

## List of Publications

Candidate: Nikolaos PATRONIS

### Publications in peer reviewed journals

1. C.A. Papachristodoulou, P.A. Assimakopoulos, N.E. Patronis, K.G. Ioannides: *Use of HPGe  $\gamma$ -ray Spectrometry to Assess the Isotopic Composition of Uranium in soils*, Journal of Environmental Radioactivity 64 (2003) 195-203.
2. D. Karamanis, P.A. Assimakopoulos, G. Doukellis, D.A. Karademos, A. Karydas, M. Kokkoris, S. Kossionides, N. Nicolis, A. Pakou, C. Papachristodoulou, C. Papadopoulos, N. Patronis, P. Pavlopoulos, G. Perdikakis, R. Vlastou: *Neutron cross section measurements in the Th-U cycle by the activation method*, Nuclear Instruments and Methods A, 505 (2003) 381-384. [conference paper]
3. A. Pakou, N. Alamanos, A. Lagoyannis, A. Gillibert, E.C. Pollacco, P.A. Assimakopoulos, G. Doukellis, K. Ioannides, D. Karadimos, D. Karamanis, M. Kokkoris, S. Kossionides, N. Nicolis, C. Papachristodoulou, N. Patronis, G. Perdikakis: *The elastic scattering of  ${}^6\text{Li}+{}^{28}\text{Si}$  at near-barrier energies*, Physics Letters B 556 (2003) 21-26.
4. S. Dababneh, N. Patronis, P.A. Assimakopoulos, J. Göres, M. Heil, F. Käppeler, D. Karamanis, S. O'Brien and R. Reifart: *Gamma spectroscopy using two Clover detectors in close geometry*, Nuclear Instruments and Methods A, 517 (2004) 230-239.
5. N. Patronis, P.A. Assimakopoulos, D. Karamanis, S. Dababneh, M. Heil, F. Käppeler, R. Plag, P. E. Koehler, A. Mengoni and R. Gallino: *Neutron capture studies on unstable  ${}^{135}\text{Cs}$  for nucleosynthesis and transmutation*, Physical Review C 69 (2004) 025803.
6. A. Pakou, N. Alamanos, G. Doukellis, A. Gillibert, G. Kalyva, M. Kokkoris, E. Kossionides, A. Lagoyannis, A. Musumarra, C. Papachristodoulou, N. Patronis, G. Perdikakis, D. Pierroutsakou, E. C. Pollacco and K. Rusek: *Elastic scattering of  ${}^7\text{Li} + {}^{28}\text{Si}$  at near-barrier energies*, Physical Review C 69 (2004) 054602.
7. H. Nassar, S. Ghelberg, M. Paul, S. Dababneh, M. Heil, F. Käppeler, R. Plag, I. Ahmad, J.P. Greene, D.J. Henderson, C.L. Jiang, R.C. Pardo, T. Pennington, K.E. Rehm, R. Scott, S. Sinha, X. Tang, R. Vondrasek, H. Koivisto, D. Berkovits, M. Bettan, R. Reifarth, P. Collon, S. O'Brien and N. Patronis: *Production and isobaric separation of  ${}^{63}\text{Ni}$  ions for determination of the  ${}^{62}\text{Ni}(n,\gamma){}^{63}\text{Ni}$  reaction cross section at stellar temperatures*, Nuclear Physics A, 746 (2004) 613-616. [conference paper]
8. H. Nassar, M. Paul, I. Ahmad, D. Berkovits, M. Bettan, P. Collon, S. Dababneh, S. Ghelberg, J. P. Greene, A. Heger, M. Heil, D. J. Henderson, C. L. Jiang, F. Käppeler, H. Koivisto, S. O'Brien, R. C. Pardo, N. Patronis, T. Pennington, R. Plag, K. E. Rehm, R. Reifarth, R. Scott, S. Sinha, X. Tang, R. Vondrasek: *The stellar  $(n,\gamma)$  cross section of  ${}^{62}\text{Ni}$* , Physical Review Letters 94 (2005) 092504.
9. R. Reifarth, U. Besserer, S. Dababneh, L. Dörr, J. Görres, R. C. Haight, M. Heil, F. Käppeler, A. Mengoni, S. O'Brien, N. Patronis, R. Plag, R. S. Rundberg, M. Wiescher, and J. B. Wilhelmy: *Stellar neutron capture rates of  ${}^{14}\text{C}$* , Nuclear Physics A, 758 (2005) 787-790. [conference paper]
10. A. Obertelli, A. Gillibert, N. Alamanos, M. Alvarez, F. Auger, R. Dayras, A. Drouart, G. de France, B. Jurado, N. Keeley, V. Lapoux, W. Mittig, X. Mougeot, L. Nalpas, A. Pakou, N. Patronis, E.C. Pollacco, F. Rejmund, M. Rejmund, P. Roussel-Chomaz, H. Savajols, F. Skaza and Ch. Theisen: *Shell gap reduction in neutron rich  $N=17$  nuclei*, Physics Letters B 633 (2006) 33-37.

11. A. Pakou, N. Alamanos, N. M. Clarke, N. J. Davis, G. Doukelis, G. Kalyva, M. Kokkoris, A. Lagoyiannis, A. Musumarra, N. G. Nicolis, C. Papachristodoulou, N. Patronis, G. Perdikakis, D. Pierroutsakou, D. Roubos, K. Rusek, A. Spyrou, and Ch. Zarkadas: *The  ${}^6\text{Li}$  exclusive breakup on  ${}^{28}\text{Si}$  at 13 MeV*, Physics Letters B 633 (2006) 691-695.
12. The n\_TOF collaboration: *Neutron capture cross section of  ${}^{232}\text{Th}$  measured at the n\_TOF facility at CERN in the unresolved resonance region up to 1 MeV*, Physical Review C 73 (2006) 054610.
13. The n\_TOF collaboration: *New measurement of neutron capture resonances of  ${}^{209}\text{Bi}$* , Physical Review C 74 (2006) 025807.
14. G. Perdikakis, C. T. Papadopoulos, R. Vlastou, A. Lagoyannis, A. Spyrou, M. Kokkoris, S. Galanopoulos, N. Patronis, Ch. Zarkadas, G. Kalyva, S. Kossionides, and the n\_TOF collaboration: *Measurement of the  ${}^{241}\text{Am}(n,2n)$  reaction cross section, by the activation method*, Physical Review C 73 (2006) 067601.
15. A. Obertelli, A. Gillibert, N. Alamanos, M. Alvarez, F. Auger, R. Dayras, A. Drouart, N. Keeley, V. Lapoux, X. Mougeot, L. Nalpas, E.C. Pollacco, F. Skaza and Ch. Theisen, G. de France, B. Jurado, W. Mittig, F. Bejismud, M. Rejmud, P. Rousel-Chomaz, H. Savajol, A. Pakou and N. Patronis:  *$\gamma$  spectroscopy of  ${}^{25,27}\text{Ne}$  and  ${}^{26,27}\text{N}$* , Physical Review C 74 (2006) 064305.
16. The n\_TOF collaboration: *Resonance capture cross section of  ${}^{207}\text{Pb}$* , Physical Review C 74 (2006) 055802.
17. G. Perdikakis, C. T. Papadopoulos, M. Kokkoris, R. Vlastou, S. Galanopoulos, A. Lagoyannis, A. Spyrou, G. Kalyva, N. Patronis and the n\_TOF Collaboration: *Study of the  ${}^{241}\text{Am}(n,2n){}^{240}\text{Am}$  Reaction Cross Section in the Energy Range  $E_n=8.8\text{-}11.1$  MeV*, Journal of Radioanalytical and nuclear Chemistry 272 (2007) 223.
18. N. Patronis, C.T. Papadopoulos, S. Galanopoulos, M. Kokkoris, G. Perdikakis, R. Vlastou, A. Lagoyannis and S. Harissopoulos: *Activation cross section and isomeric cross section ratio for the  $(n,2n)$  reaction on  ${}^{191}\text{Ir}$* , Physical Review C 75 (2007) 034607.
19. A. Gillibert, N. Alamanos, M. Alvarez, F. Auger, D. Beaumel, E. Becheva, Y. Blumenfeld, R. Dayras, F. Delaunay, A. Drouart, G. de France, L. Giot, B. Jurado, N. Keeley, K.W. Kemper, V. Lapoux, W. Mittig, X. Mougeot, L. Nalpas, A. Obertelli, N. Patronis, A. Pakou, E.C. Pollacco, R. Raabe, P. Roussel-Chomaz, F. Rejmund, M. Rejmund, H. Savajols, J.A. Scarpaci, J.L. Sida, F. Skaza, S. Stepantsov, Ch. Theisen and R. Wolski: *Structure of exotic nuclei from direct reactions*, Nuclear Physics A, 787 (2007) 423-432. [conference paper]
20. N. Patronis, M. Kokkoris, D. Giantsoudi, G. Perdikakis, C. T. Papadopoulos and R. Vlastou: *Aspects of Geant4 Monte-Carlo Calculations of the BC501A Neutron Detector*, Nuclear Instruments and Methods A, 578 (2007) 351-355.
21. The n\_TOF collaboration: *Neutron reactions and nuclear cosmo-chronology*, Progress in Particle and Nuclear Physics 59 (2007) 165–173. [conference paper]
22. The n\_TOF collaboration: *Measurement of the neutron capture cross section of the s-only isotope  ${}^{204}\text{Pb}$  from 1 eV to 440 keV*, Physical Review C 75 (2007) 015806.
23. A. Gillibert, A. Obertelli, N. Alamanos, M. Alvarez, F. Auger, R. Dayras, A. Drouart, G. de France, B. Jurado, N. Keeley, V. Lapoux, W. Mittig, X. Mougeot, L. Nalpas, A. Pakou, N. Patronis, E. Pollacco, F. Rejmund, M. Rejmund, P. Roussel-Chomaz, H. Savajols, F. Skaza, and Ch. Theisen, *Study of  $N=16$  for Ne isotopes*, European Physical Journal - Special Topics 150 (2007) 161-163. [conference paper]
24. The n\_TOF collaboration: *The  ${}^{139}\text{La}(n,\gamma)$  cross-section: Key for the onset of the s-process*, Physical Review C 75 (2007) 035807.

25. M. Serris, S. Galanopoulos, C. A. Kalfas, M. Kokkoris, A. Lagoyannis, C. T. Papadopoulos, N. Patronis, G. Perdikakis and R. Vlastou: *Study of the (n,2n) cross section of the  $^{174}\text{Hf}$  isotope*, Nuclear Instruments and Methods B, 261 (2007) 941-944. [conference paper]
26. M. Kokkoris, V. Foteinou, G. Provas, A. Kontos, N. Patronis, C.T. Papadopoulos, R. Vlastou, P. Misaelides, A. Lagoyannis and S. Harissopoulos: *A Detailed study of the  $d+^{10}\text{B}$  System for Nuclear Reaction Analysis. Part A: The  $^{10}\text{B}(d,p)^{11}\text{B}$  Reaction in the Energy Region  $E_{d,\text{lab}}=900\text{-}2000$  keV*, Nuclear Instruments and Methods B, 263 (2007) 357-368.
27. The n\_TOF collaboration: *Status and outlook of the neutron time-of-flight n\_TOF at CERN*, Nuclear Instruments and Methods B, 261 (2007) 925-929.
28. The n\_TOF collaboration: *Measurement of the radiative neutron capture cross section of  $^{206}\text{Pb}$  and its astrophysical implications*, Physical Review C 76 (2007) 045805.
29. R. Reifarh, M. Heil, F. Käppeler, R. Plag,, C. Forssén, U. Besserer, A. Couture, S. Dababneh, L. Dörr, J. Görres, R.C. Haight, A. Mengoni, S. O'Brien, N. Patronis, R.S. Rundberg, M. Wiescher, and J.B. Wilhelmy: *The  $^{14}\text{C}(n,\gamma)$  cross section between 10 keV and 1 MeV*, Physical Review C 77 (2008) 015804
30. The n\_TOF collaboration: *Nuclear physics for the Re/Os clock*, Journal of Physics G. 35 (2008) 014015. [conference paper]
31. The n\_TOF collaboration: *The measurement of the  $^{206}\text{Pb}(n,\gamma)$  cross section and stellar implications*, Journal of Physics G. 35 (2008) 014020. [conference paper]
32. The n\_TOF collaboration: *Neutron capture cross section of  $^{90}\text{Zr}$ : Bottleneck in the s-process reaction flow*, Physical Review C 77 (2008) 035802.
33. I. Stefanescu G. Georgiev, D. L. Balabanski, N. Blasi, A. Blazhev, N. Bree, J. Cederkäll, T. E. Cocolios, T. Davinson, J. Eberth, A. Ekström, V.N. Fedosseev, L.M. Fraile, S. Franchoo, K. Gladnishki, M. Huyse, O. Ivanov, J. Iwanicki, J. Jolie, T. Konstantinopoulos, Th. Kröll1, R. Krücken, U. Köster, A. Lagoyannis, G. Lo Bianco, P. Maierbeck, B.A. Marsh, P. Napiorkowski, N. Patronis, D. Pauwels, G. Rainovski, P. Reiter, J. Van De Walle, P. Van Duppen, D. Voulot, N. Warr, D. Weisshaar, F. Wenander and K. Wrzosek: *Interplay between single-particle and collective effects in the odd-A Cu isotopes beyond N=40*, Physical Review Letters 100 (2008) 112502.
34. The n\_TOF collaboration: *Experimental study of the  $^{91}\text{Zr}(n,\gamma)$  reaction up to 26 keV*, Physical Review C 78 (2008) 045804.
35. I. Stefanescu, D. Pauwels, N. Bree, T. E. Cocolios, J. Diriken, S. Franchoo, M. Huyse, O. Ivanov, Y. Kudryavtsev, N. Patronis, J. Van De Walle, P. Van Duppen, and W. B. Walters: *Evidence for a  $\beta$ -decaying  $1/2^-$  isomer in  $^{71}\text{Ni}$* . Physical Review C 79 (2009) 044325.
36. J. Van de Walle, V. Bildstein, N. Bree, J. Cederkäll, P. Delahaye, J. Diriken, A. Ekström4, V.N. Fedosseev, R. Gernhäuser2, A. Gustafsson, A. Herlert, M. Huyse, O. Ivanov, T. Kröll, R. Krücken, B. Marsh, N. Patronis, P. Van Duppen, D. Voulot, N. Warr, F. Wenander, K. Wimmer, and S.M. Lenzi: *In-trap decay of  $^{61}\text{Mn}$  and Coulomb excitation of  $^{61}\text{Mn}/^{61}\text{Fe}$* , Eur. Phys. J. A (2009), DOI: 10.1140/epja/i2009-10814-6
37. K Zerva, N. Patronis, A. Pakou, N. Alamanos, X. Aslanoglou, D. Filipescu, T. Glodariu, M. Kokkoris, M. La Commara, A. Lagoayannis, M. Mazzocco, N.G. Nicolis, D. Pierroutsakou, M. Romoli, and K. Rusek: *Elastic backscattering measurements for  $6\text{Li}+28\text{Si}$  at sub- and near-barrier energies*. Physical Review C 80 (2009) 017601.
38. The n\_TOF collaboration: *The n\_TOF Total Absorption Calorimeter for neutron capture measurements at CERN*, Nuclear Instruments and Methods A, 608 (2009) 424-433.
39. The nTOF collaboration: *Astrophysics at nTOF facility*, Nuclear Physics and Atomic Energy, 10 (2009) 257-262. [conference paper]
40. N. Patronis, H. De Witte, M. Gorska, M. Huyse, K. Kruglov, D. Pauwels, K. Van de Vel, P. Van Duppen, J. Van Roosbroeck, J.-C. Thomas, S. Franchoo, J. Cederkall, V. N.

