P. Paustein, D. Radeck, M. Smith and E. Williams, Proceedings of the 8<sup>th</sup> International Conference on Industrial Radiation and Radioisotope Measurements, 26 June - 1 July, Kansas City, USA, submitted to *Applied Radiation and Isotopes*

220. \**Determination of the Natural Radioactivity Levels in North West of Dukhan, Qatar Using High-Resolution Gamma-ray Spectrometry.*

Huda Al-Sulaiti, Tabassum Nasir, K.S. Al Mugren, N. Alkhomashi, N. Al-Dahan, M. Al-Dosari, D.A. Bradley, S. Bukhari, M. Matthews, **P.H. Regan**, T. Santawamaitre, D. Malain and A. Habib, Proceedings of the 8<sup>th</sup> International Conference on Industrial Radiation and Radioisotope Measurements, 26 June - 1 July, Kansas City, USA, submitted to *Applied Radiation and Isotopes*

## Selected, Non-Refereed Published Conference Proceedings

1. *\*Highly-Deformed Bands in Sm and Gd Nuclei.*  
R. Wadsworth, **P.H. Regan**, J.R. Hughes, S.M. Mullins, I. Jenkins, M. Metcalf, Y-J, He, P.J. Nolan, D.B. Fossan, E.S. Paul, R. Ma and X. Xu, *Proceedings of the International Conference on Nuclear Structure in the Nineties, Oak Ridge, Tennessee, USA, (1990)* vol. 1 p38
2. *\*High-Spin Study and Lifetime Measurements of Neutron-Rich Co Isotopes.*  
**P.H. Regan**, J.W. Arrison, U.J. Hüttmeier and D.P. Balamuth, *Proceedings of the International Conference on Nuclear Structure at High Angular Momentum, Ottawa, Canada (1992)* AECL/10613 p444-448
3. *\*Probing the Structure of the  $N=Z=31$  Nucleus  ${}^{62}_{31}\text{Ga}$ .*  
S.M. Vincent, **P.H. Regan**, D.D. Warner, W. Gelletly, J. Simpson, R. Bark, D. Blumenthal, M.P. Carpenter, C.N. Davids, D.J. Henderson, R.V.F. Janssens, C.J. Lister, D. Nisius, C.D. O'Leary, C.J. Pearson, T. Saitoh, J. Schwartz, D. Seweryniak and S. Törmänen, *Proceedings of the Conference on Exotic Nuclei and Atomic Masses, Bellaire, Michigan, USA (1998)* eds. B.M. Sherrill, D.J. Morrissey and C.N. Davids, *AIP Conference Proceedings* **455** p450-455
4. *\*High-Spin Fragmentation Spectroscopy.*  
Zs. Podolyák, **P.H. Regan**, M. Pfützner, J. Gerl, M. Hellström, M. Caamaño, M. Mineva, M. Sawicka and Ch. Schlegel, *Proceedings of the Second International Conference on Fission and Properties of Neutron-Rich Nuclei, St. Andrews, Scotland. (1999)* p156-159, eds. J.H. Hamilton, W.R. Phillips and H.K. Carter, World Scientific, London
5. *Microsecond Isomers Beyond  ${}^{68}\text{Ni}$ .*  
R. Grzywacz, J.M. Daugas, L. Achouri, J.C. Angelique, D. Baiborodin, R. Beraud, R. Bentina, C. Bingham, C. Borcea, W.N. Catford, A. Emsallem, G. de France, H. Grawe, K.L. Jones, M. Lewitowicz, R. Lemmon, M.J. Lopez, F. de Oliveira, M. Pfützner, **P.H. Regan**, K. Rykaczewski, M. Sawicka, J.E. Sauvestrem, G.S. Letten, M. Stanoiu, *Proceedings of the Nuclear Structure '98 Conference, Gatlinburg, Tennessee, USA* editor, C. Baktash, *AIP Conference Proceedings* **481** (1999) p257
6. *\*New Spectroscopy of Heavy Neutron-Rich Nuclei: Isomeric Studies Following Relativistic Fragmentation.*  
M. Pfützner, **P.H. Regan**, Zs. Podolyak, J. Gerl, M. Hellström, M. Caamano, P. Mayet, M. Mineva, M. Sawicka and Ch. Schlegel, *Proceedings of the International Conference on Experimental Nuclear Physics in Europe, Sevilla, Spain 1999*, eds. B. Rubio, M. Lozano and W. Gelletly, *AIP Conference Proceedings* **495** p113-116
7. *\*Structure of Neutron-Rich Nuclei Produced in the Projectile Fragmentation of  ${}^{208}\text{Pb}$ .*  
Zs. Podolyák, **P.H. Regan**, M. Caamaño, J. Gerl, P. Mayet, Ch. Schlegel, M. Hellström, M. Mineva, M. Pfützner for the GSI ISOMER Collaboration, *Proceedings of the International*

*Conference on the Structure of the Nucleus at the Dawn of the New Century: Nuclear Structure, Bologna, Italy* (2001) Eds. G.C. Bonsignori, M. Bruno, A. Ventura and D. Vretenar, World Scientific, London, p298-301

8. \**Evidence for a  $K \approx \frac{39}{2}$   $\beta$ -decaying Isomer in  $^{177}\text{Lu}$ .*  
P.M. Walker, S.Al-Garni, **P.H. Regan**, J. Garces Narro, H.M. El-Masri, E. Roeckl, R. Kirchner, M. La Commara, C. Mazzochi, H. Grawe, R. Borcea, J. Döring, S.C. Wooding, K. Schmidt, C.Wheldon, D.M. Cullen and W.D. Schmidt-Ott, *Proceedings of the International Nuclear Physics Conference, INPC 2001, Berkeley*, Edited by E. Norman et al., *AIP Conference Proceedings* **610** (2002) p854-858
9. \**High-Spin States Populated via Projectile Fragmentation in very Neutron-Rich Nuclei around Masses 190-200.*  
P. Mayet, U. Datta Pramanik, J. Gerl, Ch. Schlegel, M. Cammano, Zs. Podolyák, **P.H. Regan**, P.M. Walker, M. Hellström, M. Mineva and M. Pfützner, *Proceedings of the International Nuclear Physics Conference, INPC 2001, Berkeley*, Edited by E. Norman et al., *AIP Conference Proceedings* **610** (2002) p761-765
10. \**In-Beam Thin-Target Fragmentation of  $^{197}\text{Au}$ .*  
**P.H. Regan**, S.D. Langdown, K. Gladnishki, S.M. Mullins, Zs. Podolyák, M. Benatar, E. Gueorguieva, P. Kwinana, J.J. Lawrie, G.K. Mabala, S. Mukherjee, R.T. Newman, C.J. Pearson, J.F. Sharpey-Schafer, R. Smit, S.M. Vincent and A.D. Yamamoto, *The Proceedings of the International Conference on Nuclear Structure: Mapping the Triangle, Jackson Lake Lodge, Grand Teton National Park, Wyoming, USA, 22-25 May 2002*, *AIP Conference Proceedings* **638** (2002) p43-49
11. \**High-Spin States Populated via Projectile Fragmentation in Very Neutron-Rich Nuclei Around Mass 180.*  
P. Mayet, J. Gerl, Ch. Schlegel, M. Hellström, Zs. Podolyák, **P.H. Regan**, M. Caamano, M. Pfin press, *Eur. Phys. J. Proceedings of the International Conference on Nuclear Physics at the Borderlines, Lipari, Italy* (2001), World Scientific, London.
12. \**K-Isomers Near the Proton Drip Line Produced in Fragmentation Reactions*  
Zs. Podolyák, **P.H. Regan**, P.M. Walker, M. Caamaño, P. Mayet, J. Gerl, Ch. Schlegel, M. Hellström, M.N. Mineva, M. Pfützner for the GSI ISOMER collaboration, *Proceedings of the International Conference on Exotic Nuclei at the Proton Drip Line* (ed. by C.M. Petrache, G. Lo Bianco), September 25-28, 2001, Camerino, Italy, p189-198.
13. \**The Highs and the Lows of the  $A=100$  Region: Vibration-to-Rotation Evolution in Mo and Ru Isotopes.*  
**P.H. Regan**, A.D. Yamamoto, C.W. Beausang, N.V. Zamfir, R.F. Casten, Jing-Ye Zhang, A.D. Yamamoto, M.A. Caprio, G. Gürdal, A.A. Hecht, C. Hutter, R. Krücken, S.D. Langdown, D. Meyer and J.J. Ressler, *The Proceedings of the International Conference on Frontiers of Nuclear Structure, Berkeley, California, USA 29 July-2 August 2002*, *AIP Conference Proceedings* **656** (2003) p422-428.

