

## Publications

1. S. Milesz, M. Jovchev, D. Schumann, V. A. Khalkin, M. Milanov  
*The EDTA Complexes of Astatine*  
J. Radioanal. Nucl. Chem. Lett. 127 3 (1988) 193
2. D. Schumann, A. F. Novgorodov, V. A. Khalkin  
*Ion Mobility of Complexonates*  
Isotopenpraxis 27 5 (1991) 256
3. M. Vobecky, G. Buklanov, O. D. Maslov, L. I. Salamatin, D. Schumann, Won Gwan Sen, A. B. Yakushev  
*Cation Exchange Chromatographic Separation of Mendeleevium and Fermium using  $\alpha$ -Hydroxy -  $\alpha$  Methylbutyrate*  
J. Radioanal. Nucl. Chem. Lett. 154 1 (1991) 73
4. D. Schumann, S. Milesz, M. Jovchev, Bun Chen So, V. A. Khalkin  
*Nitrilotriacetate Complex of Univalent Astatine*  
Radiochim. Acta 56 (1992) 173
5. D. Schumann, A. F. Novgorodov, V. A. Khalkin  
Electromigration of Trace Quantities of Radioelements in Free Electrolyte Solution.  
*Hydrolysis of Tetravalent and Pentavalent Vanadium*  
J. Radioanal. Nucl. Chem. Lett. 155 (1991) 419
6. E. V. Kulikov, A. F. Novgorodov, D. Schumann  
*Hydrolysis of  $^{225}\text{Ac}$  Trace Quantities*  
J. Radioanal. Nucl. Chem. Lett. 164 (1991) 103
7. D. Schumann, S. Fischer, St. Taut, A. F. Novgorodov, R. Misiak, N. A. Lebedev, H. Bruchertseifer  
*Sorption of Microamounts of Hf- and Ta-Nuclides on DOWEX 50x8 and DOWEX 1x8 from HCl/HF Containing Aqueous Solution*  
J. Radioanal. Nucl. Chem. Lett. 187 (1994) 9-17
8. D. Schumann, R. Dressler, S. Fischer, St. Taut, R. Binder, Z. Szeglowksi, B. Kubica, L. I. Guseva, G. S. Tikhomirova, O. Constantinescu, V. P. Domanov, M. Constantinescu, Dinh Thi Lien, Yu. Ts. Oganesian, V. B. Brudanin, H. Bruchertseifer  
*Sorption Behaviour of Short-Lived W, Hf and Ta Isotopes on Ion Exchangers from HCl/HF Solutions in Fast On-line Experiments*  
Radiochim. Acta 69 (1995) 35
9. D. Schumann, S. Fischer, R. Dressler, St. Taut, H. Nitsche, N. Trautmann, M. Schädel, W. Bröchle, B. Schausten, A.F. Novgorodov, R. Misiak., B. Eichler, H. Gäggeler, D. Jost, A. Türler, H. Bruchertseifer  
*Sorption of Subgroup IV, V and VI Elements on Ion Exchangers from HCl/HF Solutions. Model Experiments for Chemical Studies of the Elements 105 and 106 in Aqueous Solution*  
Radiochim. Acta 72 (1996) 137
10. D. Schumann, R. Dressler, St. Taut, H. Nitsche, Z. Szeglowksi, B. Kubica, L. I. Guseva, G. S. Tikhomirova, A. Yakushev, O. Constantinescu, V. P. Domanov, M. Constantinescu, Dinh Thi Lien, Yu. Ts. Oganesian, V. B. Brudanin, I. Svara, H. Bruchertseifer  
*On-line Separation of Short-lived Tungsten Isotopes from Tantalum, Hafnium and Lutetium by Adsorption on Ion Exchangers from Aqueous Ammonia Solution*  
J. Radioanal. Nucl. Chem., Lett. 214 (1996) 1

11. M. Schädel, W. Bröchle, B. Schausten, E. Schimpf, E. Jäger, G. Wirth, R. Günther, J. V. Kratz, W. Paulus, A. Seibert, P. Thörle, N. Trautmann, S. Zauner, D. Schumann, M. Andrassy, R. Misiak, K. E. Gregorich, D. C. Hoffmann, Y. Nagame, Y. Oura  
*First Aqueous Chemistry with Seaborgium (Element 106)*  
Radiochimica Acta 77 (1997) 149
12. M. Schädel, W. Bröchle, R. Dressler, B. Eichler, H. W. Gäggeler, R. Günther, K. E. Gregorich, D. C. Hoffman, S. Hübener, D. T. Jost, J. V. Kratz, W. Paulus, D. Schumann, S. Timokhin, N. Trautmann, A. Türlér, G. Wirth, A. Yakushev  
*Chemical properties of element 106 (seaborgium)*  
Nature 388, 3July 1997, p.55
13. D. Schumann, M. Andrassy, H. Nitsche, A. F. Novgorodov, R. Misiak, M. Schädel, W. Bröchle, B. Schausten, J.V. Kratz, H. Bruchertseifer  
*Sorption Behaviour of W, Hf, Lu, U, and Th on Ion Exchangers from HCl/H<sub>2</sub>O<sub>2</sub> Solutions. Model Experiments for Chemical Studies of Seaborgium (Sg)*  
Radiochim. Acta 80 (1998) 1
14. D. Schumann, M. Andrassy, H. Nitsche, A. F. Novgorodov, H. Bruchertseifer  
*Sorption Behaviour of Uranium on Cation and Anion Exchange Resins from HCl/HF-Containing Aqueous Solutions. Model Experiments for the Determination of Chemical Properties of Element 106 (Seaborgium)*  