- Fedoseyev, H. Fynbo, U. Georg, O. Jonsson, U. Koster, T. Materna, L. Mathieu, O. Serot, L. Weissman, W. F. Mueller, V. I. Mishin, and D. Fedorov:  *$\beta$ -decay study of  $^{77}\text{Cu}$* . Physical Review C 80 (2009) 034307.
41. The n\_TOF collaboration: *High-accuracy  $^{233}\text{U}(n, f)$  cross-section measurement at the white-neutron source n TOF from near-thermal to 1 MeV neutron energy*, Physical Review C 80 (2009) 044604.
  42. The n\_TOF collaboration: *Neutron cross-sections for next generation reactors: New data from n\_TOF*, Applied Radiation and Isotopes, 68 (2010) 643-646.
  43. M. Mazzocco, A. Boiano, C. Boiano, A. Di Pietro, F. Farinon, P. Figuera, D. Filipescu, L. Fortunato, T. Glodariu, A. Guglielmetti, G. Inglima, M. La Commara, M. Lattuada, C. Mazzocchi, P. Molini, A. Musumarra, A. Pakou, C. Parascandolo, N. Patronis, D. Pierroutsakou, M. Romoli, M. Sandoli, V. Scuderi, C. Signorini, F. Soramel, L. Stroe, D. Torresi, E. Vardaci and A. Vitturi: *Scattering of  $^{17}\text{F}$  nuclei from a  $^{58}\text{Ni}$  target at energies around the Coulomb barrier*, Nuclear Physics A, 834 (2010) 488c-490c. [conference paper]
  44. The n\_TOF collaboration: *The  $^{92}\text{Zr}(n, \gamma)$  reaction and its implications for stellar nucleosynthesis*, Physical Review C 81 (2010) 055801.
  45. The nTOF collaboration: *Neutron physics of the Re/Os clock. I. Resonance analyses and stellar  $(n, \gamma)$  cross sections of  $^{186,187,188}\text{Os}$* , Physical Review C 82 (2010) 015802.
  46. The nTOF collaboration: *Neutron physics of the Re/Os clock. III. Resonance analyses and stellar  $(n, \gamma)$  cross sections of  $^{186,187,188}\text{Os}$* , Physical Review C 82 (2010) 015804.
  47. The nTOF collaboration: *The Neutron-induced fission cross section of  $^{234}\text{U}$  and  $^{237}\text{Np}$  measured at the CERN Neutron Time-of-Flight (nTOF) facility*, Physical Review C 82 (2010) 034601.
  48. K. Zerva, A. Pakou, K. Rusek, N. Patronis, N. Alamanos, X. Aslanoglou, D. Filipescu, T. Glodariu, N. Keeley, M. Kokkoris, M. La Commara, A. Lagoyannis, M. Mazzocco, N. G. Nicolis, D. Pierroutsakou, and M. Romoli: *Probing the potential and reaction coupling effects of  $^{6,7}\text{Li}+^{28}\text{Si}$  at sub- and near-barrier energies with elastic backscattering*, Physical Review C 82 (2010) 044607.
  49. M. Mazzocco, C. Signorini, D. Pierroutsakou, T. Glodariu, A. Boiano, C. Boiano, F. Farinon, P. Figuera, D. Filipescu, L. Fortunato, A. Guglielmetti, G. Inglima, M. La Commara, M. Lattuada, P. Lotti, C. Mazzocchi, P. Molini A. Musumarra, A. Pakou, C. Parascandolo, N. Patronis, M. Romoli, M. Sandoli, V. Scuderi, F. Soramel, L. Stroe, D. Torresi, E. Vardaci and A. Vitturi, *Reaction dynamics for the system  $^{17}\text{F} + ^{58}\text{Ni}$  at near-barrier energies*, Physical Review C 82 (2010) 054604.
  50. K. Wimmer, T. Kroll, R. Krucken, V. Bildstein, R. Gernhauser, B. Bastin, N. Bree, J. Diriken, P. Van Duppen, M. Huyse, N. Patronis, P. Vermaelen, D. Voulot, J. Van de Walle, F. Wenander, L. M. Fraile, R. Chapman, B. Hadinia, R. Orlandi, J. F. Smith, R. Lutter, P. G. Thirolf, M. Labiche, A. Blazhev, M. Kalkuhler, P. Reiter, M. Seidlitz, N. Warr, A. O. Macchiavelli, H. B. Jeppesen, E. Fiori, G. Georgiev, G. Schrieder, S. Das Gupta, G. Lo Bianco, S. Nardelli, J. Butterworth, J. Johansen, and K. Riisager: *Discovery of the shape coexisting  $0^+$  state in  $^{32}\text{Mg}$  by a two neutron transfer reaction*, Physical Review Letters 105 (2010) 252501.
  51. J. Diriken, I. Stefanescu, D. Balabanski, N. Blasi, A. Blazhev, N. Bree, J. Cederkall, T. E. Cocolios, T. Davinson, J. Eberth, A. Ekstrom, D. V. Fedorov, V. N. Fedosseev, L. M. Fraile, S. Franchoo, G. Georgiev, K. Gladnishki, M. Huyse, O. V. Ivanov, V. S. Ivanov, J. Iwanicki, J. Jolie, T. Konstantinopoulos, Th. Kroll, 16, R. Krucken, U. Koster, A. Lagoyannis, G. Lo Bianco, P. Maierbeck, B. A. Marsh, P. Napiorkowski, N. Patronis, D. Pauwels, P. Reiter, M. Seliverstov, G. Sletten, J. Van de Walle, P. Van Duppen, D. Voulot, W. B. Walters, N. Warr,

- F. Wenander, and K. Wrzosek: *Coulomb excitation of  $^{73}\text{Ga}$* , Physical Review C 82 (2010) 064309.
52. A. N. Andreyev, J. Elseviers, M. Huyse, P. Van Duppen, S. Antalic, A. Barzakh, N. Bree, T. E. Cocolios, V. F. Comas, J. Diriken, D. Fedorov, V. Fedosseev, S. Franchoo, J. A. Heredia, O. Ivanov, U. Koster, B. A. Marsh, K. Nishio, R. D. Page, N. Patronis, M. Seliverstov, I. Tsekhanovich, P. Van den Bergh, J. Van De Walle, M. Venhart, S. Vermote, M. Veselsky, C. Wagemans, T. Ichikawa, A. Iwamoto, P. Moller, and A. J. Sierk: *New Type of Asymmetric Fission in Proton-Rich Nuclei*, Physical Review Letters 105 (2010) 252502.
  53. The nTOF collaboration: *Neutron-induced fission cross-section of  $(^{233}\text{U})$  in the energy range  $0.5 < E(n) < 20$  MeV*, Eur. Phys. J. A (2011), DOI: 10.1140/epja/i2011-11002-y
  54. The nTOF collaboration:  *$^{197}\text{Au}(n,\gamma)$  cross section in the unresolved resonance region*, Physical Review C 83 (2011) 034608.
  55. The nTOF collaboration: *Neutron-induced fission cross section of  $^{nat}\text{Pb}$  and  $^{209}\text{Bi}$  from threshold to 1 GeV: An improved parametrization*, Physical Review C 83 (2011) 044620.
  56. The nTOF collaboration: *Neutron capture on  $^{94}\text{Zr}$ : Resonance parameters and Maxwellian-averaged cross sections*, Physical Review C 84 (2011) 015801.
  57. J. Elseviers, A. N. Andreyev, S. Antalic, A. Barzakh, N. Bree, T. E. Cocolios, V. F. Comas, J. Diriken, D. Fedorov, V. N. Fedosseyev, S. Franchoo, J. A. Heredia, M. Huyse, O. Ivanov, U. Koster, B. A. Marsh, R. D. Page, N. Patronis, M. Seliverstov I. Tsekhanovich, P. Van den Bergh, J. Van De Walle, P. Van Duppen, M. Venhart, S. Vermote, M. Veselsk, and C. Wagemans: *Shape coexistence in  $^{180}\text{Hg}$  studied through the  $\beta$ -decay of  $^{180}\text{Tl}$* , Physical Review C 84 (2011) 034307.
  58. The nTOF collaboration: *Fission cross-section measurements of  $^{233}\text{U}$ ,  $^{245}\text{Cm}$  and  $^{241,243}\text{Am}$  at CERN nTOF facility*, Journal of the Korean Physical Society 59 (23) (2011) 1912.
  59. The nTOF collaboration: *Neutron capture measurements on minor actinides at the nTOF facility at CERN: Past, present and future*, Journal of the Korean Physical Society 59 (23) (2011) 1809.
  60. The nTOF collaboration: *High-energy neutron-induced fission cross sections of natural lead and bismuth-209*, Journal of the Korean Physical Society 59 (23) (2011) 1904.
  61. The nTOF collaboration: *Study of photon strength function of actinides: The case of  $^{235}\text{U}$ ,  $^{238}\text{Np}$  and  $^{241}\text{Pu}$* , Journal of the Korean Physical Society 59 (23) (2011) 1510.
  62. The nTOF collaboration:  *$^{237}\text{Np}(n,f)$  cross section: New data and present status*, Journal of the Korean Physical Society 59 (23) (2011) 1908.
  63. The nTOF collaboration: *Measurement of the  $^{236}\text{U}(n,f)$  cross section from 170 meV to 2 MeV at the CERN n-TOF facility*, Physical Review C 84 (2011) 044618.
  64. The nTOF collaboration:  *$^{96}\text{Zr}(n,\gamma)$  measurement at the n-TOF facility at CERN*, Physical Review C 84 (2011) 055802.
  65. E. Rapisarda, I. Stefanescu, D. L. Balabanski, B. Bastin, A. Blazhev, N. Bree, M. Danchev, B. Bruyneel, T. Davinson, P. Delahaye, J. Diriken, J. Eberth, G. Georgiev, D. Fedorov, V. N. Fedosseev, E. Fiori, S. Franchoo, Ch. Fransen, K. Geibel, K. Gladnishki, K. Hadynska, H. Hess, K. Heyde, M. Huyse, O. Ivanov, J. Iwanicki, J. Jolie, M. Kalkuehler, Th. Kröll, R. Krücken, U. Koster, G. Lo Bianco R. Lozeva, B. A. Marsh, S. Nardelli, F. Nowacki, N. Patronis, P. Reiter, M. Seidlitz, K. Sieja, N. Smirnova, J. Srebrny, J. Van de Walle, P. Van Duppen, N. Warr, F. Wenander, K. Wimmer, K. Wrzosek, S. Zemlyanoi, and M. Zielinska: *Coulomb excitation of the 3- isomer in  $^{70}\text{Cu}$* , Physical Review C 84 (2011) 064323.
  66. N. Patronis, A. Pakou, D. Pierroutsakou, A.M. Sanchez-Benitez, L. Acosta, N. Alamanos, A. Boiano, G. Inghima, D. Filipescu, T. Glodariu, A. Guglielmetti, M. La Commara, G. Lalazissis, I. Martel, C. Mazzocchi, M. Mazzocco, P. Molini, C. Parascandolo, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, E. Stiliaris, M. Romoli, A. Trzcinska, K. Zerva,

- E.Vardaci, and A. Vitturi: *Probing the  $^{17}\text{F}+p$  potential by elastic scattering at near barrier energies*, Physical Review C 85 (2012) 024609.
67. The nTOF collaboration: *Measurement and resonance analysis of the  $^{237}\text{Np}$  neutron capture cross section*, Physical Review C 85 (2012) 044616.
68. The nTOF collaboration: *Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications*, Physical Review C 85 (2012) 044615.
69. G. Marquínez-Durán, A.M. Sánchez Benítez, I. Martel, R. Berjillos, J. Dueñas, V.V. Parkar, L. Acosta, K. Rusek, M.A.G. Álvarez, J. Gómez-Camacho, M.J.G. Borge, C. Cruz, M. Cubero, V. Pesudo, O. Tengblad, A. Chbihi, J.P. Fernández-García, B. Fernández-Martínez, J.A. Labrador, A.H. Ziad, J.L. Flores, N. Keeley, L. Standylo, I. Strojek, M. Marques, M. Mazzocco, A. Pakou, N. Patronis, D. Pierroutsakou, R. Silvestri, R. Raabe, N. Soic, R. Wolski: *Scattering of  $^8\text{He}$  on  $^{208}\text{Pb}$  at Energies Around the Coulomb Barrier*, Acta Phys. Polonica B 43 (2012) 239.
70. Vinzenz Bildstein, Roman Gernhauser, Thorsten Kroll, Reiner Krucken, Kathrin Wimmer, Piet Van Duppen, Mark Huyse, Nikolas Patronis, and Riccardo Raabe for the T-REX Collaboration: T-REX: A new setup for transfer experiments at REX-ISOLDE, Eur. Phys. J. A 48 (2012): 85, DOI: 10.1140/epja/i2012-12085-6.
71. The nTOF collaboration: *Measurement of resolved resonances of  $^{232}\text{Th}(n,\gamma)$  at the n-TOF facility at CERN*, Physical Review C 85 (2012) 064801.
72. C. Bauer, T. Behrens, V. Bildstein, A. Blazhev, B. Bruyneel, J. Butterworth, E. Clément, L. Coquard, J. L. Egidio, A. Ekström, C. R. Fitzpatrick, C. Fransen, R. Gernhäuser, D. Habs, H. Hess, J. Leske, T. Kröll, R. Krücken, R. Lutter, P. Marley, T. Möller, T. Otsuka, N. Patronis, A. Petts, N. Pietralla, T. R. Rodríguez, N. Shimizu, C. Stahl, I. Stefanescu, T. Stora, P. G. Thirolf, D. Voulot, J. van de Walle, N. Warr, F. Wenander, and A. Wiens: *Prolate shape of  $^{140}\text{Ba}$  from a first combined Doppler-shift and Coulomb-excitation measurement at the REX-ISOLDE facility*, Physical Review C 86 (2012) 034310.
73. K. Zerva, A. Pakou, N. Patronis, P. Figuera, A. Musumarra, A. Di Pietro, M. Fisichella, T. Glodariu, La Commara, M. Lattuada, M. Mazzocco, M.G. Pellegriti, D. Pierroutsakou, A.M. Sanchez-Benitez, V. Scuderi, E. Strano, and K. Rusek: *Quasi-elastic backscattering of  $^6,7\text{Li}$  on light, medium and heavy targets at near- and sub-barrier energies*, Eur. Phys. J. A 48 (2012): 102, DOI: 10.1140/epja/i2012-12102-x.
74. The nTOF collaboration: *Neutron-induced fission cross section measurement of  $^{233}\text{U}$ ,  $^{241}\text{Am}$  and  $^{243}\text{Am}$  in the energy range  $0.5\text{ MeV} < E_n < 20\text{ MeV}$  at n TOF at CERN*, Physical Scripta T150 (2012) 014005.
75. The nTOF collaboration: *The  $^{93}\text{Zr}(n,\gamma)$  reaction up to 8 keV neutron energy*, Physical Review C 87 (2013) 014622.
76. G. Marquinez-Durán, A.M. Sánchez-Benitez, I. Martel, L. Acosta, K. Rusek, M.A.G. Álvarez, R. Berjillos, M.J.G. Borge, A. Chbihi, C. Cruz, M. Cubero, J.A. Dueñas, J.P. Fernández-García, B. Fernández-Martínez, J.L. Flores, J. Gómez-Camacho, N. Keeley, J.A. Labrador, M. Marqués, A.M. Moro, M. Mazzocco, A. Pakou, V.V. Parkar, N. Patronis, V. Pesudo, D. Pierroutsakou, R. Raabe, R. Silvestri, N. Soic, Ł. Standylo, I. Strojek, O. Tengblad, R. Wolski, A.H. Ziad: *Elastic Scattering of  $^8\text{He} + ^{208}\text{Pb}$  at 22 MeV*, Acta Phys. Polonica B 44, (2013) 467 [conference paper]
77. M. Mazzocco, D. Torresi, N. Fierro, L. Acosta, A. Boiano, C. Boiano, T. Glodariu, A. Guglielmetti, M. La Commara, I. Martel, C. Mazzocchi, P. Molini, A. Pakou, C. Parascandolo, V.V. Parker, N. Patronis, D. Pierroutsakou, M. Romoli, A.M. Sanchez-Benitez, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, E. Stiliaris, E. Strano, L. Stroe, K. Zerva: *Recent Results on Reaction with weakly bound nuclei*, Acta Phys. Polonica B 44, (2013) 437 [conference paper]