14. *Angular Momentum Population in Projectile Fragmentation.*  
Zs. Podolyák, K.A. Gladnishki, J. Gerl, M. Hellström, Y. Kopatch, S. Mandal, M. Górska, **P.H. Regan** and H.J. Wollersheim, *Proceedings of the International Conference on the Labyrinth of Nuclear Structure Crete*, 13-19 July 2003, *AIP Conference Proceedings* **701** p280-284
15. *\*Studies Around  $A \sim 100$  Using Binary Reactions.*  
**P.H. Regan**, A.D. Yamamoto, C.Y. Wu, A.O. Macchiavelli, D. Cline, J.F. Smith, J.J. Valiente-Dobón, K. Andgren, R.S. Chakrawarthy, M. Cromaz, P. Fallon, S.J. Freeman, W. Gelletly, A. Górgen, A. Hayes, H. Hua, S.D. Langdown, I-Y. Lee, C.J. Pearson, R. Teng and C. Wheldon, *Proceedings of the International Conference on the Labyrinth of Nuclear Structure Crete*, 13-19 July 2003, *AIP Conference Proceedings* **701** p329-333
16. *\*Isomer Spectroscopy of Heavy, Neutron-Rich Nuclei Produced in Relativistic Fragmentation.*  
M. Pfützner, **P.H. Regan**, Zs. Podolyák, P.M. Walker, J. Gerl, M. Hellström, P. Mayet and Ch. Schlegel, *Proceedings of the International Conference on Neutron-Rich Nuclei Sanibel Island, Florida*, (2002), World Scientific
17. *\*Population of  $^{195}\text{Os}$  via Multi-Nucleon Transfer Reactions.*  
J.J. Valiente-Dobón, C. Wheldon, **P.H. Regan**, C.Y. Wu, D. Cline, C. Andreoiu, R. Chapman, P. Fallon, S.J. Freeman, A. Hayes, H. Hua, S.D. Langdown, I.Y. Lee, X. Liang, A.O. Macchiavelli, C.J. Pearson, Zs. Podolyák, G. Sletten, J.F. Smith, C.E. Svensson, R. Teng, D. Ward, D.D. Warner and A.D. Yamamoto, *Proceedings of the International Conference on Nuclear Physics, Large and Small, Microscopic Studies of Collective Phenomena, 19-22 April 2004, Hacienda Cocoyoc, Morelos, Mexico*, *AIP Conference Proceedings* **726** p249-250
18. *\*Structural Evolution in the  $(N, Z, I^\pi)$  Coordinate Frame for  $A \sim 100$ .*  
**P.H. Regan**, C. Wheldon, A.D. Yamamoto, S. Ashley, P. Mumby-Croft, D. Seaborne, C.Y. Wu, A.O. Macchiavelli, D. Cline, J.F. Smith, R.S. Chakrawarthy, M. Cromaz, P. Fallon, S.J. Freeman, W. Gelletly, A. Górgen, A. Hayes, H. Hua, S.D. Langdown, I.Y. Lee, C.J. Pearson, Zs. Podolák, T. Teng, J.J. Valiente-Dobón, *Proceedings of the International Conference on Nuclear Physics, Large and Small, Microscopic Studies of Collective Phenomena, 19-22 April 2004, Hacienda Cocoyoc, Morelos, Mexico*, *AIP Conference Proceedings* **726** p157-162
19. *\*Isomer and In-Beam Spectroscopy of Medium-Spin States in  $^{91,92}\text{Zr}$ .*  
**P.H. Regan**, N.J. Thompson, A.B. Garnsworthy, H.C. Ai, L. Amon, R.B. Cakirli, R.F. Casten, C. Fitzpatrick, S.J. Freeman, G. Gürdhal, A. Heinz, G.A. Jones, E.A. McCutchan, J. Qian, V. Werner, S.J. Williams and R. Winkler, *Proceedings of the 12<sup>th</sup> International Conference on Capture-Gamma Spectroscopy and Related Topics, CGS-12, University of Notre Dame, South Bend, Indiana, USA, 5-9 September 2005* *AIP Conference Proceedings* **819** p35-42
20. *\*Multinucleon Transfer Reactions to Study Single-Particle Evolution in Se Isotopes.*  
**P.H. Regan**, G.A. Jones, Zs. Podolyák, N. Yoshinaga, K. Higashiyama, G. deAngelis,

Y.H. Zhang, A. Gadea, M.Axiotis, D.Bazzacco, R. Broda, D.Bucurescu, E. Farnea, W. Gelletly, M. Ionescu-Bujor, A. Iordachescu, Th. Kröll, S.D. Langdown, S. Lenzi, S. Lunardi, N.Marginean, T. Martinez, N. Medina, R. Menegazzo, D.R. Napoli, B. Quintana, B. Rubio, C. Rusu, R. Schenger, D. Tonev, J.J. Valiente Dobon, W. von Oertzen and C. Ur, *Proceedings of the 12<sup>th</sup> International Conference on Capture-Gamma Spectroscopy and Related Topics, CGS-12, University of Notre Dame, South Bend, Indiana, USA, 5-9 September 2005 AIP Conference Proceedings* **819** p464-474

21. \**Recoil Distance Method Lifetime Measurements in  $^{107}\text{Cd}$  and  $^{103}\text{Pd}$ .*  
K. Andgren, S.F. Ashley, **P.H. Regan**, E.A. McCutchan, N.V. Zamfir, L. Amon, R.B. Cakirli, R.F. Casten, R.M. Clark, G. Gürdhal, K. Keyes, D.A. Meyer, M.N. Erduran, A. Papenbergh, N. Pietralla, C. Plettner, R.V. Ribas, N.J. Thomas, J. Vinson, D.D. Warner, V. Werner and E. Williams, *The Proceedings of the International Conference on Frontiers in Nuclear Structure, Astrophysics and Reactions, FINUSTAR05, Kos, Greece, September 2005 AIP Conference Proceedings* **831** p391-393
22. \**Neutron-Deficient  $N \approx 126$  Nuclei Produced in  $^{238}\text{U}$  Fragmentation: Population of High-Spin states.*  
Zs. Podolyák, J. Gerl, M. Hellström, F. Becker, K.A. Gladnishki, M. Górska, A. Kelić, Y. Kopatch, S. Mandal, **P.H. Regan**, K.H. Schmidt, P.M. Walker, H.J. Wollersheim, A. Banu, G. Benzoni, H. Boardman, E. Casarejos, J. Ekman, H. Geissel, H. Grawe, D. Hohn, I. Kojouharov, J. Leske, R. Lozeva, M.N. Mineva, G. Neyens, R.D. Page, C.J. Pearson, M. Prtillo, D. Rudolph, N. Saito, H. Schaffner, D. Sohler, K. Sümmerer, J.J. Valiente Dobón, C. Wheldon, H. Weick and M. Winkler *The Proceedings of the International Conference on Frontiers in Nuclear Structure, Astrophysics and Reactions, FINUSTAR05 Kos, Greece, September 2005 AIP Conference Proceedings* **831** p114-118
23. \**Nuclear Structure and Reaction Mechanism Studies with Multinucleon Reactions.*  
**P.H. Regan**, G.A. Jones, Zs. Podolyák, G. de Angelis, Y.H. Zhang, A. Gadea, C.A Ur, M. Abdullah, M. Axiotis, D. Bazzacco, R. Broda, D. Bucurescu, E. Farnea, W. Gelletly, M. Ionescu-Bujor, A. Iorachescu, Th. Kroll, S.D. Langdown, S. Lenzi, S. Lunardi, N. Marginean, T. Martinez, N. Medina, R. Menegazzo, D.R. Napoli, B. Quintana, B. Rubio, C. Rusu, R. Schwenger, D. Tonev, J.J. Valiente-Dobón, W. von Oertzen, G. Wollel, *Proceedings of FUSION06, The International Conference on Reaction Mechanisms and Nuclear Structure at the Coulomb Barrier, San Servolo, Venezia Italy, 19-23 March 2006, AIP Conference Proceedings* **853** 271.
24. \**Microsecond and Nanosecond Isomers Populated in Fission Reactions.*  
G.A. Jones, P.M. Walker, Zs. Podolyák, **P.H. Regan**, S.J. Williams, M.P. Carpenter, J.J. Carroll, R.S. Chakrawarthy, P. Chowdhury, I.J. Cullen, G.D. Dracoulis, A.B. Garnsworthy, G. Hackman, R.V.F. Janssens, T.L. Khoo, F.G. Kondev, G.J. Lane, Z. Liu, D. Seweryniak, N.J. Thompson and S. Zhu, *Proceedings of FUSION06, The International Conference on Reaction Mechanisms and Nuclear Structure at the Coulomb Barrier, San Servolo, Venezia Italy, 19-23 March 2006, AIP Conference Proceedings* **853** 342.

25. *In-Beam  $\gamma$  Spectroscopy Using DIC with a Radioactive Ne Beam.*  
 G. Benzoni, F. Azaiez, S. Leoni, S. Battacharya, R. Borcea, A. Bracco, L. Corradi, D. Curien, G. de France, Zs. Dombradi, E. Fioretto, S. Francho, S. Greivy, F. Ibrahim, S. Iulian, G. Mukherjee, A. Navin, G. Pollarolo, N. Redon, **P.H. Regan**, M. Rejmund, C. Schmitt, G. Sletten, D. Sohler, M.Stanoiu, S. Szilner and D. Verrey, *Proceedings of FUSION06, The International Conference on Reaction Mechanisms and Nuclear Structure at the Coulomb Barrier, San Servolo, Venezia Italy, 19-23 March 2006, AIP Conference Proceedings* **853** p49.
26. *RISING: Gamma-ray Spectroscopy with Radioactive Beams at GSI.*  
 P. Doornenbal, A. Burger, D. Rudolph, H. Grawe, H. Hubel, **P.H. Regan**, P. Reiter, et al., *Proceedings of the Tours Symposium on Nuclear Physics VI, Tours, France Venezia Italy, 5-8 September 2006, AIP Conference Proceedings* **891** p99-107.
27. *\*First Results from the Stopped RISING Campaign at GSI: The Mapping of Isomeric Decays in Highly Exotic Nuclei.*  
**P.H. Regan**, A.B. Garnsworthy, S.J. Steer, S. Pietri, Zs. Podolyák, D. Rudolph, M. Górska, L. Caceres, E. Werner-Malento, J. Gerl, H.J. Wollersheim, F. Becker, P. Bednarczyk, P.D. Doornenbal, H. Geissel, H. Grawe, J. Grebosz, R. Hoischen, A. Kelic, I. Kojouharov, N. Kurz, F. Montes, W. Prokopowicz, T. Saito, H. Schaffner, S. Tashenov, A. Heinz, M. Pfützner, T. Kurtukian-Nieto, G. Benzoni, M. Hellström, A. Jungclaus, L.-L. Andersson, L. Atanasova, D.L. Balabanski, M.A. Bentley, B. Blank, A. Blazhev, C. Brandau, J. Brown, A.M. Bruce, F. Camera, W.N. Catford, I.J. Cullen, Zs. Dombradi, E. Estevez, C. Fahlander, W. Gelletly, G. Ilie, E.K. Johansson, J. Jolie, G.A. Jones, M. Kmiecik, F.G. Kondev, S. Lalkovski, Z. Liu, A. Maj, S. Myalski, S. Schwertel, T. Shizuma, A.J. Simons, P.M. Walker and O. Wieland. *Proceedings of BPU6, The Balkan Physical Union Conference, Istanbul, August 2006, AIP Conference Proceedings* **899** (2007) p19-22.
28. *Isospin Symmetry and Proton Decay: Identification of the  $10^+$  Isomer in  $^{54}\text{Ni}$ .*  
 C.Fahlander, R.Hoischen, D.Rudolph, M.Hellström, S.Pietri, Zs. Podolyák, **P.H. Regan**, A.B.Garnsworthy, S.J.Steer, F.Becker, P.Bednarczyk, L.Caceres, P.Doornenbal, J.Gerl, M..Górska, J.Grebosz, I.Kojouharou, N.Kurz, W.Prokopowicz, H.Schaffner, H.J.Wollersheim, L.-L.Andersson, L.Atanasoua, D.L.Balabanski, M.A.Bentley, A.Blazheu, C.Brandau, J.Brown, E.K.Johansson and A.Jungclaus, *Changing Facets of Nuclear Structure, Proceedings of the 9th International Spring Seminar on Nuclear Physics, Vico Equense, Italy 20 - 24 May 2007* edited by Aldo Covello (Universit di Napoli Federico II, Italy) ISBN 978-981-277-902-1, published June 2008.
29. *\*New Insights into the Structure of Exotic Nuclei Using the RISING Active Stopper.*  
**P.H.Regan** , N.Alkhomashi, N.Al-Dahan, Zs.Podolyák, E.B.Suckling, P.D.Stevenson, S.B.Pietri, S.J.Steer, A.B.Garnsworthy, W.Gelletly, J.Benlliure, A.I.Morales, J.Gerl, M.Górska, H.J.Wollersheim, R.Kumar, J.Grebosz, A.Algora, G.Benzoni, P.Boutachkov, A.M.Bruce, E.Casajeros, I.J.Cullen, A.M.Denis Bacelar, M.E.Estevez, G.Farrelly, Y.Fujita, R.Hoischen, S.Lalkovski, Z.Liu, I.Kojouharov, N.Kurz, C.Mihai, F.Molina, D.Mücher,