Radiochim. Acta, 79 (1997) 217-220
15. R. Dressler, D. Schumann, St.Taut, S.Fischer, R.Binder, A.B.Yakushev, G.Buklanov, Dinh Thi Lien, V.P.Domanov, Z.Szeglowski, B.Kubica, L.I.Guseva, G.S. Tikhomirova, H.W.Gaeggeler, H.Bruchertseifer  
*First observation of (gamma)-ray emission assigned to the decay of <sup>164</sup>W*  
Radiochim. Acta 77 (1997) 241
16. R. Günther, W. Paulus, J. V. Kratz, A. Seibert, P. Thörle, S. Zauner, W. Bröchle, E. Jäger, V. Pershina, M. Schädel, B. Schausten, D. Schumann, B. Eichler, H. W. Gäggeler, D. T. Jost, A. Türlér  
*Chromatographic Study of Rutherfordium (Element 104) in the system HCl/Tributylphosphate (TBP)*  
Radiochimica Acta 80 (1998) 121
17. D. Schumann, H. Nitsche, St. Taut, D. T. Jost, H. W. Gäggeler, A. B. Yakushev, G. V. Buklanov, V. B. Domanov, Din Thi Lien, B. Kubica, R. Misiak, Z. Szeglowski  
*Sorption Behaviour of Rutherfordium from HCl/HF Containing Aqueous Solution*  
J. of Alloys and Compounds 271-73 (1998) 307-311
18. W. Bröchle, E. Jäger, M. Schädel, B. Schausten, R. Günther, J. V. Kratz, W. Paulus, A. Seibert, P. Thörle, S. Zauner, D. Schumann  
*Chromatographic Studies of Rf (element 104) with tributylphosphate (TBP)*  
J. of Alloys and Compounds 271-273 (1998) 300
19. M. Schädel, W. Bröchle, E. Jäger, B. Schausten, G. Wirth, W. Paulus, R. Günther, K. Eberhardt, J. V. Kratz, A. Seibert, E. Strub, P. Thörle, N. Trautmann, A. Waldeck, S. Zauner, D. Schumann, U. Kirbach, B. Kubica, R. Misiak, Y. Nagame, K. E. Gregorich  
*Aqueous Chemistry of Seaborgium (Z=106)*  
Radiochimica Acta 83 (1998) 163
20. D. Schumann, A. F. Novgorodov, R. Misiak, G. Wunderlich  
*Model Studies for the Separation and Identification of Element 107 (Bohrium, Bh): Ion Exchange and Precipitation Experiments with Tc, Re, Nb and Ta Nuclides from HNO<sub>3</sub>/HF*

- containing Aqueous Solution*  
Radiochim. Acta 87, 7 (1999)
21. E. Strub, J. V. Kratz, A. Kronenberg, A. Nähler, P. Thörle, S. Zauner, W. Brüchle, E. Jäger, M. Schädel, B. Schausten, E. Schimpf, Li Zongwei U. Kirbach, D. Schumann, D. T. Jost, A. Türlér, M. Asai, Y. Nagame, M. Sakama, K. Tsukada, H. W. Gäggeler, J. P. Glatz  
*Fluoride Complexation of Rutherfordium (Rf, Element 104)*  
Radiochim. Acta 88, 265 (2000)
  22. D. Schumann, R. Grasser, R. Dressler, H. Bruchertseifer,  
*Ion Chromatographic Analysis of Aqueous Iodine Species by Conductivity and Radioactivity Measurement*  
Radiochim. Acta, 93 (2005) 619
  23. Dmitriev, S.N., Oganessian, Yu.Ts., Utyonkov, V.K., Shishkin, S.V., Yeregin, A.V., Lobanov, Yu.V., Tsyganov, Yu.S., Chepygin, V.I., Sokol, E.A., Vostokin, G.K., Aksenov, N.V., Hussonnois, M., Itkis, M.G., Gäggeler, H.W., Schumann, D., Bruchertseifer, H., Eichler, R., Shaughnessy, D.A., Wilk, P.A., Kenneally, J.M., Stoyer, M.A., Wild, J.F.  
*Chemical Identification of Db as a Decay Product of Element 115*  
Mendeleev Communications, 1 (2005), 1
  24. D. Schumann, H. Bruchertseifer, R. Eichler, B. Eichler, H. W. Gäggeler, S. N. Dmitriev, Yu. Ts. Oganessian, V. P. Utyonkov, S. V. Shishkin, A. V. Yeregin, Yu. V. Lobanov, Y. S. Tsyganov, V. I. Chepygin, E. A. Sokol, G. K. Vostokin, N.V.Aksenov, M. Hussonnois and M. G. Itkis  
*Chemical procedure applied for the identification of Rf/Db produced in the  $^{48}\text{Ca} + ^{243}\text{Am}$  reaction*  
Radiochimica Acta 93,12,(2005)
  25. Oganessian, Yu.Ts., Utyonkov, V.K., Dmitriev, S.N., Lobanov, Yu.V., Itkis, M.G., Polyakov, A.N., Tsyganov, Yu.S., Mezentsev, A.N., Yeregin, A.V., Voinov, A.A., Sokol, E.A., Gulbekian, G.G., Bogomolov, S.L., Iliev, S., Subbotin, V.G., Sukhov, A.M., Buklanov, G.V., Shishkin, S.V., Chepygin, V.I., Vostokin, G.K, Aksenov, N.V., Hussonnois, M., Subotic, K., Zagrebaev, V.I., Moody, K.J., Patin, J.B., Wild, J.F., Stoyer, M.A., Stoyer, N.J., Shaughnessy, D.A., Kenneally, J.M., Wilk, P.A., Loughheed, R.W., Gäggeler, H.W., Schumann, D., Bruchertseifer, H., Eichler, R.  