78. The nTOF collaboration: Measurement of the neutron-induced fission cross-section of  $^{241}\text{Am}$  at the time-of-flight facility n\_TOF, *Eur. Phys. J. A* 49:2 (2013), DOI 10.1140/epja/i2013-13002-3
79. A. N. Andreyev, V. Liberati, S. Antalic, D. Ackermann, A. Barzakh, N. Bree, T. E. Cocolios, J. Diriken, J. Elseviers, D. Fedorov, V. N. Fedosseev, D. Fink, S. Franchoo, S. Heinz, F. P. Heßberger, S. Hofmann, M. Huyse, O. Ivanov, J. Khuyagbaatar, B. Kindler, U. Koster, J. F. W. Lane, B. Lommel, R. Mann, B. Marsh, P. Molkanov, K. Nishio, R. D. Page, N. Patronis, D. Pauwels, D. Radulov, S. Saro, M. Seliverstov, M. Sjodin, I. Tsekhanovich, P. Van den Bergh, P. Van Duppen, M. Venhart, and M. Veselsky:  $\alpha$ -decay spectroscopy of the chain  $^{179}\text{Tl}g \rightarrow ^{175}\text{Aug} \rightarrow ^{171}\text{Irg} \rightarrow ^{167}\text{Re}^m$ , *Physical Review C* 87 (2013) 054311.
80. N. Warr, J. Van de Walle, M. Albers, F. Ames, B. Bastin, C. Bauer, V. Bildstein, A. Blazhev, S. Bönig, N. Bree, B. Bruyneel, P. A. Butler, J. Cederkäll, E. Clément, T. E. Cocolios, T. Davinson, H. De Witte, P. Delahaye, D. D. DiJulio, J. Diriken, J. Eberth, A. Ekström, J. Elseviers, S. Emhofer, D. V. Fedorov, V. N. Fedosseev, S. Franchoo, C. Fransen, L. P. Gaffney, J. Gerl, G. Georgiev, R. Gernhäuser, T. Grahn, D. Habs, H. Hess, A. M. Hurst, M. Huyse, O. Ivanov, J. Iwanicki, D. G. Jenkins, J. Jolie, N. Kesteloot, O. Kester, U. Köster, M. Krauth, T. Kröll, R. Krücken, M. Lauer, J. Leske, K. P. Lieb, R. Lutter, L. Maier, B. A. Marsh, D. Mücher, M. Münch, O. Niedermaier, J. Pakarinen, M. Pantea, G. Pascovici, N. Patronis, D. Pauwels, A. Petts, N. Pietralla, R. Raabe, E. Rapisarda, P. Reiter, A. Richter, O. Schaile, M. Scheck, H. Scheit, G. Schrieder, D. Schwalm, M. Seidlitz, M. Seliverstov, T. Sieber, H. Simon, K. -H. Speidel, C. Stahl, I. Stefanescu, P. G. Thirolf, H. -G. Thomas, M. Thürauf, P. Van Duppen, D. Voulot, R. Wadsworth, G. Walter, D. Weißhaar, F. Wenander, A. Wiens, K. Wimmer, B. H. Wolf, P. J. Woods, K. Wrzosek-Lipska, K. O. Zell: The Miniball spectrometer, *Eur. Phys. J. A* 49:40 (2013), DOI 10.1140/epja/i2013-13040-9
81. O. Sgouros, V. Soukeras, A. Pakou, N. Patronis, K. Zerva, N. Keeley, I. Strojek, A. Trzcińska, E. Piasecki, K. Rusek, E. Stiliaris, M. Mazzocco: Backward angle structure in the  $^{20}\text{Ne}+^{28}\text{Si}$  quasielastic scattering, *International Journal of Modern Physics E* 22 (2013) 1350073 DOI 10.1142/S0218301313500730
82. J. Elseviers, A. N. Andreyev, M. Huyse, P. Van Duppen, S. Antalic, A. Barzakh, N. Bree, T. E. Cocolios, V. F. Comas, J. Diriken, D. Fedorov, V. N. Fedosseev, S. Franchoo, L. Ghys, J. A. Heredia, O. Ivanov, U. Koster, B. A. Marsh, K. Nishio, R. D. Page, N. Patronis, M. D. Seliverstov, I. Tsekhanovich, P. Van den Bergh, J. Van De Walle, M. Venhart, S. Vermote, M. Veselsky and C. Wagemans:  $\beta$ -delayed fission of  $^{180}\text{Tl}$ , *Physical Review C* 88 (2013) 044321.
83. V. Liberati, A. N. Andreyev, S. Antalic, A. Barzakh, T. E. Cocolios, J. Elseviers, D. Fedorov, V. N. Fedosseev, M. Huyse, D. T. Joss, Z. Kalaninova, U. Koster, J. F. W. Lane, B. Marsh, D. Mengoni, P. Molkanov, K. Nishio, R. D. Page, N. Patronis, D. Pauwels, D. Radulov, M. Seliverstov, M. Sjodin, I. Tsekhanovich, P. Van den Bergh, P. Van Duppen, M. Venhart, and M. Veselsky:  $\beta$ -delayed fission and  $\alpha$  decay of  $^{178}\text{Tl}$ , *Physical Review C* 88 (2013) 044322.
84. V. Paneta, X. Aslanoglou, M. Axiotis, P. Gastis, M. Kokkoris, A. Lagoyannis, P. Misaelides, N. Patronis, R. Vlastou: Study of the  $^{24}\text{Mg}(d,p0,1,2)$  reactions at energies and angles relevant to NRA, *Nuclear Instruments and Methods B*, 319 (2014) 34-38.
85. M. Mazzocco, D. Torresi, L. Acosta, A. Boiano, C. Boiano, N. Fierro, T. Glodariu, A. Guglielmetti, N. Keeley, M. La Commara, I. Martel, C. Mazzocchi, P. Molini, A. Pakou, C. Parascandolo, V.V. Parkar, N. Patronis, D. Pierroutsakou, M. Romoli, K. Rusek, A.M. Sanchez-Benitez, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, E. Stiliaris, E. Strano, L. Stroe, K. Zerva: Direct and Compound Nucleus Reactions for the System  $^7\text{Be} + ^{58}\text{Ni}$  at Near-barrier Energies, *Acta Phys. Polonica B* 45, (2014) 363 [conference paper]

86. The nTOF collaboration: Neutron-induced fission cross section of U-234 measured at the CERN n-TOF facility, *Physical Review C* 89 (2014) 044606.
87. N. Bree, K. Wrzosek-Lipska, A. Petts, A. Andreyev, B. Bastin, M. Bender, A. Blazhev, B. Bruyneel, P. A. Butler, J. Butterworth, M. P. Carpenter, J. Cederkäll, E. Clément, T. E. Cocolios<sup>1</sup>, A. Deacon, J. Diriken, A. Ekström, C. Fitzpatrick, L. M. Fraile, Ch. Fransen, S. J. Freeman, L. P. Gaffney, J. E. García-Ramos, K. Geibel, R. Gernhäuser, T. Grahn, M. Guttormsen, B. Hadinia, K. Hadyńska-Kle, M. Hass, P.-H. Heenen, R.-D. Herzberg, H. Hess, K. Heyde, M. Huyse, O. Ivanov, D. G. Jenkins, R. Julin, N. Kesteloot, Th. Kröll, R. Krücken, A. C. Larsen, R. Lutter, P. Marley, P. J. Napiorkowski, R. Orlandi, R. D. Page, J. Pakarinen, N. Patronis, P. J. Peura, E. Piselli, P. Rahkila, E. Rapisarda, P. Reiter, A. P. Robinson, M. Scheck, S. Siem, K. Singh Chakkal, J. F. Smith, J. Srebrny, I. Stefanescu, G. M. Tveten, P. Van Duppen, J. Van de Walle, D. Voulot, N. Warr, F. Wenander, A. Wiens, J. L. Wood, and M. Zielińska: Shape coexistence in the neutron-deficient even-even Hg 182-188 isotopes studied via coulomb excitation, *Physical Review Letters* 112 (2014) 162701.
88. J. Diriken, N. Patronis, A.N. Andreyev, S. Antalic, V. Bildstein, A. Blazhev, I.G. Darby, H. De Witte, J. Eberth, J. Elseviers, V.N. Fedosseev, F. Flavigny, Ch. Fransen, G. Georgiev, R. Gernhäuser, H. Hess, M. Huyse, J. Jolie, Th. Kröll, R. Krücken, R. Lutter, B.A. Marsh, T. Mertzimekis, D. Muecher, F. Nowacki, R. Orlandi, A. Pakou, R. Raabe, G. Randisi, P. Reiter, T. Roger, M. Seidlitz, M. Seliverstov, K. Sieja, C. Sotty, H. Tornqvist, J. Van De Walle, P. Van Duppen, D. Voulot, N. Warr, F. Wenander, K. Wimmer: Study of the deformation-driving  $vd_{5/2}$  orbital in  $^{67}\text{Ni}$  using one-neutron transfer reactions, *Physics Letters B* 736 (2014) 533-538.
89. The nTOF collaboration: Measurement and analysis of the Am 243 neutron capture cross section at the n-TOF facility at CERN, *Physical Review C* 90 (2014) 034608.
90. N. Patronis, X. Aslanoglou, M. Axiotis, A. Georgiadou, M. Kokkoris, A. Lagoyannis, P. Misaelides, V. Paneta: Study of  $^{nat}\text{Mg}(d,d_0)$  reaction at detector angles between  $90^\circ$  and  $170^\circ$ , for the energy range  $E_{d,lab}=1660\text{--}1990$  keV, *Nuclear Instruments and Methods B*, 337 (2014) 97-101.
91. A. Lagoyannis, K. Preketes-Sigalas, M. Axiotis, V. Foteinou, S. Harissopoulos, M. Kokkoris, P. Misaelides, V. Paneta, N. Patronis: Study of the  $^{10}\text{B}(p,\alpha\gamma)^7\text{Be}$  and  $^{10}\text{B}(p,p'\gamma)^{10}\text{B}$  reactions for PIGE purposes, *Nuclear Instruments and Methods B*, 342 (2015) 271-276.
92. D. Torresi, M. Mazzocco, L. Acosta, A. Boiano, C. Boiano, A. Diaz-Torres, N. Fierro, T. Glodariu, L. Grilj, A. Guglielmetti, N. Keeley, M. La Commara, I. Martel, C. Mazzocchi, P. Molini, A. Pakou, C. Parascandolo, V. V. Parkar, N. Patronis, D. Pierroutsakou, M. Romoli, K. Rusek, A. M. Sanchez-Benitez, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, E. Stiliaris, E. Strano, L. Stroe, and K. Zerva: Reaction dynamics studies for the system  $^7\text{Be}+^{58}\text{Ni}$ , *Journal of Physics: Conference Series* 590 (2015) 012057 [conference paper]
93. The nTOF collaboration: High-accuracy determination of the  $^{238}\text{U}/^{235}\text{U}$  fission cross section ratio up to  $\approx 1$  GeV at n\_TOF at CERN, *Physical Review C* 91 (2015) 024602.
94. J. Diriken, N. Patronis, A.N. Andreyev, S. Antalic, V. Bildstein, A. Blazhev, I.G. Darby, H. De Witte, J. Eberth, J. Elseviers, V.N. Fedosseev, F. Flavigny, Ch. Fransen, G. Georgiev, R. Gernhäuser, H. Hess, M. Huyse, J. Jolie, Th. Kröll, R. Krücken, R. Lutter, B.A. Marsh, T. Mertzimekis, D. Muecher, F. Nowacki, R. Orlandi, A. Pakou, R. Raabe, G. Randisi, P. Reiter, T. Roger, M. Seidlitz, M. Seliverstov, C. Sotty, H. Tornqvist, J. Van De Walle, P. Van Duppen, D. Voulot, N. Warr, F. Wenander, K. Wimmer: Experimental study of the  $^{66}\text{Ni}(d,p)^{67}\text{Ni}$  one-neutron transfer reaction, *Physical Review C* 91 (2015) 054321.
95. The nTOF collaboration: The new vertical neutron beam line at the CERN n\_TOF facility design and outlook on the performance, *Nuclear Instruments and Methods A*, 799 (2015) 90-98.