B.Rubio, H.Schaffner, S.Tashenov, A.Tamii, J.J.Valiente Dobón, P.M.Walker and P.J.Woods, *Proceedings of the 13<sup>th</sup> International Conference on Capture-Gamma Spectroscopy and Related Topics, CGS-13, University of Köln, Germany 25-29 August 2008 AIP Conference Proceedings* **1090** (2009) p122-129.

30. \**Structure of  $N \geq 126$  Nuclei Produced in Fragmentation of  $^{238}\text{U}$ .*

N.Al-Dahan, Zs. Podolyák, **P.H. Regan**, S.J.Steer, N.Alkhomashi, A.M.Denis Bacelar, M.Górska, S.B.Pietri, W.Gelletly, P.M.Walker, G.Farrelly, A.I.Morales, A.Y.Deo, I.J.Cullen, J.Gerl, C.Domingo-Pardo, S.Verma, T.Swan, H.J.Wollersheim, A.M.Bruce, S.Lalkovski, J.Benlliure, A.Algora, P.Boutachkov, A.Bracco, E.Calore, E.Casarejos, P.Detistov, Z.Dombrádi, M.Doncel, F.Farion, H.Geissel, N.Goel, J.Grebosz, R.Hoischen, I.Kojouharov, S.Leoni, F.Molina, D.Montanari, A.Musumarra, R.Nicolini, D.R.Napoli, C.Nociforo, B.Rubio, A.Prochazka, D.Rudolph, P.Strmen, I. Szarka, J.J.Valiente-Dobon and H. Weick *Proceedings of the 13<sup>th</sup> International Conference on Capture-Gamma Spectroscopy and Related Topics, CGS-13, University of Köln, Germany 25-29 August 2008 AIP Conference Proceedings* **1090** (2009) p145-148.

31. \**Shell Model Study of Neutron-Rich Se and Ge Isotopes.*

K.Higashiyama, N.Yoshinaga, and **P.H. Regan**, *Proceedings of the 13<sup>th</sup> International Conference on Capture-Gamma Spectroscopy and Related Topics, CGS-13, University of Köln, Germany 25-29 August 2008 AIP Conference Proceedings* **1090** (2009) p599-600.

32. \**Shell Model Study of Neutron-Rich Se and Ge Isotopes.*

K.Higashiyama, N.Yoshinaga, and **P.H. Regan**, *Proceedings of the 6<sup>th</sup> Japan-Italy on Heavy-Ion Physics, Tokai, Japan 11-15 November 2008 AIP Conference Proceedings* **1120** (2009) p255-259.

## General Audience Articles on Physics and Education.

1. *Fusion Finds the Midas Touch.*  
**P.H. Regan** and M. Joyce, *The Daily Telegraph* 16<sup>th</sup> April 1997, p20
2. *From the Alchemist's Chair.*  
**P.H. Regan** and M. Joyce *Third Millennium* vol 2. Issue 1, p12 May 1997
3. *How to See Inside an Atom.*  
M. Joyce and **P.H. Regan**, *Daily Telegraph* 8<sup>th</sup> April 1998, p18
4. *Structural Problems at the Proton Drip Line Probed via Fragmentation Reactions.*  
**P.H. Regan**, B. Blank and C. Miehé, *Nouvelles du GANIL*, **63** December 1998, p8-11
5. *The Holy Grail of Physics.*  
**P.H. Regan** *Daily Telegraph* 8<sup>th</sup> September 1999, p22
6. *Exploring Nuclear Frontiers.*  
**P.H. Regan** and B. Blank, *Physics World*, **13**(1) (2000), p29-34
7. *Exploring Nuclear Frontiers.*  
**P.H. Regan** and B. Blank, *Parity* (Japanese translation) **15**(12) (2000) p4
8. *Lasers that Captain Kirk Foresaw.*  
**P.H. Regan**, *Daily Telegraph* 11<sup>th</sup> April 2000, p27
9. *Magic and Doubly Magic Nuclei.*  
B. Blank and **P.H. Regan**, *Nuclear Physics News* **11** No.1 (2001) p15-22
10. *Nuclear Astrophysics: A New Era*  
M. Wiescher, **P.H. Regan** and A. Aprahamian, *Physics World*, **15**, No.2 (2002) p33-38
11. *MPhys Courses with an Integral Research Year*  
A.S. Clough and **P.H. Regan**, *European Journal of Physics* **24** (2003) p321-328
12. *Post-graduate and Bespoke Training in Radiation Physics - the University of Surrey Model.*  
**P.H. Regan**, *Nuclear Energy Review, Education, Training and Research*, (2007) p44-45.
13. *STFC Cuts: Bad News for UK plc.*  
Paddy Regan, comment, *Research Fortnight Magazine*, 20 January 2010, p17.
14. *Analysis by Professor Paddy Regan.*  
Professor Paddy Regan, Analysis of the radiation levels in Japan, *Daily Express*, 30 March 2011, p5.
15. *View from the top.*  
Paddy Regan, article for *Research Fortnight Magazine*, 30 March 2011, p25.

16. *Radiation levels are not as frightening as the sound.*  
Comment by Paddy Regan, The Independent, 31 March 2011, p21
17. *The Buring Question: Can Nuclear Power Ever Be 100% Safe ?*  
Op-Ed Piece in BBC Focus Magazine, submitted 26 August 2011.
18. *A Taste of the Exotic.*  
Feature Article, Physics World, November 2011, pages 37-41.

## Invited Post-Graduate Lectures Series, Schools, Public Colloquia/Lectures and Related Outreach Activities.

1. *In-Beam Gamma-Ray Spectroscopy for Nuclear Structure Studies.*  
Ten lecture post-graduate course at the 7<sup>th</sup> Jyväskylä Summer School, Finland, 12-20 August 1997.
2. *Highlights of Experimental Nuclear Physics.*  
Invited lecture, the Merton Scientific Society, London, 11<sup>th</sup> May 1998
3. *Nuclear Structure via Fragmentation Reactions, a Smashing Time Along the  $N=Z$  Line.*  
Invited Nuclear Physics Forum Lecture, Lawrence Berkeley National Laboratory, California, USA, 11 June 1998
4. *Gamma-Ray Spectroscopy in Nuclear Physics.*  
Four lecture course at the EPSRC Postgraduate Summer School on Nuclear Physics, Van Mildert College, University of Durham, UK, 29 August-12 September 1999.
5. *Exploring the Nuclear Frontiers.*  
Invited lecture, Institute of Physics, South Central Branch Meeting, 24<sup>th</sup> February 1999, University of Surrey.
6. *Spectroscopy of Proton Rich Nuclei.*  
Five lecture course at the School on Selected Topics in Nuclear and Atomic Physics, Fiera di Primiero, Italy, 1-5 October 1999.
7. *Exotic Nuclei and Super Heavy Elements.*  
Invited lecture, Institute of Physics, London and South Eastern District, University of Hertfordshire, UK, 19th October 2000.
8. *Isomer Studies as Probes of Nuclear Structure in Heavy, Neutron-Rich Nuclei.*  
Invited lecture, XIV International School on Nuclear Physics, Neutron Physics and Nuclear Energy, Varna, Bulgaria, 25-30 September 2001.
9. *Nuclei at the Extremes.*  
Invited colloquium, UK Atomic Energy Authority, Didcot, England 28 November 2001.
10. *High-Spin Nuclei.*  
Six hours lecture course at the XI Jorge André Swieca Summer School on Nuclear Physics, Instituto de Física, University of Sao Paulo, Brazil. 10-21 February 2003.
11. *Making Gold: Nuclear Alchemy.*  
Invited lecture, Guildford Institute, Surrey, 30 September 2004.
12. *The University of Surrey MSc in Radiation and Environmental Protection.*  
Invited Colloquium, International Atomic Energy Agency, Vienna, 4<sup>th</sup> February 2005.