*Synthesis of Elements 113 and 115 in the Reaction  $^{243}\text{Am} + ^{48}\text{Ca}$*   
Phys.Rev.C 72, 034611 (2005)
  26. D. Schumann, R. Michel, G. Korschinek, K. Knie, J.-Ch. David  
*Excitation Functions for the Production of  $^{60}\text{Fe}$  and  $^{53}\text{Mn}$  in the reaction  $^{nat}\text{Pb}(p,xn/yp)Z$*   
NIM A 562 (2006) 1057
  27. Y. Nir-El, G. Haquin, Z. Yungreiss, M. Hass, G. Goldring, S.K. Chamoli, B.S. Nara Singh, S. Lakshmi, U. Köster, N. Champault, A. Dorsival, V.N Fedoseyev, G. Georgiev, B.A. Marsh, D. Schumann, G. Heidenreich, S. Teichmann  
*Precision measurement of the decay rate of  $^7\text{Be}$  in host materials*  
Phys. Rev. C75, 012801 (R) (2007)
  28. D. Schumann, J. Neuhausen  
*Accelerator waste as a source for exotic radionuclides*  
J Phys. G: Nucl. Part. Phys. 35 (2008) 014046
  29. D. Schumann, J. Neuhausen, R. Weinreich, F. Atchison, P. Kubik, H.-A. Synal, G. Korschinek, Th. Faestermann, G. Rugel,  
*Determination of the radionuclide inventory in accelerator waste using calculation and*

- radiochemical analysis*  
NIM B 264 (2007) 83-95
30. D. Schumann, J. Neuhausen, S. Horn, P. W. Kubik, I. Günther-Leopold,  
*Radiochemical separation and analytical determination of  $^{10}\text{Be}$  from proton-irradiated graphite targets*  
Radiochim. Acta 96 (2008) 31
  31. D. Schumann, J. Neuhausen  
*Accelerator waste as a source for exotic radionuclides*  
J Phys. G: Nucl. Part. Phys. 35 (2008) 014046
  32. E.E. Tereshatov, H. Bruchertseifer, G.A. Bozhikov, N.V. Aksenov, G.Ya. Starodub, G.K. Vostokin, A.G. Belov, S.V. Shishkin, S.N. Dmitriev, H.W. Gäggeler, R. Eichler, and D. Schumann  
*Cation Exchange Separation of Group V Elements: Model Experiments on Isolation and Chemical Identification of Db*  
Radiochemistry, 2008, Vol.50, No.3, pp. 290-293
  33. D. Schumann, M. Wohlmuther, P. Kubik, H.-A. Synal, V. Alfimov, G. Korschinek, G. Rugel, T. Faestermann  
*Radiochemical analytics of a copper beam dump irradiated with high-energetic protons*  
Radiochim. Acta 97 (3) 2009
  34. E. Überseder, R. Reifarh, D. Schumann, I. Dillmann, C. Domingo Pardo, J. Görres, M. Heil, F. Käppeler, J. Marganiec, J. Neuhausen, M. Pignatari, F. Voss, S. Walter, and M. Wiescher,  
*Measurement of the  $^{60}\text{Fe}(n,\gamma)^{61}\text{Fe}$  Cross Section at Stellar Temperatures*  
PRL 102, 151101 (2009)
  35. G. Rugel, T. Faestermann, K. Knie, G. Korschinek, M. Poutivtsev; D. Schumann, N. Kivel, I. Günther-Leopold, R. Weinreich, M. Wohlmuther  
*New Measurement of the  $^{60}\text{Fe}$  Half-Life*  
PRL 103, 072502 (2009),
  36. R. Dressler, R. Eichler, D. Schumann, S. Shishkin  
Long-term  $\alpha$ - and spontaneous fission measurement of a Rf/Db sample chemically prepared in a  $^{48}\text{Ca}$  on  $^{243}\text{Am}$  experiment  
Phys.Rev.C 79; 054605 (2009)
  37. C. Domingo-Pardo, I. Dillmann, T. Faestermann, U. Giesen, J. Gorres, M. Heil, S. Horn, F. Kappeler, S. Kochli, G. Korschinek, J. Lachner, M. Maiti, J. Marganiec, J. Neuhausen, R. Nolte, M. Poutivtsev, R. Reifarh, R. Rugel, D. Schumann, E. Überseder, F. Voss, S. Walter and M. Wiescher  
*S-Process Nucleosynthesis in Massive Stars: New Results on Fe-60, Ni-62 and Ni-64*  
Capture Gamma-Ray Spectroscopy and Related Topics, 1090 2009
  38. D. Schumann, J. Neuhausen, I. Dillmann, C. Domingo Pardo, F. Käppeler, J. Marganiec, F. Voss, S. Walter, M. Heil, R. Reifarh, J. Goerres, E. Überseder, M. Wiescher. M. Pignatari  
*Preparation of a  $^{60}\text{Fe}$  Target for Nuclear Astrophysics Experiments*  
NIM A 613 (2010) 347
  39. D. Schumann; M. Ayrarov  
*Preparation of  $^{60}\text{Fe}$ ,  $^7\text{Be}$ ,  $^{44}\text{Ti}$  and other samples for nuclear physics experiments*  
J.Phys. Conf. Series 202 (2010) 012034
  40. D. Schumann, J. Neuhausen, R. Michel, J.-Ch. David, A. Wallner  
*Excitation functions for the production of long-lived residue nuclides in the reaction*

- $^{nat}Bi(p;xn,yp)Z$   
 J.Phys.G: Nucl. Part. Phys. **38** (2011) 065103
41. J. Neuhausen, D. Schumann  
*Vapour phase concentrations of volatile nuclear reaction products in the MEGAPIE cover gas*  
 J. Nucl. Mat. **415** (2011) 361–366
  42. St. Heinitz, J. Neuhausen, D. Schumann,  
*Alkaline extraction of polonium from lead bismuth eutectic*  
 J. Nucl. Mat. **414** (2011) 221
  43. M. Medarde, R. Moormann, K. Thomsen, R. Frison, E. Pomjakushina, K. Conder, E. Platacis, Y. Dai, D. Kiselev, L. Zanini, S. Török, P. Zagvyvai, St. Heinitz, J. Neuhausen, D. Schumann,  
*Lead-Gold Eutectic, an alternative target material candidate for the European Spallation Neutron Source ESS*  
 J. Nucl. Mat. **411** (2011) 72
  44. D. Schumann, S. Lüthi, T. Stowasser, D. Kiselev, S. Teichmann,  
 *$^{14}C$  and  $^3H$  determination in graphite wheels*  