96. A. Kalamara, R. Vlastou, M. Kokkoris, M. Diakaki, 1, A. Tsinganis, N. Patronis, M. Axiotis, and A. Lagoyannis: Investigation of the  $^{241}\text{Am}(n,2n)^{240}\text{Am}$  cross section, *Physical Review C* 93 (2016) 014610.
97. The nTOF collaboration: Neutron-induced fission cross section of  $^{237}\text{Np}$  in the keV to MeV range at the CERN n TOF facility, *Physical Review C* 93 (2016) 034614.
98. G. Marquínez-Durán, A.M. Sánchez-Benítez, I. Martel, L. Acosta, K. Rusek, M.A.G. Álvarez, R. Berjillos, M.J.G. Borge, A. Chbihi, C. Cruz, M. Cubero, J.A. Dueñas, J.P. Fernández-García, B. Fernández-Martínez, J.L. Flores, J. Gómez-Camacho, Keeley N., J.A. Labrador, M. Marqués, A.M. Moro, M. Mazzocco, A. Pakou, V.V. Parkar, N. Patronis, V. Pseudo, D. Pierroutsakou, R. Raabe, R. Silvestri, N. Soic, Ł. Standyło, I. Strojek, O. Tengblad, R. Wolski, A.H. Ziad: Study of the near barrier scattering of  $^8\text{He}$  on  $^{208}\text{Pb}$ , *Acta Phys. Polonica B* 47, (2016) 841 [conference paper]
99. M. Diakaki, A. Kalamara, M. Kokkoris, G. Marangouli, A. Tsinganis, :A. Panagiotopoulos, R. Vlastou, E. Berthoumieux, A. Lagoyannis, M. Axiotis, N. Patronis: Measurement of the  $^{236}\text{U}(n,f)$  cross section with the micromegas detector, *Acta Phys. Polonica B* 47, (2016) 789 [conference paper]
100. The nTOF collaboration: Experimental setup and procedure for the measurement of the  $^7\text{Be}(n,\alpha)\alpha$  reaction at n-TOF, *Nuclear Instruments and Methods A*, 830 (2016) 197-205.
101. The nTOF collaboration: $^7\text{Be}(n;\alpha)^4\text{He}$  Reaction and the Cosmological Lithium Problem: Measurement of the Cross Section in a Wide Energy Range at n\_TOF at CERN, *Physical Review Letters* 117, 152701 (2016)
102. The nTOF collaboration: Nuclear data activities at the n TOF facility at CERN, *Eur. Phys. J. Plus*, 131, 371 (2016)
103. G. Marquínez-Durán, I. Martel,, A.M. Sánchez-Benítez, L. Acosta, R. Berjillos, J. Dueñas, K. Rusek, N. Keeley, M.A.G. Álvarez, M.J.G. Borge, A. Chbihi, C. Cruz, M. Cubero, J.P. Fernández-García, B. Fernández-Martínez, J.L. Flores, J. Gómez-Camacho, J.A. Labrador, M. Marqués, A.M. Moro, M. Mazzocco, A. Pakou, V.V. Parkar, N. Patronis, V. Pseudo, D. Pierroutsakou, R. Raabe, R. Silvestri, N. Soic, Ł. Standyło, I. Strojek, O. Tengblad, R. Wolski, Z. Abou-Haidar: Precise measurement of near-barrier  $^8\text{He} + ^{208}\text{Pb}$  elastic scattering: Comparison with  $^6\text{He}$ , *Physical Review C* 94 (2016) 064618.
104. V. Foteinou, G. Provas, X. Aslanoglou, M. Axiotis, S. Harissopoulos, M. Kokkoris A. Lagoyannis, P. Misaelides, E. Ntemou, N. Patronis, K. Preketes-Sigalas: Differential cross section measurements of the  $^{19}\text{F}(d,d_0)$  elastic scattering for Ion Beam Analysis purposes, *Nuclear Instruments and Methods B*, 396 (2017) 1-4.
105. E. Ntemou, X. Aslanoglou, M. Axiotis, V. Foteinou, M. Kokkoris A. Lagoyannis, P. Misaelides, N. Patronis, K. Preketes-Sigalas, G. Provas, R. Vlastou: Measurement of the differential cross sections of  $^6\text{Li}(d,d_0)$  for Ion Beam Analysis purposes, *Nuclear Instruments and Methods B*, 407 (2017) 34-39.
106. The nTOF collaboration: High accuracy determination of neutron flux in the new experimental area nTOF-EAR2 at CERN, *Eur. Phys. J. A*, 53, 210 (2017)
107. M. Kokkoris, X. Aslanoglou, M. Axiotis, A. Lagoyannis, P. Misaelides, E. Ntemou, N. Patronis, K. Preketes-Sigalas, P. Tsintari: Differential cross-section measurements for deuteron elastic scattering on  $^{nat}\text{N}$ , suitable for EBS, *Nuclear Instruments and Methods B*, 410 (2017) 29-36.
108. B. Andel, A. N. Andreyev, S. Antalic, A. Barzakh, N. Bree, T. E. Cocolios, V. F. Comas, J. Diriken, J. Elseviers, D. V. Fedorov, V. N. Fedosseev, S. Franchoo, L. Ghys, J. A. Heredia, M. Huysse, O. Ivanov, U. Köster, V. Liberati, B. A. Marsh, K. Nishio, R. D. Page, N. Patronis, M. D. Seliverstov, I. Tsekhanovich, P. Van den Bergh, J. Van De Walle, P. Van Duppen, M. Venhart, S. Vermote, M. Veselský and C. Wagemans: Detailed  $\alpha$ -decay study of  $^{180}\text{Tl}$ ,

- Physical Review C 96 (2017) 054327.
109. K. Preketes-Sigalas, E. Ntemou, M. Kokkoris, X. Aslanoglou, M. Axiotis, V. Foteinou, S. Harissopoulos, A. Lagoyannis, P. Misaelides, N. Patronis, G. Provatas: Differential cross-section measurements of the elastic  ${}^7\text{Li}(d,d0)$  scattering for analytical purposes, *Nuclear Instruments and Methods B*, 414 (2018) 99-103.
  110. The nTOF collaboration: Radiative neutron capture on  ${}^{242}\text{Pu}$  in the resonance region at the CERN n\_TOF-EAR1 facility, *Physical Review C* 97 (2018) 024605.
  111. A. Kalamara, R. Vlastou, M. Kokkoris, N.G. Nicolis, N. Patronis, M. Serris, V. Michalopoulou, A. Stamatopoulos, A. Lagoyannis, S. Harissopoulos:  ${}^{197}\text{Au}(n,2n)$  reaction cross section in the 15-21 MeV energy range, *Physical Review C* 97 (2018) 034615.
  112. The nTOF collaboration: Experimental setup and procedure for the measurement of the  ${}^7\text{Be}(n,p){}^7\text{Li}$  reaction at n\_TOF, *Nuclear Instruments and Methods A*, 887 (2018) 27-33.
  113. The nTOF collaboration:  ${}^7\text{Be}(n,p){}^7\text{Li}$  Reaction and the Cosmological Lithium Problem: Measurement of the Cross Section in a Wide Energy Range at n-TOF at CERN, *Physical Review Letters* 121 (2018) 042701.
  114. E. Georgali, Z. Eleme, N. Patronis, X. Aslanoglou, M. Axiotis, M. Diakaki, V. Foteinou, S. Harissopoulos, A. Kalamara, M. Kokkoris, A. Lagoyannis, N.G. Nicolis, G. Provatas, A. Stamatopoulos, S. Stoulos, A. Tsinganis, E. Vagena, R. Vlastou, S.M. Vogiatzi: The  $(n,2n)$  reaction for the lightest stable erbium isotope  ${}^{162}\text{Er}$  from reaction threshold up to 19 MeV, *Physical Review C* 98 (2018) 014622.
  115. A. Kalamara, R. Vlastou, M. Kokkoris, S. Chasapoglou, A. Stamatopoulos, N. Patronis, M. Serris, A. Lagoyannis, and S. Harissopoulos:  ${}^{191}\text{Ir}(n, 2n)$  and  ${}^{191}\text{Ir}(n, 3n)$  reaction cross sections in the 15–21 MeV energy range, *Physical Review C* 98 (2018) 034607.
  116. G. Marquínez-Durán, I. Martel, A. M. Sánchez-Benítez, L. Acosta, J. L. Aguado, R. Berjillos, A. R. Pinto, T. García, J. A. Dueñas, K. Rusek, N. Keeley, K. W. Kemper, M. A. G. Álvarez, M. J. G. Borge, A. Chbihi, C. Cruz, M. Cubero, J. P. Fernández-García, B. Fernández-Martínez, J. L. Flores, J. Gómez-Camacho, J. A. Labrador, F. M. Marqués, A. M. Moro, M. Mazzocco, A. Pakou, V. V. Parkar, N. Patronis, V. Pseudo, D. Pierroutsakou, R. Raabe, R. Silvestri, N. Soić, Ł. Standyło, I. Strojek, O. Tengblad, R. Wolski, and Z. Abou-Haidar: Interaction of  ${}^8\text{He}$  with  ${}^{208}\text{Pb}$  at near-barrier energies:  ${}^4\text{He}$  and  ${}^6\text{He}$  production, *Physical Review C* 98 (2018) 034615.
  117. E. Ntemou, X. Aslanoglou, M. Axiotis, M. Kokkoris, A. Lagoyannis, P. Misaelides, N. Patronis, K. Preketes-Sigalas, P. Tsintari: Differential cross-section measurements for deuteron elastic scattering on  ${}^{\text{nat}}\text{Si}$  for elastic backscattering purposes, *Nuclear Instruments and Methods B*, 450 (2019) 24-30.
  118. The nTOF collaboration: Cross section measurements of  ${}^{155,157}\text{Gd}(n,)$  induced by thermal and epithermal neutrons, *Eur. Phys. J. A* 55, 9, (2019)
  119. F. Flavigny, J. Elseviers, A. N. Andreyev, C. Bauer, V. Bildstein, A. Blazhev, B. A. Brown, H. De Witte, J. Diriken, V. N. Fedosseev, S. Franchoo, R. Gernhäuser, M. Huysse, S. Ilieva, S. Klupp, Th. Kröll, R. Lutter, B. A. Marsh, D. Mücher, K. Nowak, T. Otsuka, J. Pakarinen, N. Patronis, R. Raabe, F. Recchia, P. Reiter, T. Roger, S. Sambhi, M. Seidlitz, M. D. Seliverstov, B. Siebeck, Y. Tsunoda, P. Van Duppen, M. Vermeulen, M. Von Schmid, D. Voulot, N. Warr, F. Wenander, and K. Wimmer: Microscopic structure of coexisting  $0^+$  states in  ${}^{68}\text{Ni}$  probed via two-neutron transfer, *Physical Review C* 99 (2019) 054332.
  120. A. Stamatopoulos a, M. Diakaki, A. Tsinganis, N. Colonna, F. Gunsing, L. Tassan-Got, M. Kokkoris, A. Kalamara, P. Žugec, N. Patronis, M. Sabate-Gilarte, R. Vlastou, The n\_TOF Collaboration, An alternative methodology for high counting-loss corrections in neutron time-of-flight measurements, *Nuclear Instruments and Methods A*, 913 (2019) 40-47.
  121. The nTOF collaboration: Measurement of  ${}^{73}\text{Ge}(n,\gamma)$  cross sections and implications for

- stellar nucleosynthesis, *Physics Letters B*, 790 (2019), 458-465.
122. The nTOF collaboration: Measurement of the  $^{235}\text{U}(n, f)$  cross section relative to the  $^6\text{Li}(n, t)$  and  $^{10}\text{B}(n, \alpha)$  standards from thermal to 170 keV neutron energy range at n\_TOF, *European Physical Journal A*, 55:120 (2019)
  123. M. Kokkoris, X. Aslanoglou, M. Axiotis, A. Lagoyannis, K. Michalakis, P. Misaelides, E. Ntemou, N. Patronis, K. Preketes-Sigalas, P. Tsintari: Study of differential cross-sections of the  $^{14}\text{N}(d, \alpha_0, p_0, \alpha_1)$  reactions suitable for NRA, *Nuclear Instruments and Methods B*, 450 (2019) 31-36.
  124. F. Flavigny, J. Elseviers, A.N. Andreyev, C. Bauer, V. Bildstein, A., Blazhev, B.A. Brown, H. De Witte, J. Diriken, V.N. Fedosseev, S. Franchoo, R. Gernhäuser, M. Huyse, S. Ilieva, S. Klupp, T. Kröll, R. Lutter, B.A. Marsh, D. Mücher, K. Nowak, T. Otsuka, J. Pakarinen, N. Patronis, R. Raabe, F. Recchia, P. Reiter, T. Roger, S. Sambhi, M. Seidlitz, M.D. Seliverstov, B. Siebeck, Y. Tsunoda, P. Van Duppen, M. Vermeulen, M. Von Schmid, D. Voulot, N. Warr, F. Wenander, K. Wimmer: Microscopic structure of coexisting  $0^+$  states in Ni 68 probed via two-neutron transfer, *Physics Review C* 99 (2019) 054332.
  125. Wrzosek-Lipska, K., Rezyunkina, K., Bree, N., Zielińska, M., Gaffney, L.P., Petts, A., Andreyev, A., Bastin, B., Bender, M., Blazhev, A., Bruyneel, B., Butler, P.A., Carpenter, M.P., Cederkäll, J., Clément, E., Cocolios, T.E., Deacon, A.N., Diriken, J., Ekström, A., Fitzpatrick, C., Fraile, L.M., Fransen, C., Freeman, S.J., García-Ramos, J.E., Geibel, K., Gernhäuser, R., Grahn, T., Guttormsen, M., Hadinia, B., Hadyńska-Klęk, K., Hass, M., Heenen, P.-H., Herzberg, R.-D., Hess, H., Heyde, K., Huyse, M., Ivanov, O., Jenkins, D.G., Julin, R., Kesteloot, N., Kröll, T., Krücken, R., Larsen, A.C., Lutter, R., Marley, P., Napiorkowski, P.J., Orlandi, R., Page, R.D., Pakarinen, J., Patronis, N., Peura, P.J., Piselli, E., Próchniak, L., Rahkila, P., Rapisarda, E., Reiter, P., Robinson, A.P., Scheck, M., Siem, S., Singh Chakkal, K., Smith, J.F., Srebrny, J., Stefanescu, I., Tveten, G.M., Van Duppen, P., Van de Walle, J., Voulot, D., Warr, N., Wiens, A., Wood, J.L.: Electromagnetic properties of low-lying states in neutron-deficient Hg isotopes: Coulomb excitation of  $^{182}\text{Hg}$ ,  $^{184}\text{Hg}$ ,  $^{186}\text{Hg}$  and  $^{188}\text{Hg}$ , *European Physical Journal A*, 55: 130, (2019)
  126. The nTOF collaboration: Measurement of the Ge 70 (n, $\gamma$ ) cross section up to 300 keV at the CERN n-TOF facility, *Physical Review C* 100 (2019), 045804.
  127. E. Ntemou, N. Bligoura, X. Aslanoglou, M. Axiotis, M. Kokkoris, A. Lagoyannis, F. Maragos, P. Misaelides, N. Patronis, K. Preketes-Sigalas: Measurement of differential cross sections of deuteron elastic scattering on  $^{31}\text{P}$  for EBS purposes, *Nuclear Instruments and Methods B*, 459 (2019) 84-89.
  128. E. Ntemou, X. Aslanoglou, N. Bligoura, C. Jeynes, M. Kokkoris, A. Lagoyannis, P. Misaelides, N. Patronis, K. Preketes-Sigalas: Differential elastic backscattering cross-sections of the 1–2.4 MeV deuterons on sodium, *Nuclear Instruments and Methods B*, 461 (2019) 124-129.
  129. N. Colonna, A. Tsinganis, R. Vlastou, N. Patronis, M. Diakaki, S. Amaducci, M. Barbagallo, S. Bennett, E. Berthoumieux, M. Bacak, G. Cosentino, S. Cristallo, P. Finocchiaro, J. Heyse, D. Lewis, A. Manna, C. Massimi, E. Mendoza, M. Mirea, A. Moens, R. Nolte, E. Pirovano, M. Sabaté-Gilarte, G. Sibbens, A. G. Smith, N. Sosnin, A. Stamatopoulos, D. Tarrío, L. Tassan-Got, D. Vanleeuw, A. Ventura, D. Vescovi, T. Wright, P. Žugec, the n\_TOF Collaboration: The fission experimental programme at the CERN n\_TOF facility: status and perspectives, *Eur. Phys. J. A.*, 56(2) (2020) 48.
  130. E. Vagena, E.G. Androutaki, M. Kokkoris, N. Patronis, M. E. Stamati: A comparative study of stopping power calculations implemented in Monte Carlo codes and compilations with experimental data, *Nuclear Instruments and Methods B*, 467 (2020) 44-52.
  131. The nTOF collaboration: Measurement of the  $^{154}\text{Gd}(n, \gamma)$  cross section and its