13. *Masters Level Course in Physics at the University of Surrey.*  
Invited presentation to the Nuclear Physics Board of the European Physical Society, University of Surrey, Guildford 9<sup>th</sup> April 2005.
14. *Postgraduate Radiation Protection Training and Needs: The University of Surrey Model.*  
Invited talk, 3rd International Conference on Education and Training in Radiological Protection, Brussels, Belgium, 23-25 November, 2005.
15. *Surrey Physics Teaching: A Unique Experience.*  
Invited lecture, *Surrey Physics 100: A Celebration of 100 Years of Physics at the University of Surrey and Battersea Polytechnic* University of Surrey, Guildford, UK 22-23 June 2006
16. *Poisonous Polonium-210.*  
Invited talk and debate panelist (1 of 4), Dana Centre, The Science Museum, London, 1<sup>st</sup> February 2007.
17. <sup>210</sup>Po: *An Interesting Nucleus.*  
The Feynman Lecture, Charterhouse School, Godalming, Surrey, 3<sup>rd</sup> May 2007.
18. *'Ask the Scientists'*  
Panel member (one of four) in open session on 'Introduction to the News Media Day' training programme, organised by the Science Media Centre, 8<sup>th</sup> May 2007.
19. *Poisons and Terminating the Periodic Table: The Story of Polonium-210.*  
Invited talk at 1 week Institute of Physics Training Course for Secondary School Teachers taking physics as a 2nd subject, Charterhouse School, Godalming, Surrey, 12<sup>th</sup> July 2007.
20. *Germanium-Based Gamma-ray Spectroscopy for Imaging (the Atomic Nucleus).*  
Invited Seminar, Medical Physics Department, Royal Surrey County Hospital, Guildford, Surrey, 19<sup>th</sup> September 2007.
21. *Making Gold: Nuclear Alchemy.*  
Invited seminar, Farnham Geological Society, Farnham, Surrey, 14<sup>th</sup> December 2007.
22. *British Council Sponsored Debate on Nuclear Power.*  
Panel Chair Member (of 5 person panel), in public debate on nuclear power, sponsored by the British Council, Baku, Azaerbaijan, 23<sup>rd</sup> January 2008.
23. *The Science Behind Poisoness Polonium.*  
Invited speaker, Café Scientifique Public Lecture, Le Café Parisien, Portsmouth, 4<sup>th</sup> March 2008.
24. *Polonium-210 and its Relevance to Physics.*  
Guest Speaker, Institute of Physics Open Evening, Institute of Physics, 76 Portland Place, London, 10<sup>th</sup> June 2008.
25. *Polonium-210: An Interesting Nucleus.*  
Invited talk at 1 week Institute of Physics Training Course for Secondary School Teachers taking physics as a 2nd subject, Charterhouse School, Godalming, Surrey, 9<sup>th</sup> July 2008.

26. *The Physics of Polonium-210.*  
Invited public lecture, British Association Festival of Science, 'Fixing People with Physics', University of Liverpool, UK 7<sup>th</sup> September 2008.
27. *The Physics of Polonium-210.*  
Invited public lecture, Launch of the Surrey Graduate School, University of Surrey, Weds. 7th October 2008.
28. *The Physics of Polonium-210.*  
Invited public lecture, London and South East Branch of the Institute of Physics, Institute of Physics, 76 Portland Place, London, 15<sup>th</sup> October 2008.
29. *Polonium-210 and its Relevance to Physics.*  
Invited public lecture, Institute of Physics, University of Surrey, Guildford, 21<sup>st</sup> January 2009.
30. *Polonium-210: An Interesting Nucleus.*  
Invited public lecture, Institute of Physics, University of Kent, Canterbury, 27<sup>th</sup> January 2009.
31. *The Science of Poisoness Polonium-210.*  
Invited Seminar, Joint Institute for Nuclear Astrophysics, University of Notre Dame, South Bend, Indiana, USA, 11 February 2009.
32. *The Spectroscopy of the Most Exotic Nuclei: Where Nuclear Structure and Astrophysics Meet.*  
Invited Department Colloquium, Department of Physics, University of Notre Dame, South Bend, Indiana, USA, 11 February 2009.
33. *Polonium-210: An Interesting Nucleus.*  
Invited lecture, Radley School Science Club, Radley School, Oxfordshire, 9 March 2009.
34. *What Does Academia Want from the Nuclear Industry.*  
Invited panel member, Nuclear World Class Skills Conference, Manchester Centre, Manchester 12 March 2009.
35. *Top Tips for Working with the Media.*  
Invited talk, Science Media Centre Introduction to the News Media event, Cardiff University, Cardiff, 31 March 2009.
36. *The Physics of Polonium-210.*  
Invited Departmental Colloquium, Florida State University, Tallahassee, Florida, USA, 10<sup>th</sup> April 2009.
37. *Nuclear Physics and Society, a Four Day Short Course on Nuclear Physics and Public Policy.*  
Invited Speaker, 5 one hour lectures during Course, held at the Gottwald Science Center, University of Richmond, Virginia, USA, 13-16 April 2009.

38. *Poisoness Polonium-210.*  
Invited Speaker, 3C Womens Institute Scientific Society, Shalford New Village Hall, Shalford, Surrey, 27 April 2009.
39. *Polonium-210: An Interesting Nucleus.*  
Invited speaker, Science Club Lecture, Uppingham School, Uppingham, Rutland, 29 April 2009.
40. *Science in the Media.*  
Invited panel member (one of three), Standing Up For Science Media Workshop, organised by Sense About Science, Institute of Physics, London, 8 May 2009
41. *Polonium-210: An Interesting Nucleus.*  
Invited speaker, Farnham Geological Society, Farnham, Surrey, 8 May 2009.
42. *(Some) Current Frontiers in Nuclear Physics Research: Rutherford Celebration.*  
Invited speaker and Panel Member (one of three) The Times Cheltenham Science Festival, 3-7 June 2009.
43. *Cosmic Alchemy: How to Make Gold.*  
Invited talk at 1 week Institute of Physics Training Course for Secondary School Teachers Taking Physics as a 2nd subject, Charterhouse School, Godalming, Surrey, 9<sup>th</sup> July 2009.
44. *Frontiers of Nuclear Physics Research.*  
Invited talk (one of four) at 100 Years of Nuclear Physics Event, The British Science Festival, University of Surrey, Guildford, UK September 7<sup>th</sup> September 2009.
45. *(Some) Current Frontiers of Nuclear Physics Research.*  
The Feynman Lecture, Charterhouse School, Godalming, Surrey, 8<sup>th</sup> October 2009.
46. *The Secret History of Polonium-210.*  
Invited Lecture for the '59 Group - Heads of Science for the Independent School's Sector', Charterhouse School, Godalming, Surrey, 10<sup>th</sup> October 2009
47. *Isomer Spectroscopy in Near-Spherical Nuclei.*  
invited lecture plus tutorial session, The School cum Workshop on Yrast and Near Yrast Spectroscopy, IIT Roorkee, India, 26-30 October 2009.
48. *Top Tips for Working with the Media.*  
Invited talk, Science Media Centre Introduction to the News Media event, The Royal Institution, London, 4 November 2009.
49. *Polonium-210: Its Use and Abuse.*  
Invited lecture, Physics Society, King's College School, Wimbledon Common, London, 10 November 2009.
50. *Polonium-210: An Interesting Nucleus.*  
Invited lecture, sixth form science club, Hampton School, Hampton, Middlesex, 17 November 2009.

51. *Cosmic Alchemy: How are we Made?*  
Invited Lecture, 2009 Christmas Science Lecture Series, Gulbenkian Theatre, University of Kent, Canterbury, 25 November 2009.
52. *(Some) Current Frontiers in Nuclear Physics Research.*  
Invited lecture SEPNET Physics Teacher's Meeting, 26 January 2010.
53. *Polonium-210 An Interesting Nucleus.*  
Invited lecture, Havant Science Group, Portsmouth, UK, 22 February 2010.
54. *2001-2006-2009: The Stopped RISING Years.*  
Invited Nuclear Seminar, Institute for Structure and Nuclear Astrophysics, University of Notre Dame, South Bend, Indiana, USA, 29 March 2010.
55. *The Physics Behind Polonium-210.*  
Invited colloquium, Culham Centre for Fusion Energy, Culham Science Centre, Abingdon, UK 28 April 2010.
56. *Nuclear Astrophysics: How the Elements are 'Cooked'.*  
Invited lecture, SAGAS Summer Meeting, hosted by the Guildford Astronomical Society, Surrey Satellite Technology Ltd, Guildford, UK 10 July 2010.
57. *Cosmic Alchemy: How Do You Make Gold.*  
Invited lecture, Trainee Physics Teachers Course, Charterhouse School, Godalming, UK, 22 July 2010.
58. *Science in the Media.*  
Invited lecture, South Hampstead Hill School, London UK, 15 March 2011.
59. *Nuclear Physics: Reactors and The Structure of Matter.*  
Invited lecture, Therfield School, Leatherhead, UK, 16 March 2011.
60. *What's the NORM?*  
Invited lectures, Physics Division, Argonne National Laboratory, Argonne, USA, 21 May 2011
61. *Science in the Media.*  
Standing up for Science, Sense About Science Media Workshop, 27 May 2011, Institute of Physics, London, panel member (1 of 3)
62. *Fast-Timing with LaBr<sub>3</sub>:Ce Detectors and the Halflife of the  $I^\pi = 4^-$  Intruder State in <sup>34</sup>P.*  
Invited colloquium, Triangle Universities Meson Facility (TRIUMF) Laboratory, Vancouver, Canada 14<sup>th</sup> October 2011.
63. *High(ish)-Spin Nuclear Structure Physics.*  
3 x 1 hour Invited Post-graduate lectures in nuclear physics, Advances in Nuclear Physics (ANUP) Graduate School, International Centre Goa, India, 9-18 November 2011.

64. *Top Tips for Scientist Dealing with the Media.*  
Invited lecture, Science Media Centre Workshop on Scientists Working with the Media, The Wellcome Collection, London 18 November 2011.
65. *Lectures on Nuclear Structure Physics.*  
6 hours Invited post-graduate lectures as the Main Guest Lecturer, Nuclear Structure Week, Technical University Darmstadt, Germany, 24-25 November 2011.