 Radiocarbon, the University of Arizona, Tucson, Arizona 2012, p. 370
  45. D. Schumann; D. Kiselev, S. Teichmann, H.-A. Synal, P. Kubik,  
*Radiochemical Analysis of Concrete Samples from Accelerator Waste*  
 Radiochim. Acta 100, (2012) 851
  46. R. Dressler, M. Ayrarov, D. Bemmerer, M. Bunka, Y. Dai, C. Lederer, J. Fallis, A. StJ. Murphy, D. Schumann, T. Stora, T. Stowasser, P.J. Woods,  
*Preparation of  $^{44}Ti$ ,  $^{26}Al$  and  $^{53}Mn$  samples for nuclear astrophysics experiments – the needs and the possibilities*  
 J.Phys.G: Nucl. Part. Phys. 39 (2012) 105201
  47. J. Neuhausen, D. Schumann, R. Dressler, B. Eichler, S. Lüthi, S. Horn, T. Stora, M. Eller  
*Radiochemical aspects of liquid mercury spallation targets*  
 J. Nucl. Mat. 431 (2012) 224-234
  48. E. Noah, V. Boutellier, R. Brütsch, R. Catherall, D. Gavillet, J. Krbanjevic, H.P. Linder, M. Martin, J. Neuhausen, D. Schumann, T. Stora, L. Zanini  
*Post-irradiation analysis of the tantalum container of an ISOLDE LBE target*  
 J. Nucl. Mat. 431 (2012) 60-65
  49. N. Kivel, D. Schumann, I. Günther-Leopold  
*Quantification of  $^{60}Fe$  atoms by MC-ICP-MS for the redetermination of the half-life*  
 Anal. Bioanal. Chem. **405**(9): p. 2965-2972 (2013)
  50. T. Lorenz, D. Schumann, Y. Dai  
*Analysis of long-lived radionuclides produced by proton irradiation in lead targets –  $\gamma$ -Measurements*  
 Radiochim. Acta **101**, 661–666 (2013)
  51. D. Schumann, T. Stowasser, Rugard Dressler, Marin Ayrarov  
*Possibilities for the preparation of exotic radionuclide samples at PSI for scientific experiments*  
 Radiochim. Acta 101, 501-508 (2013)
  52. Lederer, C., Massimi, C., Altstadt, S., Andrzejewski, J., Audouin, L., Barbagallo, M., Bécares, V., Bečvář, F., Belloni, F., Berthoumieux, E., Billowes, J., Boccone, V., Bosnar, D., Brugger, M., Calviani, M., Calviño, F., Cano-Ott, D., Carrapiço, C., Cerutti, F., Chiaveri, E., Chin, M., Colonna, N., Cortés, G., Cortés-Giraldo, M.A., Diakaki, M., Domingo-Pardo, C., Duran, I.,

- Dressler, R., Dzysiuk, N., Eleftheriadis, C., Ferrari, A., Fraval, K., Ganesan, S., García, A.R., Giubrone, G., Gómez-Hornillos, M.B., Gonçalves, I.F. González-Romero, E., Griesmayer, E., Guerrero, C., Gunsing, F., Gurusamy, P., Jenkins, D.G., Jericha, E., Kadi, Y., Käppeler, F., Karadimos, D., Kivel, N., Koehler, P., Kokkoris, M., Korschinek, G., Kr̨tička, M., Kroll, J., Langer, C., Leeb, H., Leong, L.S., Losito, R., Manousos, A., Marganec, J., Martínez, T., Mastinu, P.F., Mastromarco, M., Meaze, M., Mendoza, E., Mengoni, A., Milazzo, P.M., Mingrone, F., Mirea, M., Mondelaers, W., Paradela, C., Pavlik, A., Perkowski, J., Pignatari, M., Plompen, A., Praena, J., Quesada, J.M., Rauscher, T., Reifarh, R., Riego, A., Roman, F., Rubbia, C., Sarmiento, R., Schillebeeckx, P., Schmidt, S., Schumann, D., Tagliente, G., Tain, J.L., Tarrío, D., Tassan-Got, L., Tsinganis, A., Valenta, S., Vannini, G., Variale, V., Vaz, P., Ventura, A. Versaci, R., Vermeulen, M.J., Vlachoudis, V., Vlastou, R., Wallner, A., Ware, T., Weigand, M., Weiß, C., Wright, T.J., Źugec, P.,  
*Neutron capture cross section of unstable <sup>63</sup>Ni: implications for stellar nucleosynthesis*,  
 Phys. Rev. Lett. 110, 022501, 2013
53. C. Guerrero, A. Tsinganis, E. Berthoumieux, M. Barbagallo, F. Belloni, F. Gunsing, C. Weiß, E. Chiaveri, V. Vlachoudis, S. Altstadt, J. Andrzejewski, L. Audouin, V. B'ecares, F. Be'cv'ar, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calvi'no, D. Cano-Ott, C. Carrapi'co, F. Cerutti, M. Chin, N. Colonna, G. Cort'es, M.A. Cort'es-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. Garc'ia, G. Giubrone, M.B. G'omez-Hornillos, I.F. Gon'alves, E. Gonz'alez-Romero, E. Griesmayer, P. Gurusamy, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, M. Kr̨tička, J. Kroll, C. Langer, C. Lederer, H. Leeb, L.S. Leong, R. Losito, A. Manousos, J. Marganec, T. Mart'inez, C. Massimi, P.F. Mastinu, M. Mastromarco, M. Meaze, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego, F. Roman, C. Rubbia, R. Sarmiento, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarr', L. Tassan-Got, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, R. Vlastou, A. Wallner, T. Ware, M. Weigand, T.J. Wright, P. Źugec  
*Performance of the neutron time-of-flight facility n TOF at CERN*  
 Eur. Phys. J. A (2013) 49:27
54. Wallner, M. Bichler, K. Buczak, D. Fink, O. Forstner, R. Golser, M.A.C. Hotchkis, A. Klix, A. Krasa, W. Kutschera, C. Lederer, A. Plompen, A. Priller, D. Schumann, V. Semkova, P. Steier  
*High-sensitivity isobar-free AMS measurements and reference materials for <sup>55</sup>Fe, <sup>68</sup>Ge and <sup>202g</sup>Pb*  
 Nucl. Instr. and Meth. B (2013); 294, 374-381 (2013).