- astrophysical implications, *Physics Letters B*, 804 (2020), 135405.
132. The nTOF collaboration: Investigation of the Pu240 (n,f) reaction at the n\_TOF/EAR2 facility in the 9 meV-6 MeV range, *Physical Review C* 102 (2020), 014616.
  133. The nTOF collaboration: A compact fission detector for fission-tagging neutron capture experiments with radioactive fissile isotopes, *Nuclear Instruments and Methods A*, 969 (2020) 163981.
  134. E. Georgali, N. Patronis, A. Anastasiadis, X. Aslanoglou, M. Axiotis, Z. Eleme, S. Harissopoulos, A. Kalamara, K. Karfopoulos, M. Kokkoris, A. Lagoyannis, M. Peoviti, C. Potiriadis, M. I. Savva, I. E. Stamatelatos, M. E. Stamati, A. Stamatopoulos, E. Vagena, T. Vasilopoulou, and R. Vlastou: Experimental study of the  $^{165}\text{Ho}(n,2n)$  reaction: Cross section measurements for the population of the  $^{164}\text{Ho}$  ground state and isomeric state from the threshold up to 20 MeV, *Physical Review C* 102 (2020), 034610.
  135. The nTOF collaboration: Neutron Capture on the s-Process Branching Point Tm 171 via Time-of-Flight and Activation, *Physical Review Letters* 125 (2020) 142701.
  136. E.Georgali, N.Patronis.A. Anastasiadis, M.Axiotis, S.Harissopoulos, K.Karfopoulos, M.Kokkoris, A.Lagoyannis, C.Potiriadis, R.Vlastou: Using GEANT4 Monte Carlo simulations to resolve low energy  $\gamma$ -ray spectra: The study of  $^{164}\text{Ho}^{g+m}$  decay using a broad energy HPGe detector, *Nuclear Instruments and Methods A*, 985 (2021) 164711.
  137. The nTOF collaboration: Measurement of the  $^{72}\text{Ge}(n,\gamma)$  cross section over a wide neutron energy range at the CERN n\_TOF facility, *Physical Review C* 103 (2021), 045809.
  138. The nTOF collaboration: Radiative neutron capture cross-section measurement of Ge isotopes at n\_TOF CERN facility and its importance for stellar nucleosynthesis, *Acta Phys. Polonica A* 139, (2021) 383 [conference paper]
  139. The nTOF collaboration: Imaging neutron capture cross sections: i-TED proof-of-concept and future prospects based on Machine-Learning techniques, *European Physical Journal A*, 57(6): 197, (2021)
  140. The nTOF collaboration: First results of the  $^{140}\text{Ce}(N,\gamma)^{141}\text{Ce}$  cross-section measurement at n\_tof, *Universe*, 7 (2021), 200.
  141. The nTOF collaboration: Destruction of the cosmic  $\gamma$ -ray emitter Al-26 in massive stars: Study of the key Al-26 (n,p) reaction, *Physical Review C* 104(2) (2021), L022803.
  142. The nTOF collaboration: Destruction of the cosmic  $\gamma$ -ray emitter Al-26 in massive stars: Study of the key Al-26 (n, $\alpha$ ) reaction, *Physical Review C* 104(3) (2021), L032803.
  143. The nTOF collaboration: Measurement of the  $^{76}\text{Ge}(n,\gamma)$  cross section at the n\_TOF facility at CERN, *Physical Review C* 104 (2021), 044610.
  144. V. Michalopoulou, M. Axiotis, S. Chasapoglou, Z. Eleme, G. Gkatis, A. Kalamara, M. Kokkoris, A. Lagoyannis, N. Patronis, A. Stamatopoulos, A. Tsantiri, R. Vlastou: Measurement of the  $^{232}\text{Th}(n,f)$  cross section with quasi-monoenergetic neutron beams in the energy range 2–18 MeV, *The European Physical Journal A*, (2021), 57, 9, (277), 10.1140/epja/s10050-021-00590-w) & Erratum *European Physical Journal A*, 57, (2021), 306
  145. F. Maragkos. N. Dimitrakopoulos, E. Georgali, M. Kokkoris. A. Lagogiannis, E. Ntemou, N. Patronis, Th. Tsakiris, A. Ziagkova: Differential cross-section measurements for proton elastic scattering on  $^{nat}\text{Si}$  in the energy range  $E_{p,\text{lab}} = 3\text{--}5$  MeV, suitable for EBS, *Nuclear Instruments and Methods B*, 507 (2021) 20-26.
  146. E. Georgali, N. Patronis, A. Anastasiadis, X. Aslanoglou, M. Axiotis, S. Chasapoglou, Z. Eleme, S. Harissopoulos, A. Kalamara, M. Kokkoris, A. Lagoyannis, E. Mitsi: *Physical Review C* 104 (2021), A160.

## Publications in Conference Proceedings

1. C.A. Papachristodoulou, P.A. Assimakopoulos, N.E. Patronis and K.G. Ioannides: Use of HPGe gamma-ray spectroscopy to assess the isotopic composition of U in soil samples from Kosovo. Expert Meeting on Depleted Uranium in Kosovo: Radiation Protection, Public Health and Environmental Aspects”, Bad Honnef, Germany, 19-22 June, 2001
2. D. Karamanis, S. Andriamonje, P. Assimakopoulos, G. Doukellis, D. Karademos, A. Karydas, M. Kokkoris, S. Kossiodides, N. Nicolis, A. Pakou, C. Papachristodoulou, C. Papadopoulos, N. Patronis, P. Pavlopoulos, G. Perdikakis, R. Vlastou for the APC Consortium and the n-TOF collaboration: Statistical model calculations of the  $^{232}\text{Th}(n, 2n)$  reaction. “12th Symposium of the Hellenic Nuclear Physics Society”, NCSR “Demokritos”, Athens, 10-11/5/02.
3. D. Karamanis, P. Assimakopoulos, G. Doukelis, D. Karademos, A. Karydas, M. Kokkoris, S. Kossionides, N. Nicolis, A. Pakou, C. Papachristodoulou, N. Patronis, P. Pavlopoulos, G. Perdikakis and R. Vlastou. Neutron cross section measurements in the Th-U cycle by the activation method. Symposium on Radiation Measurements and Applications, Ann Arbor, Michigan, USA, 21-23 May, 2002
4. N. Patronis, P. A. Assimakopoulos, S. Dababneh, M. Heil, F. Käppeler, D. Karamanis and R. Plag: The  $^{135}\text{Cs}(n,\gamma)$  cross section at 30 and 500 keV. n\_TOF Winter School on Astrophysics, ADS and first results, Les Houches, Ecole de Physique, France, 24-28 February 2003
5. Saed Dababneh, Panayotis A. Assimakopoulos, Sotirios Harissopoulos, Michael Heil, Franz Käppeler, Dimitrios Karamanis, Nikolas Patronis und Ralf Plag: The  $^{135}\text{Cs}(n,\gamma)$  cross section at 30, 200, and 500 keV, Deutsche Physikalische Gesellschaft e. V. (DPG) - Hadronen und Kerne, Universität Tübingen, Germany, 17-21 March 2003
6. P.A. Assimakopoulos, D. T. Karamanis, S. Kossionidis, C. Papachristodoulou, and N. Patronis: Proposed measurement of the n+n cross section at the n\_TOF facility. n\_TOF Winter School on Astrophysics, ADS and first results, Les Houches, Ecole de Physique, France, 24-28 February 2003
7. N. Patronis, P. A. Assimakopoulos, D. Karamanis, F. K Käppeler, S. Dababneh, M. Heil, R. Plag, and P.E. Koehler: The  $^{135}\text{Cs}(n,\gamma)$  cross section at 30 and 500 keV. “13th Symposium of the Hellenic Nuclear Physics Society”, University of Ioannina, Ioannina, 30-31/5/03.
8. D. Karadimos, P. Assimakopoulos, K. Ioannides, N. Tsagas, P. Pavlopoulos, D. Karamanis, N. Patronis, K. Stamoulis, D. Cano Ott, V. Vlachoudis, P. Cennini, V. Ketlerov, V. Konovalov and L. Zanini (For the n\_TOF collaboration):  $^{234}\text{U}(n,f)$ ,  $^{235}\text{U}(n,f)$  and  $^{238}\text{U}(n,f)$  cross section measurements with the FIC detector. “13th Symposium of the Hellenic Nuclear Physics Society”, University of Ioannina, Ioannina, 30-31/5/03.
9. A. Pakou, N. Patronis, N. Alamanos, G. Doukelis, G. Kalyva, M. Kokkoris, S. Kossionides, A. Lagoyannis, A. Musumarra, N. G. Nicolis, G. Perdikakis, D. Pierroutsakou, E. C. Pollacco, K. Rusek and Ch. Zarkadas: Exclusive breakup of  $^6\text{Li}$  on a  $^{28}\text{Si}$  target at near – barrier energies. “14th Symposium of the Hellenic Nuclear Physics Society”, School of Applied Mathematics and Natural Sciences, National Technical University of Athens, Athens, 21-22/5/04.
10. G. Perdikakis, C. T. Papadopoulos, R. Vlastou, A. Lagoyannis, A. Spyrou, M. Kokkoris, N. Patronis, D. Karamanis, Ch. Zarkadas, Y. Kalyva, P. Katsaroumpas, C. Kalfas, and S. Kossionides: Measurement of the  $^{241}\text{Am}(n,2n)$  cross section by the activation method. “14th Symposium of the Hellenic Nuclear Physics Society”, School of Applied

Mathematics and Natural Sciences, National Technical University of Athens, Athens, 21-22/5/04.

11. The n\_TOF Collaboration: Measurement of Capture Cross Sections of  $^{90,91,92,94,96}\text{Zr}$  Isotopes at n\_TOF. "International Conference on Nuclear Data For Science and Technology", Santa Fe, New Mexico 26 Spetember – 1 October 2004.
12. The n\_TOF Collaboration: The n\_TOF Facility at CERN: Performances and First Physics Results. "International Conference on Nuclear Data For Science and Technology", Santa Fe, New Mexico 26 Spetember – 1 October 2004.
13. The n\_TOF Collaboration: New Measurement of the Capture Cross Section of Bismuth and Lead Isotopes. "International Conference on Nuclear Data For Science and Technology", Santa Fe, New Mexico 26 Spetember – 1 October 2004.
14. The n\_TOF Collaboration: Measurement of the  $^{232}\text{Th}$  Neutron Capture Cross Section at the CERN n\_TOF Facility. "International Conference on Nuclear Data For Science and Technology", Santa Fe, New Mexico 26 Spetember – 1 October 2004.
15. The n\_TOF Collaboration: Measurements at n\_TOF of the Neutron Capture Cross Section of Minor Actinides Relevant to the Nuclear Waste Transmutation. "International Conference on Nuclear Data For Science and Technology", Santa Fe, New Mexico 26 Spetember – 1 October 2004.
16. The n\_TOF Collaboration: Neutron Capture Cross Sections for the Re/Os Clock. "International Conference on Nuclear Data For Science and Technology", Santa Fe, New Mexico 26 Spetember – 1 October 2004.
17. The n\_TOF Collaboration: High-Resolution Study of  $^{237}\text{Np}$  Fission Cross Section from 5 eV to 1 MeV. "International Conference on Nuclear Data For Science and Technology", Santa Fe, New Mexico 26 Spetember – 1 October 2004.
18. R. Reifarh, U. Besserer, S. Dababneh, L. Dörr, J. Görres, R. C. Haight, M. Heil, F. Käppeler, A. Mengoni, S. O'Brien, N. Patronis, R. Plag, R. S. Rundberg, M. Wiescher, and J. B. Wilhelmy: Stellar neutron capture rates of  $^{14}\text{C}$ , "the Nuclei in the Cosmos VIII" - TRIUMF - Canada's National Laboratory for Particle and Nuclear Physics, Canada, Vancouver, 19-23/7/04.
19. The n\_TOF Collaboration: Measurement of the resonance capture cross section of  $^{204,206}\text{Pb}$  and termination of the s-process, "Capture Gamma Ray Spectroscopy and Related Topics (cgs12)" Notre Dame, Indiana, USA, 4-9 September, 2005.
20. The n\_TOF Collaboration: Measurement of  $^{139}\text{La}(n,\gamma)$  Cross Section, "Capture Gamma Ray Spectroscopy and Related Topics (cgs12)" Notre Dame, Indiana, USA, 4-9 September, 2005
21. The n\_TOF Collaboration: Neutron capture cross section measurements at n\_TOF of  $^{237}\text{Np}$ ,  $^{240}\text{Pu}$  and  $^{243}\text{Am}$  for the transmutation of nuclear waste, "Capture Gamma Ray Spectroscopy and Related Topics (cgs12)" Notre Dame, Indiana, USA, 4-9 September, 2005
22. G. Perdikakis, C. T. Papadopoulos, M. Kokkoris, R. Vlastou, S. Galanopoulos, A. Lagoyannis, A. Spyrou, Y. Kalyva, N. Patronis and the n\_TOF collaboration: Study of the  $^{241}\text{Am}(n,2n)^{240}\text{Am}$  Reaction Cross Section in the Energy Range  $E_n=8.8-11.1$  MeV, "International Conference APSORC05", Beijing China, October, 2005.
23. A. Obertelli, N. Alamanos, M. Alvarez, F. Auger, R. Dayras, A. Drouart, G. de France, A. Gillibert, B. Jurado, N. Keeley, V. Lapoux, W. Mittig, X. Mougeot, L. Nalpas, A. Pakou, N. Patronis, E.C. Pollacco, F. Rejmund, M. Rejmund, P. Roussel-Chomaz, H. Savajols, F. Skaza and Ch. Theisen: Shell gap reduction in exotic  $N=17$  nuclei, "Frontiers in Nuclear Structure Astrophysics, and Reactions", Isle of Kos, Greece, 12-17/9/2005.
24. The n\_TOF Collaboration: Implications of  $^{151}\text{Sm}(n,\gamma)$  Cross Section at n\_TOF, "Frontiers in Nuclear Structure Astrophysics, and Reactions", Isle of Kos, Greece, 12-17/9/2005.