### Selected Conference and Workshop Oral Presentations.

1. *Spectroscopy of  $^{132,133}\text{Sm}$ .*  
Selected talk, Institute of Physics Conference on Nuclear and Particle Physics, Harwell Laboratory, UK, 5-7 April 1989.
2. *High Spin Spectroscopy of the Highly Neutron Deficient Nucleus,  $^{133}\text{Pm}$ .*  
Selected talk, Spring Meeting of the Nuclear Physics Sections, Strasbourg, France, 26-30 March 1990.
3. *Lifetime Measurements of the  $\nu_{1/2}^{-}$  Intruder Bands in  $^{135,7}\text{Sm}$ .*  
Selected talk, Institute of Physics Conference on Nuclear and Particle Physics, University of Liverpool, UK, 9-11 April 1991.
4. *In-beam  $\gamma$ -ray Spectroscopy of  $^{61,63}\text{Co}$ .*  
Selected talk, Spring Meeting of the American Physical Society, Washington DC, USA, 20-24 April 1992.
5. *First Observation of a  $K^{\pi}=8^{-}$  Band for  $N=74$ .*  
Selected talk, 15<sup>th</sup> AINSE Nuclear and Particle Physics Conference Brisbane, Australia, July 4-8 1994.
6. *High Spin Studies around  $^{110}\text{Pd}$ : Something for Everyone?*  
Selected talk, Research Opportunities with Secondary Beams at ATLAS, Argonne National Laboratory, USA, 13-14 January 1995.
7. *Deformation Below the  $Z=50$  Closed Shell:  $g$ -Factor Measurement of the Yrast  $10^{+}$  State in  $^{110}\text{Cd}$ .*  
Selected talk, Institute of Physics Conference on Nuclear and Particle Physics, Telford, UK, 27-29 March 1995.
8. *Investigation of Nuclear Shapes for Neutron Rich Nuclei with  $A\sim 110$  Using Deep Inelastic Reactions.*  
Selected talk, Midsummer Workshop on Nuclear Physics, Jyväskylä, Finland 26-29 June 1996.

9. *Experiments in N=Z Nuclei.*  
Invited talk, Trends in Nuclear Physics, XXXI Zakopane School of Physics, Zakopane, Poland, 3-11 September 1996.
10. *Isomeric Studies at GANIL.*  
Invited talk, EPSRC Nuclear Physics Study Weekend, Birmingham, England, 26-27 October 1996.
11. *Experiments Using Conversion Electrons from Isomeric States.*  
Invited talk, Workshop on Spectroscopy of Conversion Electrons after Nuclear Reactions Induced by Stable and Radioactive Beams, Saclay Paris, France, 24-25 March 1997.
12. *Isomers from Fragmentation.*  
Invited talk, Institute of Physics Meeting on 'Nuclear Isomers at the Limits' University of Surrey, 11 February 1998.
13. *Experimental Investigation of Isospin Symmetry at the N=Z Line.*  
Invited talk, International Conference on Nuclear Structure at the Extremes, Lewes, England, 17-19 June 1998.
14. *K-Isomers Across the Nuclear Chart using GREAT.*  
Invited talk, International Workshop on The Study of Nuclei Far From Stability Using Tagging Techniques. Liverpool, 21-22 February 1999.
15. *Large Deformation, Shape Coexistence and Isospin Symmetry Around the A=80 N=Z Line.*  
Invited talk, XII Colloque GANIL, Seignosse, France, 17-21 May 1999.
16. *Applications of CdZnTe Detectors for Nuclear Spectroscopy and Fusion Channel Selection.*  
Invited talk, International Workshop on "Nuclear Structure Physics Near the Coulomb Barrier: Into the 21<sup>st</sup> Century", Yale University, USA, 10-12 June 1999.
17. *Deep Inelastic Versus Projectile Fragmentation: The New Spectroscopy of Heavy Neutron Rich Systems.*  
Invited talk, Gordon Research Conference on Nuclear Chemistry, Colby-Sawyer College, New Hampshire, USA, 13-18 June 1999.
18. *New Tools for Exotic Discrete Line Gamma-ray Spectroscopy.*  
Invited talk, Symposium on New Nuclear Science with New Tools for The Next Millenium, American Chemical Society Meeting, San Francisco, USA, 26-30 March 2000.
19. *Nuclear Structure of Heavy Neutron Rich Systems: Fragmentation Spectroscopy of a 1 GeV <sup>208</sup>Pb Beam.*  
Selected talk, Nuclear Structure 2000 Conference, Michigan State University, USA, 14-19 August 2000.
20. *The GSI Fragmentation Gamma-ray Spectroscopy Campaign.*  
Invited talk, GRETA Workshop, Michigan State University, USA, 16 August 2000.

21. *Tagging Results and Prospects with Relativistic Projectile Fragmentation.*  
Invited talk, EXOTAG Working group meeting on New Developments in Particle Identification Techniques, CERN, Geneva, Switzerland, 28-30 September 2000.
22. *New Physics Possibilities in Neutron-Rich Transitional and Rare-Earth Nuclei Using Binary Collisions.*  
Invited talk, Workshop on Physics with Euroball Detectors at GSI, GSI, Darmstadt, Germany, 23-24 Nov. 2000.
23. *Experimental Challenges for Isomer Studies with EURISOL.*  
Invited talk, EURISOL Ground State Properties and Fundamental Interactions Subgroup Workshop, Leuven, Belgium, 26 Jan 2001
24. *Blinding Flashes! Digital Spectroscopy Needs in Intermediate and Relativistic Energy Isomer Spectroscopy.*  
Invited talk, Institute of Physics Meeting on 'Nuclear Spectroscopy in the Digital Age', University of Liverpool, 31 January 2001.
25. *Summary of Possible Stopped Beam Physics with RISING.*  
Invited talk, Workshop on Physics with RISING at GSI using Slow Beams, INFN Legnaro, Italy, 2-3 April 2001
26. *Exotic Isomer Spectroscopy.*  
Invited talk, North West Europe Nuclear Physics Conference, Bergen, Norway, 17-20 April 2001.
27. *New High Spin Physics Opportunities in Stable and Neutron-Rich Nuclei Using Binary Collisions.*  
Invited talk, International Workshop on Nuclear Structure Physics Near the Coulomb Barrier: Into the 21<sup>st</sup> Century, Yale University, USA, 14-16 June 2001.
28. *New Isomers from Fast Fragmentation Reactions.*  
Invited talk, Gordon Conference on Nuclear Chemistry, Colby-Sawyer College, New Hampshire, USA, 17-22 June 2001.
29. *Digital Gamma-Ray Spectroscopy in Fragmentation Reactions.*  
Invited talk, TMR User Meeting on Gamma-ray Tracking Detectors, University of Liverpool, 12-14 September 2001.
30. *Isomers Beyond  $Z=82$  and  $N=126$ .*  
Invited talk, Workshop on Shape Mixing and Modifications in the Nuclear Mean Field with Applications to the Pb Region, University of Gent, Belgium, 10-11 December 2001
31. *From  $^{208}\text{Pb}$  to the  $^{170}\text{Dy}$  Double-Mid Shell.*  
Selected talk, International Conference on Nuclear Structure, Jackson Lake Lodge, Grand Teton National Park, Wyoming, USA, 22-25 May 2002.

32. *The Highs and Lows of the  $A \sim 100$  Region.*  
Selected talk at, The International Conference on the Frontiers of Nuclear Structure, Berkeley, California, 29 July-2 August 2002.
33. *From Vibrations to Rotations as a Function of Spin.*  
Invited talk, Nuclear Structure at the Limits of Stability Workshop on Nuclear Structure Theory, University of Surrey, UK, 9-11 January 2003.
34. *Vibrational-Rotational Evolution Along the Yrast Line.*  
Invited talk, Minisymposium on Emergent Phenomena in Nuclei, American Physical Society Meeting, Philadelphia, USA, 5-9 April 2003
35. *E-GOS Plots: A Simple Signature of Yrast Collective Nuclear Structure.*  
Invited talk, Workshop on Nuclear Structure Physics Near the Coulomb Barrier: Into the 21<sup>st</sup> Century. Yale University, New Haven, Connecticut, USA, 12-14 June 2003
36. *Undergraduate Courses with Intergral Research Year.*  
Selected talk, Conference on Sharing Excellence, Improving Student Learning, University of Surrey, 10 June 2003.
37. *New Physics Questions in Heavy, Neutron-Rich Nuclei.*  
Contributed talk, meeting on the Future of UK Nuclear Physics, Daresbury Laboratory, UK, 23-24 June 2003.
38. *In-Beam and Isomer-Gated Spectroscopy of Neutron-Rich Nuclei from  $A=100$  to 200 Using Deep-Inelastic Reactions.*  
Selected talk, International Conference on the Labyrinth in Nuclear Structure, Crete, Greece, 13-19 July 2003.
39. *'The Long and the Short of It': Some Fundamentals about Nuclear Isomers.*  
Invited talk, Energy Storage and Other Opportunities with Nuclear Isomers, Idaho State University, Pocatello Idaho, USA, 14-15 August 2003
40. *The Potential for Deep-Inelastic Spectroscopy with RIBS.*  
Invited talk, HRIBF Decay Spectroscopy Workshop, Oak Ridge National Laboratory, Tennessee, USA, 18-19 August 2003
41. *Production of Exotic Nuclear Isomers in Nuclear Fragmentation and Deep-Inelastic Collisions.*  
Invited talk, 12th International Laser Physics Workshop, Hamburg, Germany, 25-29 August 2003
42. *Collective and Symmetry Studies around  $^{170}\text{Dy}$  using CLARA+PRISMA.*  
Contributed talk on the Workshop on the Future of Gamma Spectroscopy at LNL:GaSp and CLARA Arrays, Legnaro, Italy, 3-5th March 2004.
43. *Structural Evolution of Neutron-Rich Nuclei Using Thin-Target Deep-Inelastic Reactions.*  
Contributed talk, AGATA Workshop, Orsay, Paris, France, 22-24th March 2004.