55. Weifeng Yang, Laog Guo, Chia-Ying Chuang, Dorothea Schumann, Marin Ayranov, Peter. H. Santschi  
*Adsorption characteristics of <sup>210</sup>Pb, <sup>210</sup>Po and <sup>7</sup>Be onto micro-particle surfaces and the effects of macromolecular organic compounds*  
 Geochimica et Cosmochimica Acta, 107, 2013, 47
56. Dorothea Schumann, Marin Ayranov, Tanja Stowasser, Lucio Gialanella, Antonino di Leva, Mario Romano, Daniel Schuermann  
*Radiochemical separation of <sup>7</sup>Be from the cooling water of the neutron spallation source SINQ at PSI*  
 Radiochim. Acta 101, 509-514, 2013

57. Konrad Schmidt, Shavkat Akhmadaliev, Michael Anders, Daniel Bemmerer, Konstanze Boretzky, Antonio Cacioli, Detlev Degering, Mirco Dietz, Rugard Dressler, Zolt'an Elekes, Zsolt Fülöp, György Gyürky, Roland Hannaske, Arnd R. Junghans, Michele Marta, Marie-Luise Menzel, Frans Munnik, Dorothea Schumann, Ronald Schwengner, Tam'as Szècs, Andreas Wagner, Dmitry Yakorev, and Kai Zuber,  
*The resonance triplet at  $E\alpha = 4.5\text{MeV}$  in the  $^{40}\text{Ca}(\alpha,\gamma)^{44}\text{Ti}$  reaction,*  
Phys.Rev.C, 2013, 88, 025803 (2013)
58. C. Weiß, E.Griesmayer, C.Guerrero, S.Altstadt, J.Andrzejewski, L.Audouin, G. Badurek, M.Barbagallo, V.Bécares, F.Bečvář, F.Belloni, E.Berthoumieux, J. Billowes, V.Boccone, D.Bosnar, M.Brugger, M.Calviani, F.Calviño, D.Cano-Ott, C. Carrapiço, F.Cerutti, E.Chiaveri, M.Chin, N.Colonna, G.Cortés, M.A.Cortés-Giraldo, M.Diakaki, C.Domingo-Pardo, I.Duran, R.Dressler, N. Dzysiuk, C.Eleftheriadis, A.Ferrari, K.Fraval, S.Ganesan, A.R.García, G. Giubrone, M.B.Gómez-Hornillos, I.F.Gonçalves, E.González-Romero, F.Gunsing, P.Gurusamy, A.Hernández-Prieto, D.G.Jenkins, E.Jericha, Y.Kadi, F.Käppeler, D. Karadimos, N.Kivel, P.Koehler, M.Kokkoris, M.Krtička, J.Kroll, C.Lampoudis, C. Langer, E.Leal-Cidoncha, C.Lederer, H.Leeb, L.S.Leong, R.Losito, A.Mallick, A.Manousos, J.Marganec, T.Martínez, C.Massimi, P.F.Mastinu, M.Mastromarco, M. Meaze, E.Mendoza, A.Mengoni, P.M.Milazzo, F.Mingrone, M.Mirea, W.Mondalaers, C.Paradela, A.Pavlik, J.Perkowski, A.Plompen, J.Praena, J.M. Quesada, T.Rauscher, R.Reifarth, A.Riego, M.S.Robles, F.Roman, C. Rubbia, M.Sabaté-Gilarte, R.Sarmiento, A.Saxena, P.Schillebeeckx, S. Schmidt, D.Schumann, G.Tagliente, J.L.Tain, D.Tarrío, L.Tassan-Got, A.Tsinganis, S.Valenta, G.Vannini, V.Variale, P.Vaz, A.Ventura, R.Versaci, M.J. Vermeulen, V.Vlachoudis, R.Vlastou, A.Wallner, T.Ware, M.Weigand, T.Wright, P. Žugec  
*A new CVD diamond mosaic-detector for  $(n, \alpha)$  cross-section measurements at the  $n\_TOF$  experiment at CERN*  
Nucl. Instr. Meth. A, 732 (2013) 190–194
59. S. Heinitz, D. Schumann, J. Neuhausen, S. Köchli, K. Thomsen, E. Platacis, O. Lielausis, I. Bucenieks, A. Zik, A. Romančuks, K. Kravalis, L. Buligins, A. Türler  
*A comparison between the chemical behaviour of lead-gold and lead-bismuth eutectics towards 316L stainless steel*  
Radiochim. Acta 101, 637 (2013)
60. M. Barbagallo, G. Giubrone, C. Domingo-Pardo, J.L. Tain, C. Lederer, S. Altstadt, J. Andrzejewski, L. Audouin, G. Badurek, V. Bécares, F. Bečvář, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calviño, D. Cano-Ott, C. Carrapiço, F. Cerutti, E. Chiaveri, M. Chin, N. Colonna, G. Cortés, M.A. Cortés-Giraldo, M. Diakaki, I. Duran, R. Dressler, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. García, M.B. Gómez-Hornillos, I.F. Gonçalves, E. González-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, P. Gurusamy, A. Hernández-Prieto, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, M. Krtička, J. Kroll, C. Lampoudis, C. Langer, E. Leal-Cidoncha, H. Leeb, L.S. Leong, R. Losito, A. Mallick, A. Manousos, J. Marganec, T. Martínez, C. Massimi, P.F. Mastinu, M. Mastromarco, M. Meaze, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarth, A. Riego, M.S. Robles, F. Roman, C. Rubbia, M. Sabaté-Gilarte, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiß,

- T. Wright, P. Žugec  
*High-accuracy determination of the neutron flux at n\_TOF*  
 Eur. Phys. J. **49** (2013) 156
61. B. Hammer J. Neuhausen, V. Boutellier, H.P. Linder, N. Shcherbina, M. Wohlmuther, A. Türler, D. Schumann  
*Analysis of  $^{207}\text{Bi}$ ,  $^{194}\text{Hg}/\text{Au}$  and  $^{173}\text{Lu}$  distribution in the irradiated MEGAPIE target*, J. Nucl. Mat. 450 (2014) 278–286
62. Emilio Andrea Maugeri, Jörg Neuhausen, Robert Eichler, David Piguet, Dorothea Schumann  
*Thermochromatography study of volatile tellurium species in various gas atmospheres*  
 J. Nucl. Mat., 452, 2014,110
63. Matthias Rizzi, Jörg Neuhausen, Robert Eichler, Dorothea Schumann, Andreas Türler, Tania Melo Mendonça, Thierry Stora,  
*Polonium evaporation from dilute liquid metal solutions*,  
 J. Nucl. Mat. 450 (2014) 304–313
64. K. Fraval, F. Gunsing, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Becares, F. Becvar, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, S. Ganesan, A.R. García, G. Giubrone, M.B. Gómez-Hornillos, I.F. Gonçalves, E. González-Romero, E. Griesmayer, C. Guerrero, P. Gurusamy, Hernández-Prieto, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, M. Krtička, J. Kroll, C. Lampoudis, C. Langer, E. Leal-Cidoncha, Lederer, H. Leeb, L.S. Leong, R. Losito, A. Mallick, A. Manousos, J. Marganec, T. Martínez, C. Massimi, P.F. Mastinu, M. Mastromarco, M. Meaze, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego, M.S. Robles, F. Roman, C. Rubbia, M. Sabaté-Gilarte, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiß, T. Wright, and P. Zügec  
*Measurement and analysis of  $^{241}\text{Am}(n, \gamma)$  cross section with C6D6 detectors at the n\_TOF facility at CERN*,  