25. G. Perdikakis, C. T. Papadopoulos, R. Vlastou, A. Lagoyannis, A. Spyrou, M. Kokkoris, N. Patronis, D. Karamanis, Ch. Zarkadas, G. Kalyva, C. Tsabaris and S. Kossionides: Measurement of the  $^{241}\text{Am}(n,2n)^{240}\text{Am}$  reaction cross section by the activation method, "Frontiers in Nuclear Structure Astrophysics, and Reactions", Isle of Kos, Greece, 12-17/9/2005.
26. The n\_TOF Collaboration: Measurement of  $^{139}\text{La}(n,\gamma)$  Cross Section at n\_TOF, "Frontiers in Nuclear Structure Astrophysics, and Reactions", Isle of Kos, Greece, 12-17/9/2005.
27. The n\_TOF Collaboration: Neutron cross section measurements at n-TOF for ADS related studies, EPS Euroconference XIX Nuclear Physics Divisional Conference: New Trends in Nuclear Physics Applications and Technology, Pavia, Italy, September 5-9 2005. [conference paper: Journal of Physics: Conference Series 41 (2006) 352]
28. S. Galanopoulos, M. Serris, G. Perdikakis, N. Patronis, M. Kokkoris, C. P. Papadopoulos, R. Vlastou, A. Lagoyannis, Ch. Zarkadas, S. Harissopoulos, C. A. Kalfas and P. Demetriou : Statistical model calculations on natural Ge, "16th Hellenic Symposium on Nuclear Physics", University of Athens, May 26-27 2006.
29. N. Patronis, C. P. Papadopoulos, S. Galanopoulos, S. Harissopoulos, M. Kokkoris, A. Lagoyannis, G. Perdikakis and R. Vlastou : Study of the  $^{191}\text{Ir}(n,2n)^{190}\text{Ir}$  reaction cross section, "16th Hellenic Symposium on Nuclear Physics", University of Athens, May 26-27 2006.
30. M. Serris, S. Galanopoulos, G. Perdikakis, N. Patronis, M. Kokkoris, C. P. Papadopoulos, R. Vlastou, A. Lagoyannis and C. A. Kalfas : Study of the  $(n,2n)$  reaction cross section on  $^{174}\text{Hf}$  isotope, "16th Hellenic Symposium on Nuclear Physics", University of Athens, May 26-27 2006.
31. R. Reifarh, M. Heil, R. Plag, U. Besserer, A. Couture, S. Dababneh, L. Dörr, C. Forssén, J. Görres, R.C. Haight, A. Mengoni, S. O'Brien, N. Patronis, R.S. Rundberg, E. Uberseder, M. Wiescher, J.B. Wilhelmy: Direct measurement of stellar neutron capture rates of  $^{14}\text{C}$  and comparison with the Coulomb breakup method, "Nuclei in the Cosmos IX", CERN, Geneva, June 25-30 2006.
32. The n\_TOF Collaboration: Measurement at n\_TOF of the  $^{237}\text{Np}(n,\gamma)$  and  $^{240}\text{Pu}(n,\gamma)$  cross sections for the transmutation of nuclear waste, American Nuclear Society's Topical Meeting on Reactor Physics – PHYSOR-2006, Vancouver, Canada, September 10-14, 2006
33. The n\_TOF Collaboration: Measurement of the neutron capture cross section of  $^{234}\text{U}$  in n\_TOF at CERN, American Nuclear Society's Topical Meeting on Reactor Physics – PHYSOR-2006, Vancouver, Canada, September 10-14, 2006
34. The n\_TOF Collaboration: Measurement of the neutron capture cross section of  $^{236}\text{U}$ , American Nuclear Society's Topical Meeting on Reactor Physics – PHYSOR-2006, Vancouver, Canada, September 10-14, 2006
35. R.Vlastou, C.T.Papadopoulos, M.Kokkoris, G.Perdikakis, S.Galanopoulos, N.Patronis, M.Serris, S.Harissopulos and P.Demetriou, Isomeric cross sections of neutron induced reactions on Ge and Ir Isotopes, "International Conference on Nuclear Data for Science and Technology 2007", Nice, France, April 22-27, 2007
36. The n\_TOF Collaboration: Measurement of the Neutron Induced Fission Cross Section on Transuranic (TRU) Elements at the n\_TOF Facility at CERN, VII Latin American Symposium on Nuclear Physics and Applications, Cusco, Peru, June 11-16, 2007
37. N. Patronis, R. Raabe, V. Bildstein, N. Bree, R.Gernhäuser, M. Huyse, Th. Kröll, R. Krücken, M. Mahgoub, P. Maierbeck, I. Stefanescu, J. Van De Walle and P. Van Duppen, One Nucleon Transfer Reactions Around  $^{68}\text{Ni}$  at REX-ISOLDE, International

Conference on Frontiers in Nuclear Structure, Astrophysics and Reactions, Agios Nikolaos, Crete, Greece, September 10-14, 2007

38. The n\_TOF Collaboration: Recent Results at n\_TOF and Future Perspective, IXth Torino Workshop on Evolution and Nucleosynthesis in AGB Stars and the IIND Perugia Workshop on Nuclear Astrophysics, Perugia, Italy, October 22-26, 2007
39. N. Patronis, V. Bildstein, N. Bree, J. Diriken, R. Gernhäuser, M. Huyse, T. Kröll, R. Krücken, M. Mahgoub, P. Maierbeck, R. Raabe, J. Van de Walle and P. Van Duppen, Single Particle Character Around  $68\text{Ni}$ : The study of  $^{66}\text{Ni}(d,p)^{67}\text{Ni}$  at REX-ISOLDE, International Conference "EURORIB'08", Giens, France, June 9-13, 2008
40. Th. Kroll, T. Behrens, R. Krucken, V. Bildstein, T. Faestermann, R. Gernhäuser, M. Mahgoub, P. Maierbeck, M. Mönch, W. Weinzierl, F. Ames, D. Habs, O. Kester, R. Lutter, T. Morgan, M. Pasini, K. Rudolph, P. Thirolf, J. Diriken, M. Huyse, O. Ivanov, P. Mayet, N. Patronis, I. Stefanescu, J. Van de Walle, P. Van Duppen, O. Niedermaier, H. Scheit, D. Schwalm, J. Eberth, F. Finke, D. Martin, P. Reiter, A. Scherillo, M. Seidlitz, N. Warr, D. Weisshaar, J. Iwanicki, P. Butler, J. Cederkall, E. Clement, P. Delahaye, L. M. Fraile, G. Georgiev, U. Koster, T. Sieber, D. Voulot, F. Wenander, S. Franchoo, A. Hurst, A. Ekstrom, P. E. Kent, K.-H. Speidel, J. Leske, S. Schielke, A. Jungclaus, V. Modamio, J. Walker, L. Coquard, M. Pantea, N. Pietralla, T. Davinson, and S. Nardelli: Quadrupole collectivity of neutron-rich nuclei around  $132\text{Sn}$ ; International Conference on Frontiers in Nuclear Structure, Astrophysics and Reactions, Agios Nikolaos, Crete, Greece, September 10-14, 2007
41. A. Petts, P. A. Butler, T. Grahn, A. Blazhev, N. Bree, B. Bruyneel, J. Cederkäll, E. Clement, T. E. Cocolios, A. Dewald, J. Eberth, L. Fraile, C. Fransen, M. B. Gómez Hornillos, P. T. Greenlees, A. Görge, M. Guttormsen, K. Hadynska, K. Helariutta, R.-D. Herzberg, M. Huyse, D. G. Jenkins, J. Jolie, P. Jones, R. Julin, S. Juutinen, S. Ketelhut, S. Knapen, T. Kröll, R. Krücken, A. C. Larsen, M. Leino, J. Ljungvall, P. Maierbeck, P. L. Marley, B. Melon, P. J. Napiorkowski, M. Nyman, R. D. Page, J. Pakarinen, G. Pascovici, N. Patronis, P. J. Peura, E. Piselli, Th. Pissulla, P. Rahkila, P. Reiter, J. Sarén, M. Scheck, C. Scholey, A. Semchenkov, S. Siem, I. Stefanescu, J. Sorri, J. Uusitalo, J. Van de Walle, P. Van Duppen, D. Voulot, R. Wadsworth, N. Warr, D. Weisshaar, F. Wenander, and M. Zielinska: Lifetime Measurements and Coulomb Excitation of Light Hg Nuclei; 13th International Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Cologne, Germany, August 25–29, 2008
42. The n\_TOF Collaboration: nTOF Experiment: Past, Present And Future, First Ulaanbaatar Conference on Nuclear Physics and Applications, Ulaanbaatar, Mongolia, September 8–11, 2008
43. The n\_TOF Collaboration: Neutron Capture Measurements at the nTOF Facility, First Ulaanbaatar Conference on Nuclear Physics and Applications, Ulaanbaatar, Mongolia, September 8–11, 2008
44. Th. Kröll, V. Bildstein, K. Wimmer, R. Krücken, R. Gernhäuser, R. Lutter, W. Schwerdtfeger, P. Thirolf, B. Bastin, N. Bree, J. Diriken, M. Huyse, N. Patronis, R. Raabe, P. Van Duppen, P. Vermaelen, J. Cederkäll, E. Clément, J. Van de Walle, D. Voulot, F. Wenander, A. Blazhev, M. Kalkühler, P. Reiter, M. Seidlitz, N. Warr, A. Deacon, C. Fitzpatrick, S. Freeman, S. Das Gupta, G. Lo Bianco, S. Nardelli, E. Fiori, G. Georgiev, M. Scheck, L. M. Fraile, D. Balabanski, T. Nilsson, E. Tengborn, J. Butterworth, B. S. Nara Singh, L. Angus, R. Chapman, B. Hadinia, R. Orlandi, J. F. Smith, P. Wady, G. Schrieder, M. Labiche, J. Johansen, K. Riisager, H. B. Jeppesen, A. O. Macchiavelli, and T. Davinson: Transfer Reactions on Neutron-rich Nuclei at REX-ISOLDE; Nuclear Structure and Dynamics '09: Proceeding of the international conference, Dubrovnik, Croatia, May 4-8, 2009



45. The n\_TOF Collaboration: Fission cross-section measurements on  $^{233}\text{U}$  and minor actinides at the CERN n\_TOF facility; 4Th International Workshop on Nuclear Fission and Fission Product Spectroscopy, Chateau de Cadarache, France, May 13-16, 2009
46. The n\_TOF Collaboration: Study of Neutron-Induced Fission Cross Sections of U, Am, and Cm at n\_TOF; VIII Latin American Symposium on Nuclear Physics and Applications, Santiago, Chile, December 15-19, 2010
47. The n\_TOF Collaboration: Astrophysics at n\_TOF; VIII Latin American Symposium on Nuclear Physics and Applications, Santiago, Chile, December 15-19, 2010
48. The n\_TOF Collaboration: The  $^{237}\text{Np}(n,f)$  cross section at the CERN n\_TOF facility; Frontiers in Nuclear Structure Astrophysics and Reactions - FINUSTAR 3, Rhodes, Greece, August 23-27, 2010
49. M Mazzocco, C Signorini, D Pierrotsakou, T Glodariu, A Boiano, C Boiano, F. Farinon, P Figuera, D. Filipescu, L Fortunato, A Guglielmetti, G Inglima, M. La Commara, M Lattuada, P Lotti, C Mazzocchi, P Molini, A Musumarra, A Pakou, C Parascandolo, N Patronis, M Romoli, M Sandoli, V Scuderi, F Soramel, L Stroe, D Torresi, E Vardaci and A Vitturi: *Strong reaction channels for the system  $^{17}\text{F} + ^{58}\text{Ni}$  at Coulomb barrier energies*; International Nuclear Physics Conference 2010 (INPC2010), Vancouver, Canada, July 4-9, 2010 [conference paper: Journal of Physics: Conference Series 312 (2011) 082032]
50. The n\_TOF Collaboration: *Astrophysics at n-TOF facility at CERN*; 49. International Nuclear Physics Conference 2010 (INPC2010), Vancouver, Canada, July 4-9, 2010 [conference paper: Journal of Physics: Conference Series 312 (2011) 042024]
51. N. Patronis, J. Diriken, A. Andreyev, S. Antalic, V. Bildstein, A. Blazhev, Y. Blumenfeld, B. Bruyneel, I.G. Darby, H. De Witte, J. Elseviers, M. Eriksson, V. Fedosseev, G. Georgiev, R. Gernhauser, A. Herlert, M. Huyse, J. Jolie, T. Kröll, R. Krücken, R. Lutter, B.A. Marsh, T. Mertzimekis, D. Mucher, R. Orlandi, A. Pakou, E. Piselli, R. Raabe, P. Reiter, T. Roger, M. Seidlitz, M. Seliverstov, E. Siesling, T. Stora, H. Tornqvist, J. Van de Walle, P. Van Duppen, D. Voulot, N. Warr, F. Wenander, K. Wimmer: *One neutron transfer reactions around  $^{68}\text{Ni}$ : First results from the  $^{66}\text{Ni}(d,p)^{67}\text{Ni}$  experiment*; "21st Hellenic Symposium on Nuclear Physics", NCSR "Demokritos", Athens, May 25-26 2012.
52. K. Zerva, A. Pakou, N. Patronis, N. Alamanos, A. Di Pietro, P. Figuera, M. Fisichella, T. Glodariu, N. Keeley, M. La Commara, M. Mattuada, M. Mazzocco, A. Musumarra, A. Sanchez Benitez, V. Scuderi, E. Strano, M.G. Pellegriti, D. Pierrotsakou, K. Rusek: *Elastic backscattering measurements and optical potential analysis for the systems  $^{6,7}\text{Li} + ^{58}\text{Ni}$ ,  $^{116,120}\text{Sn}$ ,  $^{208}\text{Pb}$  at sub- and near-barrier energies*; "1st One-Day Workshop on New Aspects and Perspectives in Nuclear Physics" HINP University of Ioannina, 8th September 2012.
53. V. Soukeras, O. Sgouros, A. Pakou, I. Strojek, A. Trzcinska, N. Alamanos, N. Keeley, M. Mazzocco, N. Patronis, E. Piasecki, K. Rusek, E. Stiliaris, K. Zerva : *Study of the reaction  $^{20}\text{Ne} + ^{28}\text{Si}$ : Elastic scattering at near barrier energies*; "1st One-Day Workshop on New Aspects and Perspectives in Nuclear Physics" HINP University of Ioannina, 8th September 2012.
54. O. Sgouros, V. Soukeras, A. Pakou, I. Strojek, A. Trzcinska, N. Alamanos, N. Keeley, M. Mazzocco, N. Patronis, E. Piasecki, K. Rusek, E. Stiliaris, K. Zerva : *Study of the reaction  $^{20}\text{Ne} + ^{28}\text{Si}$ : Transfer reactions at near barrier energies*; "1st One-Day Workshop on New Aspects and Perspectives in Nuclear Physics" HINP University of Ioannina, 8th September 2012.
55. N. Patronis, J. Diriken, A. Andreyev, S. Antalic, V. Bildstein, A. Blazhev, Y. Blumenfeld, B. Bruyneel, I.G. Darby, H. De Witte, J. Elseviers, M. Eriksson, V. Fedosseev, G.