44. *The Surrey Experimental Nuclear Physics Programme.*  
Invited talk, Research Symposium between University of Surrey and HMS Sultan, HMS Sultan, Gosport, 31 March 2004
45. *Summary of the Stopped Beam Campaign Workshop.*  
Invited talk, Workshop for the Stopped RISING Detector, GSI Darmstadt, Germany, 16 April 2004.
46. *Evolution of Nuclear Structure in the (N,Z,I) Co-ordinate Frame around  $A \sim 100$ .*  
Invited talk, International Conference on Nuclear Physics, Large and Small, Hacienda Co-coyoc, Morelos, Mexico, 19-22 April 2004.
47. *Planned RISING Experiments with Stopped Beams.*  
Invited talk, International Symposium on Atomic Nuclei at Extreme Values of Temperature, Spin and Isospin", Zakopane, Poland, 31 August - 5 September 2004.
48. *Recent Nuclear Structure and Reaction Dynamics Studies Using Multinucleon Transfer Reactions.*  
Invited talk, Institute of Physics Half-Day Meeting on 'Neutron-Rich Nuclei', University of Paisley, Scotland, 6 October 2004.
49. *The RISING Stopped Beam Campaign.*  
Invited talk, GSI-NUSTAR Meeting, GSI Darmstadt, Germany 9 February 2005.
50.  *$A \sim 100$   $h_{\frac{11}{2}}$  Bands, Isomers and  $g$ -Factors.*  
Invited talk, Surrey University Isomer workshop 23-24 May 2005.
51. *In-Beam Radioactive Beam Studies*  
Invited talk, Nuclear Physics Community Meeting: Physics Directions and Strategic Planning, Coseners House, Abingdon, UK 25-26 May 2005.
52. *Picosecond Lifetime Measurements in 'Vibrational' Cd and Pd Nuclei.*  
Invited talk, Yale Workshop on Nuclear Structure Physics Near the Coulomb Barrier: Into the 21<sup>st</sup> Century, Yale University, New Haven, USA, 22-25 June 2005.
53. *Nuclear Structure from Long-Lived Isomers and Beta-Decays of Heavy, Neutron-Rich Nuclei.*  
Invited talk, International Workshop on Physics with Low-Energy Beams at SPRIAL2, GANIL, Caen, France, 3-5 July 2005.
54. *New Physics Opportunities with the Stopped Beam RISING Project.*  
Invited talk, International Workshop on Isomers, University of Notre Dame. South Bend Indiana, USA, 4 September 2005.
55. *Multinucleon Transfer Reactions to Study Nuclear Structural Evolution.*  
Invited talk, 12<sup>th</sup> International Conference on Capture-Gamma Spectroscopy and Related Topics, CGS-12, University of Notre Dame, South Bend, Indiana, USA, 5-9 September 2005.

56. *The Use of Deep-Inelastic and Multinucleon Transfer Reactions for Gamma-ray Spectroscopy: A Brief Review.*  
Invited talk, SPIRAL2 workshop on High Resolution Gamma-ray Spectroscopy, GANIL, France 4-6 October 2005.
57. *Nuclear Structure and Reaction Mechanism Studies with Multinucleon Transfer Reactions.*  
Invited talk, FUSION06, International Conference on Reaction Mechanisms and Nuclear Structure at the Coulomb Barrier, San Servolo, Venezia Italy, 19-23 March 2006.
58. *Isomers and Structural Evolution Using the RISING Array.*  
Invited talk, Contemporary Frontiers in Nuclear Structure, 231<sup>st</sup> American Chemical Society National Meeting, Atlanta, Georgia, USA, 26-30 March 2006.
59. *Report on RISING and Other UK Involvement at GSI.*  
Invited talk, Nuclear Physics UK Community Meeting, Cosener's House, Abingdon, UK, 16-17 May 2006.
60. *First Results from the Stopped Beam RISING Campaign at GSI: The Mapping of Isomeric Decays in Highly Exotic Nuclei.*  
Plenary Invited talk, 6<sup>th</sup> International Conference of the Balkan Physical Union, Istanbul, Turkey, 22-26 August 2006.
61. *First Results from the Stopped Beam RISING Campaign at GSI.*  
Invited talk, IX International Conference on Nucleus-Nucleus Collisions, Rio de Janeiro, Brazil, 28 August - 1 September 2006
62. *The Stopped RISING Experimental Campaign at GSI.*  
Invited talk, Institute of Physics Nuclear and Particle Physics Divisional Conference, University of Surrey, Guildford, UK, 3-5 April 2007.
63. *RISING at GSI.*  
Invited talk, UK Nuclear Physics Community Annual Meeting, Coseners House, Abingdon, UK 22-23 May 2007.
64. *New Insights into Nuclear Structure at Extremes of Isospin Using the Stopped RISING Array at GSI.*  
Invited talk, Gordon Research Conference on Nuclear Chemistry, Colby Sawyer College, New Hampshire, USA, 3-8 June 2007.
65. *Pushing the limits of Gamma-ray Spectroscopy: The Stopped RISING Campaigns.*  
Invited talk, Institute of Physics Nuclear Physics Conference, Liverpool University, UK 1-3 April 2008
66. *Recent Physics Highlights from the Stopped RISING Campaigns.*  
Invited talk, International Workshop on Nuclear Structure Physics, Shanghai, China, 1-7 June 2008.

67. *New Insights into the Structure of Heavy Neutron-Rich Nuclei using the RISING Active Stopper.*  
Invited talk, 13th International Symposium on Capture Gamma-ray Spectroscopy and Related Topics, Koeln, Germany, 25-29 August 2008.
68. *Knowledge Exchange in (Academic) Nuclear Physics.*  
Invited talk, Nuclear Physics Community Meeting, Cosener's House, Abingdon, UK 10-11 September 2008.
69. *Microscopic Investigations of the Proton Subshell Closure at  $Z=74$  and Tri-axial 'Magic Number' at  $N=116$  Using Deep-Inelastic Collisions with AGATA at PRISMA.*  
Contributed talk, Agata Demonstrator Physics Workshop, INFN-Legnaro Laboratory, Italy, 18-20 May 2009.
70. *Funding of UK Nuclear MSc Courses.*  
Invited talk, Nuclear Physics UK Community Meeting, 11-12 June, Cosener's House, Abingdon, UK
71. *Transitions in Nuclear Structure of Heavy, Neutron-Rich Nuclei.*  
Invited talk, The 7<sup>th</sup> Biennial Workshop on Nuclear Structure Physics Near the Coulomb Barrier, Into the 21<sup>st</sup> Century, Yale University, New Haven, USA 18-20 June 2009.
72. *The Stopped RISING Years: 2001-2009*  
Invited Talk, RISING Celebration Symposium 5<sup>th</sup> October 2009, TU Darmstadt, Germany
73. *Nuclear Spectroscopy in Exotic Nuclei.*  
Invited talk, The School cum Workshop in Yrast and Near Yrast Spectroscopy, IIT Roorkee, India, 26-30 October 2009.
74. *Metastable States in Exotic Nuclei and Some of their Potential Applications.*  
Invited talk, Extreme Light Infrastructure (ELI) Nuclear Physics Workshop, 1-2 February 2010, Horia Hulubei National Institute of Physics and Nuclear Engineering, Bucharest, Romania
75. *Overview of the Stopped RISING Project: 2001→2006→2010.*  
Invited talk, NUSTAR Annual Research Meeting, GSI Darmstadt, Germany, 3-5 March 2010.
76. *Relativistic Coulomb Excitation of Deformed Neutron-Rich  $A\sim 170\rightarrow 190$  Nuclei: Evolution of Structure from the Valence Maximum to the Phase Transition Region.*  
Contributed talk, AGATA Physics Workshop, Istanbul Technical University, Istanbul, Turkey 4-7 May 2010
77. *Precision Measurement of the Lifetime of the  $\Gamma^- = 4^-$  Intruder State in  $^{34}\text{P}$  Using Ge-LaBr<sub>3</sub>-LaBr<sub>3</sub> Fast-Timing Coincidences.*  
Contributed talk, FRIB Workshop on Advances in Nuclear Radiation Detectors and Technologies, Rutgers University, New Jersey, USA, 8-9 Jan 2011

78. *K-Isomers and Shape Evolution around  $A \sim 190$ .*  
Contributed talk, PRESPEC Decay Physics Workshop 12-13 January 2011, University of Brighton, UK
79. *RISING to NuSTAR.*  
Invited talk, Institute of Physics Nuclear and Particle Physics Divisional Conference, University of Glasgow, 4-7 April 2011.
80. *Scientific Achievements of the Stopped RISING Campaign at GSI.*  
Invited talk, E(U)RICA International Workshop, RIKEN Nishina Centre, Wako, Saitama, Japan, 23-24 May 2011.
81. *The DESPEC Fast-Timing Project at FAIR: Sub-nanosecond Nuclear Timing Spectroscopy with  $LaBr_3$  Scintillators.*  
Invited talk, 8<sup>th</sup> International Conference on Industrial Radiation and Radioisotope Measurement Applications (IRRMA8), Kansas City, Missouri, USA 26 June - 1 July 2011.
82. *The Japanese Nuclear Power Crisis: What Impact Will it Have on the UK ?*  
Invited Plenary Talk, The Emergency Planning Society Resilience Symposium 2011: Condition Critical, Mother Nature, Friend or Foe? Case Study, New Zealand and Japan, 5-6 July 2011, SECC, Glasgow, Scotland.
83. *From RISING at GSI to the DESPEC Fast-timing Project at FAIR: The New Nuclear Spectroscopy of the Most Exotic Isotopes.*  
Invited plenary talk, 28th International Physics Congress of the Turkish Physical Society, 6-9 September 2011, Bodrum, Turkey.
84. *An Overview of Decay Spectroscopy of Exotic Isotopes with Fast Radioactive Beams: From RISING to DESPEC.*  
Invited talk, XIX International School on Nuclear Physics, Neutron Physics and Applications, 19-25 September 2011, Varna, Bulgaria.
85. *A Training Provider's View of What Makes a SQEP HP Professional.*  
Invited plenary talk, Society for Radiological Protection meeting on Radiation Protection - Training and Competencies, Dillington House, Ilminster, Somerset, 20 October 2011.

I have given invited Research Colloquia at the following institutions:

(1) University of Manchester (2000,2010); (2) University of Liverpool (1999); (3) University of Birmingham (1993); (4) University of York (2002,2007); (5) The Lawrence Berkeley National Laboratory, California, USA (1993,1999); (6) University of Notre Dame, South Bend Indiana, USA (1999,2000,2002,2007,2009,2010); (7) The State University of New York at Stony Brook, USA (1992); (8) The University of Kentucky at Lexington, USA (2000); (9) Yale University, New Haven, Connecticut, USA (2000,2004,2005,2009); (10) The Triangle Universities Nuclear Laboratory, Raleigh, North Carolina, USA (2002); (11) Rutgers's University, Piscataway, New Jersey, USA (2002); (12) NSCL, Michigan State University, East Lansing, USA (1996,2008); (13) Florida State University, Tallahassee, USA (2002,2009); (14) The Institute of Nuclear Physics,

Orsay, Université de Paris (2000); (15) The National Accelerator Centre, Cape Town, South Africa (2001); (16) University of Camerino, Italy (2005); (17) ILL-Grenoble, France (2007); (18) Argonne National Lab, Illinois, USA (2011). (19) TRIUMF Laboratory, Vancouver, Canada (2011).