 Phys. Rev.C, 89, 2014, 044609
65. Chuang, C.-Y., Santschi, P.H., Jiang, Y., Ho, Y.-F., Quigg, A., Guo, L.D., Schumann, D.  
*Role of diatoms in scavenging of particle reactive radionuclides,  $^{234}\text{Th}$ ,  $^{233}\text{Pa}$ ,  $^{210}\text{Pb}$ ,  $^{210}\text{Po}$  and  $^7\text{Be}$ , in the ocean: a case study with Diatom, *Phaeodactylum tricornutum*.*  
 Limnology and Oceanography 59(4), 2014, 1256–1266
66. C. Lederer, C. Massimi, E. Berthoumieux, N. Colonna, R. Dressler, C. Guerrero, F. Gunsing, F. Käppeler, N. Kivel, M. Pignatari, R. Reifarh, D. Schumann, A. Wallner, S. Altstadt, S. Andriamonje, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Becares, F. Becvar, F. Belloni, B. Berthier, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calvino, D. Cano-Ott, C. Carrapiço, F. Cerutti, E. Chiaveri, M. Chin, G. Cortés, M.A. Cortés-Giraldo, I. Dillmann, C. Domingo-Pardo, I. Duran, N. Dzysiuk, C. Eleftheriadis, M. Fernández-Ordóñez, A. Ferrari, K. Fraval, S. Ganesan, A.R. García, G. Giubrone, M.B. Gómez-Hornillos, I.F. Gonçalves, E. González-Romero, F. Gramegna, E. Griesmayer, P. Gurusamy, S. Harrisopulos, M. Heil, K. Ioannides, D.G. Jenkins, E. Jericha, Y. Kadi, D. Karadimos, G. Korschinek, M. Krtička, C. Langer, E. Leebos, H. Leeb, L.S. Leong, R. Losito, M. Lozano, A. Manousos, J. Marganec, S. Marrone, T. Martínez, P.F. Mastinu, M. Mastromarco, M. Meaze, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea,



- W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, R. Plag, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, A. Riego, F. Roman, C. Rubbia, R. Sarmento, P. Schillebeeckx, S. Schmidt, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, L. Tlustos, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, M.J. Vermeulen, R. Versaci, V. Vlachoudis, R. Vlastou, T. Ware, M. Weigand, C. Weiß, T.J. Wright, and P. Žugec  
 $^{62}\text{Ni}(n;\gamma)$  and  $^{63}\text{Ni}(n;\gamma)$  cross sections measured at n TOF/CERN  
 Phys Rev C 89, 2014, 025810
67. V. Margerin, A. St. J. Murphy, T. Davinson, R. Dressler, J. Fallis, A. Kankainen, M. Kowalska, A. M. Laird, G. Lotay, D. J. Mountford, C. D. Murphy, C. Seiffert, D. Schumann, T. Stowasser, T. Stora, C. H.-T. Wang, and P. J. Woods  
*Towards a Nuclear Explanation for the Observation of  $^{44}\text{Ti}$  Isotopic Excesses in Core Collapse Supernovae*  
 Physics Letters B, 731, 2014, 358
68. D. Schumann, T. Stowasser, B. Volmert, I. Günther-Leopold, H. Linder, E. Wieland  
*Determination of the  $^{14}\text{C}$  content in activated steel components from a neutron spallation source and a nuclear power plant*  
 Analytical Chemistry 86, 2014, p. 5448
69. P. Žugec, N. Colonna, D. Bosnar, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Becares, F. Becvar, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, M. Brugger, M. Calviani, F. Calviño, D. Cano-Ott, C. Carrapic, F. Cerutti, E. Chiaveri, M. Chin, G. Cortés, M.A. Cortés-Giraldo, M. Diakaki, C. Domingo-Pardo, R. Dressler, I. Duran, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. García, G. Giubrone, M.B. Gomez-Hornillos, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, P. Gurusamy, S. Heinitz, D.G. Jenkins, E. Jerichau, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, M. Krtićka, J. Kroll, C. Langer, C. Lederer, H. Leeb, L.S. Leong, S. Lo Meo, R. Losito, A. Manousos, J. Marganec, T. Martínez, C. Massimia, P.F. Mastinu, M. Mastromarco, M. Meaze, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mireaa, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, Riego, F. Romani, C. Rubbiai, R. Sarmento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vanninia, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiß, T. Wright, The n TOF Collaboration  
*GEANT4 simulation of the neutron background of the C6D6 set-up for capture studies at n TOF*  
 Nucl. Instr. Meth. A 2014, 760(2014)57–67
70. P. Žugec, N. Colonna, D. Bosnar, A. Mengoni, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Becares, F. Becvar, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, M. Brugger, M. Calviani, F. Calviño, D. Cano-Ott, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, G. Cortés, M.A. Cortes-Giraldo, L. Cosentino, M. Diakaki, C. Domingo-Pardo, R. Dressler, I. Duran, C. Eleftheriadis, A. Ferrari, P. Finocchiaro, K. Fraval, S. Ganesan, A.R. Garcia, G. Giubrone, M.B. Gomez-Hornillos, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, P. Gurusamy, S. Heinitz, D.G. Jenkins, E. Jericha, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, M. Krtićka, J. Kroll, C. Langer, C. Lederer, H. Leeb, L.S. Leong, S. Lo Meo, R. Losito, A. Manousos, J. Marganec, T. Martinez, C. Massimi, P. Mastinu, M. Mastromarco, E. Mendoza, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, A. Musumarra, C. Paradela, A. Pavlik, J. Perkowski, A. Plompen, J.