- Georgiev, R. Gernhauser, A. Herlert, M. Huyse, J. Jolie, T. Kröll, R. Krücken, R. Lutter, B.A. Marsh, T. Mertzimekis, D. Mucher, R. Orlandi, A. Pakou, E. Piselli, R. Raabe, P. Reiter, T. Roger, M. Seidlitz, M. Seliverstov, E. Siesling, T. Stora, H. Tornqvist, J. Van de Walle, P. Van Duppen, D. Voulot, N. Warr, F. Wenander, K. Wimmer: *Transfer reactions at REX-ISOLDE: The  $^{66}\text{Ni}(d,p)^{67}\text{Ni}$  experiment*; “1st One-Day Workshop on New Aspects and Perspectives in Nuclear Physics” HINP University of Ioannina, 8th September 2012.
56. M. Mazzocco, D. Torresi, N. Fierro, L. Acosta, A. Boiano, C. Boiano, T. Glodariu, A. Guglielmetti, M. La Commara, I. Martel, C. Mazzocchi, P. Molini, A. Pakou, C. Parascandolo, V. V. Parker, N. Patronis, D. Pierrotsakou, M. Romoli, A. M. Sanchez-Benitez, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, E. Stiliaris, E. Strano, L. Stroe and K. Zerva: *Scattering process for the system  $^7\text{Be} + ^{58}\text{Ni}$  at 23.2 MeV beam energy*, 11th International Conference on Nucleus-Nucleus Collisions, NN 2012; San Antonio, TX; United States; 27 May 2012 through 1 June 2012 [conference paper: Journal of Physics: Conference Series 420 (2013) 012077]
57. N. Patronis, V. Tsamis, K. Stamoulis and K. Ioannides: Characterization of Canberra BE3825 Broad Energy High Purity Germanium Detector by means of Geant4 Monte-Carlo calculations; “22nd Symposium of the Hellenic Nuclear Physics Society”, University of Athens, Athens, 31.05-1.062013.
58. G. Marquínez-Durán, A. M. Sánchez-Benítez, I. Martel, L. Acosta, K. Rusek, M. A. G. Álvarez, R. Berjillos, M. J. G. Borge, A. Chbihi, C. Cruz, M. Cubero, J. A. Dueñas, J. P. Fernández-García, B. Fernández-Martínez, J. L. Flores, J. Gómez-Camacho, N. Keeley, J. A. Labrador, M. Marqués, A. M. Moro, M. Mazzocco, A. Pakou, V. V. Parkar, N. Patronis, V. Pesudo, D. Pierrotsakou, R. Raabe, R. Silvestri, N. Soic, . Standylo, I. Strojek, O. Tengblad, R. Wolski, and A. H. Ziad: *Scattering of  $^8\text{He}$  on  $^{208}\text{Pb}$  at 22 MeV*; La Rabida 2012 International Scientific Meeting on Nuclear Physics - Basic Concepts in Nuclear Physics: Theory, Experiments, and Applications; La Rabida; Spain; 9 September 2012 through 13 September 2012 [conference paper: AIP Conf. Proc. 1541, 175 (2013); <http://dx.doi.org/10.1063/1.4810834>]
59. G. Marquínez-Durán, A.M. Sánchez-Benítez, I. Martel, L. Acosta, K. Rusek, M.A.G. Álvarez, R. Berjillos, M.J.G. Borge, A. Chbihi, C. Cruz, M. Cubero, J.A. Dueñas, J.P. Fernández-García, B. Fernández-Martínez, J.L. Flores, J. Gómez-Camacho, N. Keeley, J.A. Labrador, M. Marqués, A.M. Moro, M. Mazzocco, A. Pakou, V.V. Parkar, N. Patronis, V. Pesudo, D. Pierrotsakou, R. Raabe, R. Silvestri, N. Soic, Ł. Standylo, I. Strojek, O. Tengblad, R. Wolski and A.H. Ziad: *Near barrier scattering of  $^8\text{He}$  on  $^{208}\text{Pb}$* ; EPJ Web of Conferences 66 (2014) 03058; doi: <http://dx.doi.org/10.1051/epjconf/20146603058>
60. M. Mazzocco, D. Torresi, L. Acosta, A. Boiano, C. Boiano, N. Fierro, T. Glodariu, A. Guglielmetti, N. Keeley, M. La Commara, I. Martel, C. Mazzocchi, P. Molini, A. Pakou, C. Parascandolo, V.V. Parkar, N. Patronis, D. Pierrotsakou, M. Romoli, K. Rusek, A.M. Sanchez-Benitez, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, E. Stiliaris, E. Strano, L. Stroe and K. Zerva: *Transfer vs. Breakup in the interaction of the  $^7\text{Be}$  Radioactive Ion Beam with a  $^{58}\text{Ni}$  target at Coulomb barrier energies*; EPJ Web of Conferences 66 (2014) 03060; doi: <http://dx.doi.org/10.1051/epjconf/20146603060>
61. A. Lagoyannis, K. Preketes-Sigalas, M. Axiotis, V. Foteinou, S. Harissopulos, M. Kokkoris, P. Misaelides, V. Paneta, N. Patronis: *Study of the  $^{10}\text{B}(p,\alpha\gamma)^7\text{Be}$  and  $^{10}\text{B}(p,p'\gamma)^{10}\text{B}$  reactions for PIGE purposes*, “23rd Symposium of the Hellenic Nuclear Physics Society”, Aristotle University of Thessaloniki, Thessaloniki, 20-21.06.2014

62. Nikolas Patronis, Xenofon Aslanoglou, Michael Axiotis, Zinovia Eleme, Varvara Foteinou, Sotirios Harissopoulos, Antigoni Kalamara, Michael Kokkoris, Anastasios Lagoyannis, George Provas and Roza Vlastou: Neutron reaction studies in the rare earth region: First results for the  $^{162}\text{Er}(n,2n)^{161}\text{Er}$  physics case, "23rd Symposium of the Hellenic Nuclear Physics Society", Aristotle University of Thessaloniki, Thessaloniki, 20-21.06.2014
63. A. Kalamara, M.Serris, M.Anastasiou, M. Diakaki, M. Kokkoris, N.Patronis, V.Paneta , M.Axiotis, A. Lagoyannis and R. Vlastou: Activation cross section for the (n,2n) reaction on  $^{197}\text{Au}$ , "23rd Symposium of the Hellenic Nuclear Physics Society", Aristotle University of Thessaloniki, Thessaloniki, 20-21.06.2014
64. D Torresi, M. Mazzocco, L Acosta, A Boiano, C Boiano, A Diaz-Torres, N Fierro, T Glodariu, L Grilj, A Guglielmetti, N Keeley, M La Commara, I Martel, C Mazzocchi, P Molini, A Pakou, C Parascandolo, V V Parkar, N Patronis, D Pierroutsakou, M Romoli, K Rusek, A M Sanchez-Benitez, M Sandoli, C Signorini, R Silvestri, F Soramel, E Stiliaris, E Strano, L Stroe and K Zerva: Reaction dynamics studies for the system  $^7\text{Be}+^{58}\text{Ni}$ , Nuclear Physics and Astrophysics, 15–21 September 2014, Antalya, Turkey
65. Z. Eleme, M. Alexandropoulou, A. Georgiadou, K.G. Ioannides, M. Kokkoris, N. Patronis 1, A. Stamatopoulos, K.C. Stamoulis, A. Tsiganis, R. Vlastou and the n\_TOF Collaboration: Determination of the Neutron Beam Spatial Profile at n\_TOF EAR-2 using the CR-39 Track Detectors, "24th Symposium of the Hellenic Nuclear Physics Society", University of Ioannina, Ioannina, 22-23.05.2015
66. R. Vlastou, D. Sigalos, A. Kalamara, M. Kokkoris, M. Anastasiou, A. Lagoyannis, M. Axiotis, N. Patronis: Neutron Beam Characterization at the Athens Tandem Accelerator NCSR "Demokritos", "24th Symposium of the Hellenic Nuclear Physics Society", University of Ioannina, Ioannina, 22-23.05.2015
67. P. Grigoriadou, M. Kokkoris, N. Patronis and R. Vlastou: CONY - COmputer code for Neutron Yield calculations: The  $^7\text{Li}(p,n)^7\text{Be}$  and  $^3\text{H}(d,n)^4\text{He}$  reactions, "24th Symposium of the Hellenic Nuclear Physics Society", University of Ioannina, Ioannina, 22-23.05.2015
68. A. Kalamara, A. Spiliotis, M.Serris, M.Anastasiou, M. Diakaki, M. Kokkoris, N.Patronis, V.Paneta , M.Axiotis, A. Lagoyannis and R. Vlastou: Activation cross section of the (n,2n) reaction on Hf isotopes, "24th Symposium of the Hellenic Nuclear Physics Society", University of Ioannina, Ioannina, 22-23.05.2015
69. G. Marangouli, M. Kokkoris, A. Lagoyannis, N. Patronis, R. Vlastou, M. Diakaki: Computational study of the neutron flux produced by the  $^2\text{H}(d,n)^3\text{He}$ , "25th Symposium of the Hellenic Nuclear Physics Society", University of Ioannina, Ioannina, 22-23.05.2015
70. The n\_TOF Collaboration: Measurement of the  $^{240}\text{Pu}(n,f)$  cross-section at the CERN n-TOF facility: First results from EAR-2, 14th International Conference on Nuclear Reaction Mechanisms, NRM 2015; Villa MonasteroVarenna; Italy; 15 -19 June 2015
71. The n\_TOF Collaboration: Nuclear astrophysics at n-TOF facility, CERN, 14th International Conference on Nuclear Reaction Mechanisms, NRM 2015; Villa MonasteroVarenna; Italy; 15 -19 June 2015
72. The n\_TOF Collaboration: Nuclear data measurements at the upgraded neutron time-of-flight facility n-TOF at CERN, 14th International Conference on Nuclear Reaction Mechanisms, NRM 2015; Villa MonasteroVarenna; Italy; 15 -19 June 2015
73. N. Patronis, A. Kalamara, S. Harissopoulos, M. Kokkoris, A. Lagoyannis and R. Vlastou: Study of the  $^{193}\text{Ir}(n,2n)^{192}\text{Ir}$  Reaction Cross Section, "25th Symposium of the Hellenic Nuclear Physics Society", National Centre for Scientific Research "Demokritos", Athens, 03-04.06.2016

74. E. Ntemou, K. Preketes-Sigalas, X. Aslanoglou, V. Foteinou, M. Kokkoris, A. Lagoyannis, P. Misaelides, N. Patronis, G. Provatas, R. Vlastou: Measurement of differential cross sections of  $^{nat}\text{Li}(d,d_0)$  for EBS purposes, "25th Symposium of the Hellenic Nuclear Physics Society", National Centre for Scientific Research "Demokritos", Athens, 03-04.06.2016
75. The n\_TOF Collaboration: The CERN n-TOF facility: A unique tool for nuclear data measurement, 5th International Workshop on Compound-Nuclear Reactions and Related Topics, CNR 2015; Tokyo; Japan; 19-23 October 2015; EPJ Web of Conferences 122 (2016) 05001; doi: 10.1051/epjconf/201612205001
76. The n\_TOF Collaboration: Characterization of the n-TOF EAR-2 neutron beam, 2016 International Conference on Nuclear Data for Science and Technology, ND 2016; Concertgebouw and Site Oud St JanBruges; Belgium; 11 September 2016 through 16 September 2016; Code 130583; EPJ Web of Conferences 146 (2017) 03020
77. The n\_TOF Collaboration: The n-TOF facility: Neutron beams for challenging future measurements at CERN, 2016 International Conference on Nuclear Data for Science and Technology, ND 2016; Concertgebouw and Site Oud St JanBruges; Belgium; 11 September 2016 through 16 September 2016; Code 130583; EPJ Web of Conferences 146 (2017) 03001
78. The n\_TOF Collaboration: The n-TOF facility: The  $^{33}\text{S}(n,\alpha)^{30}\text{Si}$  cross section measurement at n-TOF-EAR2 (CERN): From 0.01 eV to the resonance region, 2016 International Conference on Nuclear Data for Science and Technology, ND 2016; Concertgebouw and Site Oud St JanBruges; Belgium; 11 September 2016 through 16 September 2016; Code 130583; EPJ Web of Conferences 146 (2017) 08004
79. The n\_TOF Collaboration: The n-TOF facility: Monte carlo simulations of the n-TOF lead spallation target with the Geant4 toolkit: A benchmark study, 2016 International Conference on Nuclear Data for Science and Technology, ND 2016; Concertgebouw and Site Oud St JanBruges; Belgium; 11 September 2016 through 16 September 2016; Code 130583; EPJ Web of Conferences 146 (2017) 03030
80. The n\_TOF Collaboration: Measurement of the  $^{240}\text{Pu}(n,f)$  cross-section at the CERN n-TOF facility: First results from experimental area II (EAR-2), 2016 International Conference on Nuclear Data for Science and Technology, ND 2016; Concertgebouw and Site Oud St JanBruges; Belgium; 11 September 2016 through 16 September 2016; Code 130583; EPJ Web of Conferences 146 (2017) 04030
81. The n\_TOF Collaboration: New measurement of the  $^{242}\text{Pu}(n,\gamma)$  cross section at n-TOF-EAR1 for MOX fuels: Preliminary results in the RRR, 2016 International Conference on Nuclear Data for Science and Technology, ND 2016; Concertgebouw and Site Oud St JanBruges; Belgium; 11 September 2016 through 16 September 2016; Code 130583; EPJ Web of Conferences 146 (2017) 11045
82. The n\_TOF Collaboration:  $^7\text{Be}(n,\alpha)$  and  $^7\text{Be}(n,p)$  cross-section measurement for the cosmological lithium problem at the n-TOF facility at CERN, 2016 International Conference on Nuclear Data for Science and Technology, ND 2016; Concertgebouw and Site Oud St JanBruges; Belgium; 11 September 2016 through 16 September 2016; Code 130583; EPJ Web of Conferences 146 (2017) 01012
83. The n\_TOF Collaboration: The measurement programme at the neutron time-of-flight facility n-TOF at CERN, 2016 International Conference on Nuclear Data for Science and Technology, ND 2016; Concertgebouw and Site Oud St JanBruges; Belgium; 11 September 2016 through 16 September 2016; Code 130583; EPJ Web of Conferences 146 (2017) 11002