### **Mainstream Media (TV/Radio) Appearances/Contribution on Radiation Science Issues.**

1. 24 Nov. 2006, live interview, BBC World Service Radio ‘Newshour’ ( $^{210}\text{Po}$ ).
2. 24 Nov. 2006, live interview, BBC News 24 ( $^{210}\text{Po}$ ).
3. 24 Nov. 2006, live interview, BBC Radio 4 ‘The World Tonight’ ( $^{210}\text{Po}$ ).
4. 25 Nov. 2006, live interview, BBC Radio 5 Live ‘Morning Show’ ( $^{210}\text{Po}$ ).
5. 25 Nov. 2006, live interview, BBC1 Breakfast Show ( $^{210}\text{Po}$ ).
6. 25 Nov. 2006, recorded interview, BBC World, News ( $^{210}\text{Po}$ ).
7. 25 Nov. 2006, recorded interview, BBC1 News ( $^{210}\text{Po}$ ).
8. 25 Nov. 2006, live Sky TV News Panel Member (three appearances) ( $^{210}\text{Po}$ ).
9. 27 Nov. 2006, live interview, Sky Evening News ( $^{210}\text{Po}$ ).
10. 29 Nov. 2006, recorded interview, BBC2, shown on ‘Newsnight’ ( $^{210}\text{Po}$ ).
11. 29 Nov. 2006, live interview, BBC News 24 ( $^{210}\text{Po}$ ).
12. 29 Nov. 2006, recorded interview, BBC World Service Radio ( $^{210}\text{Po}$ ).
13. 29 Nov. 2006 recorded Sky News Interview, shown on Sky News report ( $^{210}\text{Po}$ ).
14. 30 Nov. 2006, live interview, Sky ‘Sunrise with Eamon Holmes’ ( $^{210}\text{Po}$ ).
15. 30 Nov. 2006, recorded interview, Channel 5 News, shown that evening ( $^{210}\text{Po}$ ).
16. 30 Nov. 2006, recorded interview, CBS Evening News (USA) ( $^{210}\text{Po}$ ).
17. 30 Nov. 2006, recorded interview, BBC1 TV Evening News ( $^{210}\text{Po}$ ).
18. 30 Nov. 2006, live interview, guest on BBC Radio 2 ‘The Jeremy Vine Show’ ( $^{210}\text{Po}$ ).
19. 30 Nov. 2006, live interview, BBC World Service Radio for ‘Newshour’( $^{210}\text{Po}$ ).
20. 30 Nov. 2006, live interview, Highland Radio (Eire) ‘The Shaun Doherty Show’ ( $^{210}\text{Po}$ ).
21. 30 Nov. 2006, recorded interview, BBC Southern Counties Radio (Guildford) ( $^{210}\text{Po}$ ).
22. 30 Nov. 2006, recorded interview, Russia Today (TV) ( $^{210}\text{Po}$ ).
23. 30 Nov. 2006, recorded interview, BBC World Service ‘The World Today’, ( $^{210}\text{Po}$ ) .

24. 1 Dec. 2006, live interview, Sky News ( $^{210}\text{Po}$ ).
25. 1 Dec. 2006 live interview, BBC News 24( $^{210}\text{Po}$ ).
26. 1 Dec. 2006, recorded interview, CNN (USA) ( $^{210}\text{Po}$ ).
27. 1 Dec. 2006, live interview, BBC Radio Scotland ( $^{210}\text{Po}$ ).
28. 2 Dec. 2006, live interview, BBC Radio 4 'Today Program with John Humphrys' ( $^{210}\text{Po}$ ).
29. 2 Dec. 2006, live interview, Sky 'Sunrise' program ( $^{210}\text{Po}$ ).
30. 2 Dec. 2006, live interviews as Sky News panel member ( $^{210}\text{Po}$ ).
31. 2 Dec. 2006, recorded interview, Sky TV main news ( $^{210}\text{Po}$ ).
32. 2 Dec. 2006, live interview, BBC News 24 ( $^{210}\text{Po}$ ).
33. 2 Dec. 2006, guest panel member on BBC Radio 5 Live, 'The Steven Nolan Show' ( $^{210}\text{Po}$ ).
34. 5 Dec. 2006, live interview, 'Gordon Astley Show' BBC Southern Counties Radio ( $^{210}\text{Po}$ ).
35. 3 Feb. 2007, live interview, Channel 4's 'The Richard and Judy Show' (Electrosensitivity).
36. 21 May 2007, 11 separate local radio interviews for BBC General News Service (WiFi Safety).
37. 17 July 2007, live interview, BBC World TV News (Japanese earthquake radiation leak).
38. 12 Sept. 2007, live interview, BBC1 Breakfast Show (EM Radiation Health Report).
39. 17 Sept. 2007, live interview, BBC Southern Counties Radio Breakfast Show (nuclear power).
40. 23 Nov. 2007, interview, shown on BBC1 Evening New ( $^{210}\text{Po}$  production).
41. 3 Jan. 2008, live interview, BBC Southern Counties Radio (Nano-technology).
42. 3 Jan. 2008, live interview, Phantom Radio (Eire), S. Maher Show (Sense About Science).
43. 10 Jan. 2008, interview, BBC Southern Counties Radio (Announcement on Nuclear Power).
44. 28 Mar. 2008, interview BBC Radio 4 'The Punt PI Show', first broadcast 4 May 2008, repeated 2 Oct. 2008 (effects of radiation).
45. 25 April 2008, live interview, BBC Radio 2 'Jeremy Vine Show' (Syrian nuclear reactor).
46. 10 Sept. 2008, live phone-in/talk show, BBC Radio Wales, (The Big Bang and LHC Machine).
47. 10 Sept. 2008, live interview, BBC Southern Counties Radio, (The Big Bang and the LHC.)
48. 6 Oct. 2008, live interview, Talksport Radio with Aidrian Durham (Effects of Radiation.)
49. 7 Oct. 2008, recorded interview, FM4 Radio for the ORF (Austria), (Effects of Radiation.)

50. 27 Nov. 2008, live interview, BBC Radio Wales, The Richard Evans Phone-in (EM Radiation.)
51. 9 April 2009, interview, BBC Radio Northern Ireland, The Steven Nolan Show (EM Radiation.)
52. 24 Nov. 2009, Fallout from the Shore, BBC Radio 4 Programme with Libby Purves (radiation.)
53. 17 Dec. 2009, live interview, Today Show, BBC Radio 4 (funding crisis for nuclear physics.)
54. 21 Jan 2010, Chemistry: A Volatile History, 3-part documentary series, first shown BBC4 Feb. 2010, Series Consultant.
55. 11 Feb 2010, live interview, BBC Radio Bedfordshire, Mark Peach Breakfast Show (enriched uranium).
56. 23 Mar. 2010, live interview, BBC Radio 5live, The Gabby Logan Show (science funding).
57. 23 Mar. 2010, live interview, BBC Radio 2, The Simon Mayo Drivetime Show (new space agency).
58. 1 May 2010, Science of Balloons, Britain's Got More Talent, ITV2.
59. 10 June 2010, recorded interview, BBC Breakfast TV (BBC1) (funding for physics research).
60. 2 Sept. 2010, live interview, BBC Radio 5 Live, 5 Live Breakfast with Nicky Campbell (Physics and Religion).
61. 9 Sept. 2010, live interview, BBC Radio 4, Material World with Quentin Cooper (CSR and Physics funding).
62. 11 March 2011, live interview, Sky News, Fukushima reactor.
63. 12 March 2011, live interview, Sky News, Fukushima reactor.
64. 12 March 2011, recorded interview, ABC (Australia) Radio News, Fukushima reactor.
65. 12 March 2011, live interview, Sky News, Fukushima reactor.
66. 12 March 2011, live interview, BBC Radio 4 PM programme, Fukushima reactor.
67. 12 March 2011, interview, ITN Channel 4 and ITV evening news, Fukushima reactor.
68. 12 March 2011, live interview Sky Australia (TV), Fukushima reactor.
69. 12 March 2011, live interview BBC World Service, the World Tonight, Fukushima reactor.
70. 12 March 2011, live interview BBC Radio 5 Live, Fukushima reactor.
71. 13 March 2011, live interview, Sky News, Fukushima reactor.

72. 13 March 2011, recorded interview, CNN India, Fukushima reactor.
73. 13 March 2011, presenter's friend, Sky News Evening News, Fukushima reactor.
74. 14 March 2011, live interviews BBC General News Service, Fukushima reactor.
75. 14 March 2011, live interviews (x2) BBC Breakfast TV, Fukushima reactor.
76. 14 March 2011, live interview BBC World TV, Fukushima reactor.
77. 14 March 2011, live interview BBC News Channel TV, Fukushima reactor.
78. 14 March 2011, live interview Newstalk Radio, Eire, Fukushima reactor.
79. 14 March 2011, interview BBC 1 1pm news, Fukushima reactor.
80. 14 March 2011, live interview RTE National Radio, Eire, Fukushima reactor.
81. 14 March 2011, live interview for ITN Channel 4 and ITV evening news, Fukushima reactor.
82. 14 March 2011, live interview BBC World Service Radio, Fukushima reactor.
83. 14 March 2011, live interview Sky News TV, Fukushima reactor.
84. 14 March 2011, live interview Sky News Australia TV, Fukushima reactor.
85. 14 March 2011, live interview, Radio New Zealand, Fukushima reactor.
86. 14 March 2011, live interview Newsnight, BBC2 TV, Fukushima reactor.
87. 15 March 2011, live interviews (x3) BBC Breakfast TV, Fukushima reactor.
88. 15 March 2011, interviews with Galwaybay FM Radio (Eire), Fukushima reactor.
89. 15 March 2011, live interview, The Jeremy Vine Show, BBC Radio 2, Fukushima reactor.
90. 15 March 2011, live interview, The One Show, BBC Radio 1, Fukushima reactor.
91. 16 March 2011, live interview, BBC World TV, presenter's friend, Fukushima reactor.
92. 16 March 2011, live interview, BBC World Service Radio, Fukushima reactor.
93. 16 March 2011, live interview, Al Jazeera English TV, Fukushima reactor.
94. 17 March 2011, live interview, BBC Radio York, Fukushima reactor.
95. 17 March 2011, live interview, Sky News TV, Fukushima reactor.
96. 17 March 2011, interview, Galwaybay FM (Eire), Fukushima reactor.
97. 17 March 2011, live interview, BBC World Service Radio, Fukushima reactor.
98. 17 March 2011, live interview, Sky News TV, Fukushima reactor.