- Praena, J. Quesada, T. Rauscher, R. Reifarh, A. Riego, F. Roman, C. Rubbia, R. Sarmento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrio, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiss, and T. Wright  
*Measurement of the  $^{12}\text{C}(n; p)^{12}\text{B}$  cross section at n TOF (CERN) by in-beam activation analysis*  
 Phys. Rev. C 90, 021601 (R) (2014)
71. T. Al-Abdullah, S. Akhmadaliev, M. Ayrarov, D. Bemmerer, R. Dressler, Z. Elekes, N. Kivel, K. Schmidt, D. Schumann, M. Sobiella, T. Stowasser, M. Takács, and K. Zuber  
*The Feasibility of direct measurement of the  $^{44}\text{Ti}(\alpha, p)^{47}\text{V}$  and  $^{40}\text{Ca}(\alpha, p)^{43}\text{Sc}$  reactions in forward kinematics at astrophysically relevant temperatures*  
 Eur. Phys. J. A (2014) 50: 140
72. Wallner, M. Bichler, K. Buzcak, R. Dressler, L.K. Fifield, D. Schumann, J.H. Sterba, S.G. Tims, G. Wallner, W. Kutschera  
*Settling the half-life of  $^{60}\text{Fe}$  – fundamental for a versatile astrophysical chronometer*  
 Phys. Rev. Letters 114, 041101 (2015)
73. Alpert, M. Balata, D. Bennett, M. Biasotti, C. Boragno, C. Brofferio V. Ceriale, M. De Gerone, R. Dressler, M. Faverzani, E. Ferri, J. Fowler, F. Gatti, A. Giachero, S. Heinitz, G. Hilton, U. Köster, M. Lusignoli, M. Maino, J. Mates, S. Nisi, R. Nizzolo, A. Nucciottia, G. Pessina, G. Pizzigoni, A. Puiu, S. Ragazzi, C. Reintsema, M. Ribeiro-Gomes, D. Schmidt, D. Schumann, M. Sisti, D. Swetz, F. Terranova, J. Ullom  
 HOLMES  
*The Electron Capture Decay of  $^{163}\text{Ho}$  to Measure the Electron Neutrino Mass with sub-eV sensitivity*  
 Eur. Phys. J. C (2015) 75:112; DOI 10.1140/epjc/s10052-015-3329-5
74. Guerrero, D. Cano-Ott, E. Mendoza, T. Wright and the n\_TOF collaboration  
*Correction of dead-time and pile-up in a detector array for constant and rapidly varying counting rates*  
 Nucl. Instr. Meth. A, 777 (2015), 63, <http://dx.doi.org/10.1016/j.nima.2014.12.008>
75. Bernadette Hammer-Rotzler, Jörg Neuhausen, Viktor Boutellier, Michael Wohlmuther, Andreas Türler, Dorothea Schumann,  
*Radiochemical determination of rare earth elements in proton irradiated lead-bismuth eutectic,*  
 Anal. Chem., **2015**, 87 (11), pp 5656–5663 DOI: 10.1021/acs.analchem.5b00955
76. B. Hammer-Rotzler, J. Neuhausen, C. Vockenhuber, V. Boutellier, M. Wohlmuther, A. Türler, D. Schumann,  
*Radiochemical determination of  $^{129}\text{I}$  and  $^{36}\text{Cl}$  in MEGAPIE, a proton irradiated lead-bismuth eutectic spallation target,*  
 Radiochim. Acta 2015, DOI 10.1515/ract-2015-2420
77. T. Heftrich, M. Bichler, R. Dressler, K. Eberhardt, A. Endres, J. Glorius, K. Göbel, G. Hampel, M. Heftrich, F. Käppeler, C. Lederer, M. Mikorski, R. Plag, R. Reifarh, C. Stieghorst, S. Schmidt, D. Schumann, Z. Slavkovská, K. Sonnabend, A. Wallner, M. Weigand, N. Wiehl, and S. Zauner,  
*The thermal neutron capture cross section of the radioactive isotope  $^{60}\text{Fe}$ ,*  
 Phys. Rev. C **92**, 015806, <http://dx.doi.org/10.1103/PhysRevC.92.015806>

78. Chia-Ying Chuang, Peter H. Santschi, Liang-SawWen, Laodong Guo, Chen Xu, Saijin Zhang, Yuelu Jiang, Yi-Fang Ho, Kathleen A. Schwehr, Antonietta Quigg, Chin-Chang Hung, Marin Ayrarov, Dorothea Schumann,  
*Binding of Th, Pa, Pb, Po and Be radionuclides to marine colloidal macromolecular organic matter*,  
Marine Chemistry 173 (2015) 320
79. Weifeng Yang, Laodong Guob, Chia-Ying Chuang, Peter H. Santschi, Dorothea Schumann, Marin Ayrarov,  
*Influence of organic matter on the adsorption of  $^{210}\text{Pb}$ ,  $^{210}\text{Po}$  and  $^7\text{Be}$  and their fractionation on nanoparticles in seawater*,  
Earth and Planetary Science Letters 423 (2015) 193
80. C. Paradela, M. Calviani, D. Tarrío, E. Leal-Cidoncha, L. S. Leong, L. Tassan-Got, C. Le Naour, I. Duran, N. Colonna, L. Audouin, M. Mastromarco, S. Lo