84. The n\_TOF Collaboration: Time-of-flight and activation experiments on  $^{147}\text{Pm}$  and  $^{171}\text{Tm}$  for astrophysics, 2016 International Conference on Nuclear Data for Science and Technology, ND 2016; Concertgebouw and Site Oud St JanBruges; Belgium; 11 September 2016 through 16 September 2016; Code 130583; EPJ Web of Conferences 146 (2017) 01007
85. The n\_TOF Collaboration: Dissemination of data measured at the CERN n-TOF facility, 2016 International Conference on Nuclear Data for Science and Technology, ND 2016; Concertgebouw and Site Oud St JanBruges; Belgium; 11 September 2016 through 16 September 2016; Code 130583; EPJ Web of Conferences 146 (2017) 07002
86. R. Vlastou, A. Kalamara, M. Kokkoris, N. Patronis, M. Serris, M. Georgoulakis, S. Hassapoglou, K. Kobothanasis, M. Axiotis, and A. Lagoyannis: Study of  $(n,2n)$  reaction on  $^{191,193}\text{Ir}$  isotopes and isomeric cross section ratios, 2016 International Conference on Nuclear Data for Science and Technology, ND 2016; Concertgebouw and Site Oud St JanBruges; Belgium; 11 September 2016 through 16 September 2016; Code 130583; EPJ Web of Conferences 146 (2017) 11013
87. A. Kalamara, R. Vlastou, M. Kokkoris, M. D. Diakaki, M. Serris, N. Patronis, M. Axiotis, and A. Lagoyannis: Cross section of the  $^{197}\text{Au}(n,2n)^{196}\text{Au}$  reaction, 2016 International Conference on Nuclear Data for Science and Technology, ND 2016; Concertgebouw and Site Oud St JanBruges; Belgium; 11 September 2016 through 16 September 2016; Code 130583; EPJ Web of Conferences 146 (2017) 11048
88. Efstathia Georgali, Zinovia Eleme, Nikolas Patronis, Xenofon Aslanoglou, Michael Axiotis, Mary Diakaki, Varvara Foteinou, Anastasia Georgiadou, Sotirios Harissopoulos, Antigoni Kalamara, Michael Kokkoris, Anastasios Lagoyannis, Nikolaos Nicolis, George Provatas, Stylianos Stoulos, Andreas Tsinganis, Eleni Vagena, Roza Vlastou and Stergiani-Marina Vogiatzi: Study of the  $^{162}\text{Er}(n,2n)^{161}\text{Er}$  reaction from the reaction threshold up to 19 MeV neutron beam energy, 26th Symposium of the Hellenic Nuclear Physics Society", The Institute of Oceanography – HCMR, The Department of Physics NTUA, 9-10 June 2017, Anavyssos, Greece.
89. Z. Eleme, S. Georvasili, N. Patronis, E. Georgali, K.G. Ioannides, A. Kalamara, M. Kokkoris, C. Papachristodoulou, T. Stamatopoulos, A. Tsinganis, R. Zanni-Vlastou and the n\_TOF collaboration: Neutron Beam Spatial Profile at n\_TOF using CR-39 Nuclear Track Detectors, 26th Symposium of the Hellenic Nuclear Physics Society", The Institute of Oceanography – HCMR, The Department of Physics NTUA, 9-10 June 2017, Anavyssos, Greece.
90. A. Kalamara, A. Stamatopoulos, R. Vlastou, M. Kokkoris, M. Serris, N. Patronis, M. Axiotis, A. Lagoyannis, S. Harissopoulos: Cross section measurements of the  $^{197}\text{Au}(n,2n)^{196}\text{Au}$  reaction, 26th Symposium of the Hellenic Nuclear Physics Society", The Institute of Oceanography – HCMR, The Department of Physics NTUA, 9-10 June 2017, Anavyssos, Greece.
91. E. Ntemou, X. Aslanoglou, M. Axiotis, V. Foteinou, M. Kokkoris, A. Lagoyannis, P. Misaelides, N. Patronis, K. Preketes-Sigalas, G. Provatas, R. Vlastou: Measurement of the differential cross sections of  $^{6,7}\text{Li}(d,d_0)$  for Ion Beam Analysis purposes, 26th Symposium of the Hellenic Nuclear Physics Society", The Institute of Oceanography – HCMR, The Department of Physics NTUA, 9-10 June 2017, Anavyssos, Greece.
92. P. Tsintari, X. Aslanoglou, M. Axiotis, M. Kokkoris, A. Lagoyannis, P. Misaelides, E. Ntemou, N. Patronis, K. Preketes-Sigalas: Differential cross-section measurements for deuteron elastic scattering on nat N for EBS purposes, 26th Symposium of the Hellenic Nuclear Physics Society", The Institute of Oceanography – HCMR, The Department of Physics NTUA, 9-10 June 2017, Anavyssos, Greece.

93. S. Chasapoglou, A. Kalamara, K. Krokidi, M. Kokkoris, V. Michalopoulou, A. Stamatopoulos, R. Vlastou, M. Axiotis, A. Lagoyannis, S. Harissopulos, N. Patronis, Activation Cross Section Measurement of the (n,2n) Reactions on Natural Ir Isotopes, 26th Symposium of the Hellenic Nuclear Physics Society, The Institute of Oceanography – HCMR, The Department of Physics NTUA, 9-10 June 2017, Anavyssos, Greece.
94. The n\_TOF Collaboration: The Nuclear Astrophysics program at n-TOF (CERN), 8<sup>th</sup> International Conference on Nuclear Physics in Astrophysics, NPA8 2017, Catania Italy, 18 June 2017 – 23 June 2017; Code 133323; EPJ Web of Conferences 165 (2017) 01014
95. The n\_TOF Collaboration: Measurement of the radiative capture cross section of the s-process branching points <sup>204</sup>Tl and <sup>171</sup>Tm at the n-TOF facility (CERN), 16th International Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, CGS 2017; Shanghai Jiao Tong University Shanghai; China; 18 September 2017 through 22 September 2017; Code 136661; EPJ Web of Conferences 178 (2018) 03004
96. The n\_TOF Collaboration: First Measurement of <sup>72</sup>Ge(n, γ) at n-TOF, 9th European Summer School on Experimental Nuclear Astrophysics, ENNAS 2017; Santa Tecla, Catania; Italy; 17 September 2017 through 24 September 2017; Code 138172; EPJ Web of Conferences 184 (2018) 02005
97. A. Kalamara, R. Vlastou, M. Kokkoris, N. Patronis, M. Serris, A. Stamatopoulos, S. Chasapoglou, A. Lagoyannis, S. Harissopulos: Cross section measurement of the <sup>191</sup>Ir(n,2n)<sup>190</sup>Ir reaction, 27<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, National and Kapodistrian University of Athens, 8-9 June 2018, Athens
98. V. Michalopoulou, M. Diakaki, A. Axiotis, A. Kalamara, M. Kokkoris, A. Lagoyannis, N. Patronis, A. Stamatopoulos, A. Tsinganis, R. Vlastou: Measurement of the <sup>236</sup>U(n,f) cross-section between 4 and 10 MeV with Micromegas detectors, 27<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, National and Kapodistrian University of Athens, 8-9 June 2018, Athens
99. R. Vlastou, M. Kokkoris, A. Stamatopoulos, A. Tsinganis, M. Diakaki, N. Patronis, L. Tassan-Got, D. Bosnar, R. Dressler, T. Glodariu, A. Negret: Feasibility studies of (n,xn) reactions with HPGe detectors at the CERN nTOF facility, 27<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, National and Kapodistrian University of Athens, 8-9 June 2018, Athens
100. N. Bligoura, X. Aslanoglou, C. Jeynes, M. Kokkoris, A. Lagoyannis, F. Maragkos, P. Misaelides, E. Ntemou, N. Patronis, K. Preketes-Sigalas: Study of deuteron elastic scattering on natO at energies and angles suitable for EBS (Elastic Backscattering Spectroscopy), 27<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, National and Kapodistrian University of Athens, 8-9 June 2018, Athens
101. A. Stamatopoulos, M. Kokkoris, N. Patronis, L. Tassan-Got, D. Bosnar, A. Tsinganis, M. Diakaki, T. Glodariu, A. Negret, R. Vlastou, The nTOF collaboration: Development of a pulse reconstruction routine for Transistor-Reset preamplifiers for (n,xn) measurements using HPGe detectors at the nTOF facility at CERN, 27<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, National and Kapodistrian University of Athens, 8-9 June 2018, Athens
102. S. Chasapoglou, A. Kalamara, M. Kokkoris, V. Michalopoulou, A. Stamatopoulos, R. Vlastou, A. Lagoyannis, Z. Eleme, N. Patronis: Study of the <sup>234,236</sup>U(n,f) and <sup>232</sup>Th(n,f) Cross-Sections in the Energy Range between 14.8 and 19.2 MeV with

- MicroMegas Detectors, 27<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, National and Kapodistrian University of Athens, 8-9 June 2018, Athens
103. E. Mitsi, S. Chasapoglou, A. Kalamara, M. Kokkoris, V. Michalopoulou, A. Stamatopoulos, R. Vlastou, A. Lagoyannis, Z. Eleme, N. Patronis: Study of the high energy neutron flux (15-20 MeV) at NCSR 'Demokritos' using a BC501A liquid scintillator, 27<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, National and Kapodistrian University of Athens, 8-9 June 2018, Athens
  104. Z. Eleme, N. Patronis, A. Stamatopoulos, A. Tsinganis, M. Kokkoris, V. Michalopoulou, M. Diakaki, R. Vlastou, L. Tassan-Got, N. Colonna, J. Heyse, M. Barbagallo, M. Mastro marco, D. Macina, E. Chiaveri and the n\_TOF Collaboration: Cross-section measurement of  $^{241}\text{Am}(n, f)$  reaction at the Experimental Area 2 of the nTOF facility at CERN: First Results, 28<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, Physics Department, Aristotle University of Thessaloniki, 31 May - 1 June 2019, Thessaloniki
  105. E. Georgali, N. Patronis, A. Anastasiadis, M. Axiotis, Z. Eleme, S. Harissopoulos, A. Kalamara, K. Karfopoulos, M. Kokkoris, A. Lagoyannis, M. Peoviti, C. Potiriadis, M. I. Savva, I. Stamatelatos, M. E. Stamati, A. Stamatopoulos, T. Vasilopoulou, R. Vlastou: Study of the  $^{165}\text{Ho}(n, 2n)^{164}\text{Ho}$  reaction at near threshold energies, 28<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, Physics Department, Aristotle University of Thessaloniki, 31 May - 1 June 2019, Thessaloniki
  106. A. Lagoyannis, K. Preketes – Sigalas, M. Axiotis, S. Harissopoulos, M. Kokkoris, T.J. Mertzimekis, P. Misaelides, N. Patronis: PIGE measurements at the Tandem Lab "Demokritos" – An overview, 28<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, Physics Department, Aristotle University of Thessaloniki, 31 May - 1 June 2019, Thessaloniki
  107. A. Stamatopoulos, A. Tsinganis, M. Diakaki, L. Tassan-Got2, N. Colonna, A. Kalamara, M. Kokkoris, R. Vlastou, P. Zugec, M. Sabate-Gilarte, Z. Eleme, N. Patronis, The n\_TOF Collaboration: Study of the neutron induced fission cross-section of  $^{237}\text{Np}$  at CERN's nTOF facility in the MeV region, 28<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, Physics Department, Aristotle University of Thessaloniki, 31 May - 1 June 2019, Thessaloniki
  108. S. Chasapoglou, V. Michalopoulou, A. Stamatopoulos, A. Kalamara, Z. Eleme, M. Kokkoris, A. Lagoyannis, N. Patronis, R. Vlastou, 28<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, Physics Department, Aristotle University of Thessaloniki, 31 May - 1 June 2019, Thessaloniki
  109. N. Bligoura, X. Aslanoglou, M. Kokkoris, A. Lagoyannis, F. Maragos, P. Misaelides, E. Ntemou, N. Patronis, K. Preketes-Sigalas: Measurement of differential cross sections of deuteron elastic scattering on  $^{31}\text{P}$  for EBS purposes, 28<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, Physics Department, Aristotle University of Thessaloniki, 31 May - 1 June 2019, Thessaloniki
  110. E. Georgali, M. E. Stamati, M. Peoviti, N. Patronis, C. Potiriadis, K. Karfopoulos, A. Anastasiadis, M. Axiotis, Z. Eleme, S. Harissopoulos, A. Kalamara, M. Kokkoris, A. Lagoyannis, M. I. Savva, I. Stamatelatos, A. Stamatopoulos, T. Vasilopoulou, R. Vlastou: Characterization of the Canberra BE5030 Broad Energy High Purity Germanium Detector by means of the GEANT4 Monte Carlo simulation package, 28<sup>th</sup> Annual Symposium of the Hellenic Nuclear Physics Society, Physics Department, Aristotle University of Thessaloniki, 31 May - 1 June 2019, Thessaloniki
  111. E. Vagena, E. Androulakaki, M. Kokkoris, N. Patronis: A Comparative Study of Stopping Power Calculations Implemented in Monte Carlo Codes and Compilations,

28th Annual Symposium of the Hellenic Nuclear Physics Society, Physics Department, Aristotle University of Thessaloniki, 31 May - 1 June 2019, Thessaloniki

112. E. Mitsi, S Chasapoglou, A. Kalamara, M. Kokkoris, V. Michalopoulou, A. Stamatopoulos, R. Vlastou, A. Lagoyannis, Z. Eleme, N. Patronis: A detailed study of the high energy neutron flux (15-20 MeV) at NCSR 'Demokritos' using a BC501A liquid scintillator, 28th Annual Symposium of the Hellenic Nuclear Physics Society, Physics Department, Aristotle University of Thessaloniki, 31 May - 1 June 2019, Thessaloniki
113. The nTOF collaboration: Measurement of the  $^{244}\text{Cm}$  and  $^{246}\text{Cm}$  neutron-induced cross sections at the n\_TOF facility, International Scientific Meeting on Nuclear Physics, RABIDA 2018; Huelva; Spain; 18 June 2018 through 22 June 2018; p117, v225, Springer Proceedings in Physics, (2019)
114. The nTOF collaboration: Characterization and first test of an i-TED prototype at CERN n\_TOF, International Scientific Meeting on Nuclear Physics, RABIDA 2018; Huelva; Spain; 18 June 2018 through 22 June 2018; p169, v225, Springer Proceedings in Physics, (2019)
115. The nTOF collaboration: Data for the s Process from n\_TOF, International Scientific Meeting on Nuclear Physics, RABIDA 2018; Huelva; Spain; 18 June 2018 through 22 June 2018; p63, v225, Springer Proceedings in Physics, (2019)
116. The nTOF collaboration:  $^7\text{Be}(n,p)^7\text{Li}$  Cross Section Measurement for the Cosmological Lithium Problem at the n\_TOF Facility at CERN, 15th International Symposium on Nuclei in the Cosmos, NIC 2018; L'Aquila; Italy; 24 June; p25, v219, Springer Proceedings in Physics, (2019)
117. The nTOF collaboration: Neutron capture measurement at the n TOF facility of the  $^{204}\text{Tl}$  and  $^{205}\text{Tl}$  s-process branching points, Journal of Physics: Conference Series, 1668(1), 012005, (2020)
118. The nTOF collaboration:  $^{80}\text{Se}(n,\gamma)$  cross-section measurement at CERN n TOF, Journal of Physics: Conference Series, 1668(1), 012001, (2020)
119. The nTOF collaboration: Review and new concepts for neutron-capture measurements of astrophysical interest, Journal of Physics: Conference Series, 1668(1), 012013, (2020)