99. 18 March 2011, live interviews (x13), BBC General News Service, Fukushima reactor.
100. 18 March 2011, live interview, CNN International, Fukushima reactor.
101. 18 March 2011, live interview, RTE National Radio 1pm News, Fukushima reactor.
102. 21 March 2011, live interview, Sky News TV, Radiation Levels in Food.
103. 23 March 2011, live interview BBC World Service, Radiation levels in Water.
104. 27 March 2011, interview, Reuters International, Radiation and Health.
105. 27 March 2011, interview, BBC World Service, Newshour, Radiation and Health.
106. 27 March 2011, live interview, BBC TV News, Reactors and Radiation.
107. 29 March 2011, live interview, Sky News Channel, Airborne Radiation in UK.
108. 29 March 2011, live interview, RTE1 Radio (Eire), Airborne Radiation in the UK.
109. 31 March 2011, live interview, BBC World TV, Radiation Health Risks in Japan.
110. 31 March 2011, live interviews (x11), BBC General News Service, Radiation in Japan.
111. 1 April 2011, live interview, Galwaybay FM (Eire), The Keith Finnegan Show, Radiation Risks.
112. 2 April 2011, live interview BBC TV News, Radiation Leaks from Fukushima.
113. 11 April 2011, live interview, BBC World TV, Fukushima, 1 month on.
114. 12 April 2011, live interview, Sky News Sunrise, radiation leaks.
115. 12 April 2011, live interview, BBC Breakfast News, radiation levels.
116. 12 April 2011, live interview, BBC Radio Foil, Ulster, radiation levels.
117. 5 May 2011, live interview BBC World Service Radio, The World Tonight, airborne radiation.
118. 10 May 2011, live interview World Update, BBC World TV, Future of Japanese Nuclear Power.
119. 23 September 2011, Live interview phone in, BBC Radio Wales, Future of UK Nuclear Power.
120. 23 September 2011, Live interview, BBC News TV 24, Ultrafast Neutrinos and Speed of Light.
121. 23 September 2011, recorded interview, BBC1 TV 6 and 10 O'Clock News, Ultrafast Neutrinos.
122. 13 October 2011, live interview, BBC World TV, Radioactive particles in Tokyo.

123. 3 November 2011, live interview, Science in Action, BBC World Service, Radioactive Xenon Gas.
124. 15 November 2011, live interview, BBC World News TV, Radiation levels in Japanese Food.
125. 12 December 2011, recorded interview BBC Radio 5 Live and BBC Radio 6 Music, Higgs Boson.
126. 13 December 2011, live interview, BBC 3CR Radio, Higgs Boson.
127. 13 December 2011, live interview, BBC News 24 TV Channel, Higgs Boson.
128. 13 December 2011, live interview, BBC Radio Surrey and Sussex, Higgs Boson.

### **Nuclear Physics Research Proposal Presented as Spokesperson (Selected).**

I have led a number of international nuclear physics research collaborations which have won competitive beam time at leading international facilities. Listed below are selected experiments for which I have acted as the Spokesperson, with the overall responsibility for overseeing the project from writing the original experimental proposal(s), through to the design and completion of the experimental phase, culminating in the data analysis and publication of the experimental results.

1. *Spectroscopic Studies of Neutron Rich Nuclei Around  $A \sim 100$ .*  
January 1996, granted 7 days beam time on the University of Jyväskylä, Finland, cyclotron accelerator (in collaboration with Liverpool University).
2. *Search for Micro-Second Isomeric States in Neutron Deficient Nuclei Around  $A=80$ .*  
May 1996, granted 6 days beam time and the National Heavy-Ion Accelerator (GANIL), France (in collaboration with CEN Bordeaux, GANIL, Liverpool University, Warsaw University, CEN Strasbourg, Daresbury Laboratory and York University.)
3. *Investigation of the Deformed Oblate Minimum in  $^{74}\text{Kr}$ .*  
November 1996, granted 4 days beam time at the National Nuclear Laboratory, (LLN) Legnaro, Italy (in collaboration with INFN Legnaro, University of Padova, Daresbury Laboratory, Staffordshire University, Brighton University, Warsaw University, IFIC Valenica and IPN Bucharest).
4. *Shape Coexistence and the Spectroscopy of  $^{187}\text{Pb}$ .*  
December 1996, granted 6 days beam time on the University of Jyväskylä, Finland, cyclotron accelerator (in collaboration with the Canberra).
5. *Studies of Isomeric States and Limits of Particle Stability Around  $N \sim Z \sim 40$  Using Fragmentation Reactions.*  
February 1997, granted 7 days beam time and the National Heavy-Ion Accelerator (GANIL), France (in collaboration with CEN-Bordeaux, GANIL, Liverpool University, Warsaw University, CEN Strasbourg, Daresbury Laboratory and York University.)

6. *Search for Micro-second K-Isomers in Neutron Rich Rare Earth Nuclei Around A=180.*  
October 1997, granted 14 days beam time at GSI, Darmstadt, Germany (in collaboration with GSI Darmstadt, Warsaw University, Oak Ridge National Lab., Liverpool University, Daresbury Laboratory, GANIL, LPC Caen, York University).
7. *Spectroscopy of Neutron-Rich Mo Isotopes around A=100.*  
March 1998, granted 4 days beam time at the Lawrence Berkeley National Laboratory, California, USA (in collaboration with Jyväskylä and Liverpool University).
8. *Investigation of Pairing Correlations and Collectivity in the N=Z Nucleus,  $^{80}_{40}\text{Zr}$ .*  
July 1998, granted 5 days beam time at the National Nuclear Laboratory, Legnaro, Italy (in collaboration with York University, Berkeley Laboratory, Lund University, INFN Legnaro, and IFIC Valencia).
9. *Search for Long Isomeric Decays in Neutron-Rich Rare Earth Nuclei Around  $^{178}\text{Lu}$ .*  
November 1998, granted 4 days beam time at GSI, Darmstadt, Germany (in collaboration with GSI Darmstadt, Liverpool University, Daresbury Laboratory, Canberra and York University).
10. *The GSI Fragmentation ISOMER Gamma-Ray Spectroscopy Campaign, New Vistas in Discrete Line Nuclear Structure Studies.*  
June 2000, granted 43 days of beam-time using the SIS synchrotron at GSI Darmstadt Germany (in collaboration with Lund University, Warsaw University, Liverpool, York, Brighton, Manchester, Daresbury, Uppsala, Leuven, Oak Ridge National Laboratory, University of Tennessee, University of Notre Dame, University of Jyväskylä, ANU Canberra, NBI Copenhagen, GANIL, IPN-Orsay, CEA-Saclay, Grenoble).
11. *Spectroscopy of the Doubly Mid-Shell  $^{170}_{66}\text{Dy}_{104}$  Region.*  
Jan. 2001, granted 5 days beam time using the WNSL tandem accelerator, Yale University, USA, (in collaboration with INFN-Legnaro, University of Liverpool and Yale University).
12. *In-Beam Fragmentation Spectroscopy of Heavy Neutron-Rich Transitional Elements: Evidence for a New Shell Closure?*  
March 2001, granted 3 days of beam time at the National Accelerator Centre, Cape Town, South Africa (in collaboration with NAC-Cape Town, CLRC-Daresbury, Notre Dame, Sofia and Liverpool Universities).
13. *Identification of the Doubly Magic Superdeformed Minimum in  $^{100}\text{Mo}$ .*  
June 2001, granted 5 days of beam time at the Lawrence Berkeley National Laboratory, USA, using GAMMASPHERE (in collaboration with Rochester, Liverpool and Manchester Universities.)
14. *Searches for Vibrational to Rotational Evolution in Ru Nuclei.*  
January 2002, 6 days beam time at WNSL-Yale University.

15. *Collective and Symmetry Studies around the  $^{170}\text{Dy}$  Valence Maximum.*  
 July 2004, granted 6 days of beam time at the INFN-Legnaro Accelerator, Italy (in collaboration with CLRC-Daresbury and Paisley, Yale and Manchester Universities).
16. *Picosecond Lifetime Measurements in Cd and Pd Nuclei.*  
 August 2004, granted 12 days of beam time at WNSL-Yale laboratory, USA (in collaboration with Camerino, Sofia, Istanbul and Manchester Universities and CLRC Daresbury).
17. *The Stopped Beam RISING Campaign.*  
 March 2005 to Dec. 2009, Spokesperson and Co-ordinator for the Stopped Beam RISING collaboration. Collaboration granted more than 80 days of 14 separate beam-time for Stopped Beam RISING Campaign experiments (in collaboration with the Universities of Lund, Madrid, Warsaw, Santiago de Compostela, Liverpool, Brighton, York, INFN-Legnaro et al.,)
18. *In-beam Spectroscopy of the  $N=51$  Nucleus,  $^{91}\text{Zr}$ .*  
 Granted 10 days of beam time, WNSL-Yale University, USA July 2005 (in collaboration with the Universities of Manchester and Paisley.)
19. *Characterising the Microsecond Isomers in the  $N=Z$  Nucleus  $^{86}\text{Tc}$ .*  
 December 2006, granted 3 days of beam time at Argonne National Laboratory.
20. *Picosecond Lifetime Measurements of Excited States in  $^{91}\text{Zr}$ .*  
 August 2007, 6 days of beam time at WNSL-Yale University (in collaboration with the University of Richmond).
21. *Picosecond Lifetime Measurements of Excited States in  $^{100}\text{Pd}$ .*  
 August 2009, 14 days of beam time at WNSL-Yale University.
22. *Precision Measurement of the Lifetime of the Yrast  $I^\pi = 4^-$  State in  $^{34}\text{P}$  Using Fast-Timing Coincidences.*  
 June 2010, 8 days of beam time at the Bucharest Tandem Accelerator laboratory, Romania.
23. *In-beam Spectroscopy of the Double-Mid-shell Nucleus  $^{170}\text{Dy}$ .*  
 October 2011, 5 days of beam time at the INFN Legnaro Laboratory, Italy.