Meo, A. Ventura, G. Aerts, S. Altstadt, H. Alvarez, F. Alvarez-Velarde, S. Andriamonje, J. Andrzejewski, G. Badurek, M. Barbagallo, P. Baumann, V. Bečáres, F. Bečvář, F. Belloni, B. Berthier, E. Berthoumieux, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, F. Calvino, D. Cano-Ott, R. Capote, C. Carrapico, P. Cennini, F. Cerutti, E. Chiaveri, M. Chin, G. Cortés, M. A. Cortés-Giraldo, L. Cosentino, A. Couture, J. Cox, S. David, M. Diakaki, I. Dillmann, C. Domingo-Pardo, R. Dressler, W. Dridi, C. Eleftheriadis, M. Embid-Segura, L. Ferrant, A. Ferrari, P. Finocchiaro, K. Fraval, K. Fujii, W. Furman, S. Ganesan, A. R. García, G. Giubrone, M. B. Gomez-Hornillos, I. F. Gonçalves, E. González-Romero, A. Goverdovski, F. Gramegna, E. Griesmayer, C. Guerrero, F. Gunsing, P. Gurusamy, R. Haight, M. Heil, S. Heinitz, M. Igashira, S. Isaev, D. G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, D. Karamanis, M. Kerveno, V. Ketlerov, N. Kivel, M. Kokkoris, V. Konovalov, M. Krťicka, J. Kroll, C. Lampoudis, C. Langer, C. Lederer, H. Leeb, R. Losito, M. Lozano, A. Manousos, J. Marganec, T. Martí'nez, S. Marrone, C. Massimi, P. Mastinu, E. Mendoza, A. Mengoni, P. M. Milazzo, F. Mingrone, M. Mirea, W. Mondelaers, C. Moreau, M. Mosconi, A. Musumarra, S. O'Brien, J. Pancin, N. Patronis, A. Pavlik, P. Pavlopoulos, J. Perkowski, L. Perrot, M. T. Pigni, R. Plag, A. Plompen, L. Plukis, A. Poch, C. Pretel, J. Praena, J. Quesada, T. Rauscher, R. Reifarh, A. Riego, F. Roman, G. Rudolf, C. Rubbia, P. Rullhusen, J. Salgado, C. Santos, L. Sarchiapone, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, C. Stephan, G. Tagliente, J. L. Tain, L. Tavora, R. Terlizzi, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, R. Versaci, M. J. Vermeulen, D. Villamarin, M. C. Vincente, V. Vlachoudis, R. Vlastou, F. Voss, A. Wallner, S. Walter, T. Ware, M. Weigand, C. Weiß, M. Wiesher, K. Wisshak, T. Wright, and P. Züger  
*High-accuracy determination of the  $^{238}\text{U}/^{235}\text{U}$  fission cross section ratio up to  $\approx 1$  GeV at  $n_{\text{TOF}}$  at CERN*  
Phys Rev C 91, 024602 (2015)  
DOI: [10.1103/PhysRevC.91.024602](https://doi.org/10.1103/PhysRevC.91.024602)
81. St. J. Murphy, A.; Schumann, D., Stora, T.,  
*Exploitation of Accelerator Waste for Radioactive Ion Beams: A Nuclear Astrophysics Application*,  
Nuclear Physics News Volume: 25 Issue: 1 Pages: 23-9
82. K. Ostdiek, T. Anderson, W. Bauder, M. Bowers, P. Collon, R. Dressler, J. Greene, W. Kutschera, W. Lu, M. Paul, D. Roberston, D. Schumann, M. Skulski, A. Wallner,  
*Towards a measurement of the half-life of  $^{60}\text{Fe}$  for stellar and early SolarSystem models*,  
Nucl. Instr. Meth. B 2015, <http://dx.doi.org/10.1016/j.nimb.2015.05.033>

83. D. Schumann, R. Dressler,  
*Development of an extraction system for the separation of Dubnium from Rutherfordium using MIBK and HCl/HF solutions*,  
Radiochim. Acta, 2015, DOI 10.1515/ract-2015-2398
84. Chia-Ying Chuang, Peter H. Santschi, Chen Xu, Yuelu Jiang, Yi-Fang Ho, Antonietta Quigg, Laodong Guo, Patrick G. Hatcher, Marin Ayranov, Dorothea Schumann,  
*Molecular level characterization of diatom associated biopolymers that bind  $^{234}\text{Th}$ ,  $^{233}\text{Pa}$ ,  $^{210}\text{Pb}$ , and  $^7\text{Be}$  in seawater: a case study with *Phaeodactylum tricornutum**,  
Journal of Geophysical Research, Biogeoscience 2015120, doi:10.1002/2015JG002970.
85. C. Weiß, E. Chiaveri, S. Girod, V. Vlachoudis, O. Aberle, S. Barros, I. Bergström, E. Berthoumieux, M. Calviani, C. Guerrero, M. Sabate-Gilarte, A. Tsinganis, J. Andrzejewski, L. Audouin, M. Bacak, J. Balibrea-Correa, M. Barbagallo, V. B'ecares, C. Beinrucker, F. Belloni, F. Becvar, J. Billowes, D. Bosnar, M. Brugger, M. Caamano, F. Calvino, D. Cano-Ott, F. Cerutti, N. Colonna, G. Cortes, M.A. Cortes-Giraldo, L. Cosentino, L. Damone, K. Deo, M. Diakak, C. Domingo-Pardo, E. Dupont, I. Duran, R. Dressler, B. Fernandez-Dominguez, A. Ferrari, P. Ferreira, P. Finocchiaro, R. Frost, V. Furman, S. Ganesan, A. Gheorghe, T. Glodariu, K. Göbel, I.F. Goncalves, E. Gonzalez-Romero, A. Goverdovski, E. Griesmayer, F. Gunsing, H. Harada, T. Heftrich, S. Heinitz, A. Hernandez-Prieto, J. Heyse, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, T. Katabuchi, P. Kavargin, V. Ketlerov, V. Khryachkov, A. Kimura, N. Kivel, M. Kokkoris, M. Krticka, E. Leal-Cidoncha, C. Lederer, H. Leeb, J. Lerendegui, M. Licata, S. Lo Meo, R. Losito, D. Macina, J. Marganec, T. Martinez, C. Massimi, P.F. Mastinu, M. Mastro marco, F. Matteucci, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, S. Montesano, A. Musumarra, R. Nolte, R. Palomo Pinto, C. Paradela, N. Patronis, A. Pavlik, J. Perkowski, I. Porrás-Sánchez, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego-Perez, M.S. Robles, C. Rubbia, J. Ryan, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, P. Sedyshev, G. Smith, A. Stamatopoulos, P. Steinegger, S.V. Suryanarayana, G. Tagliente, J.L. Tain, A. Tarifeno-Saldivia, L. Tassan-Got, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Vlastou, A. Wallner, S. Warren, M. Weigand, T. Wright, P. Žugec,  
*The new vertical Neutron Beam Line at the CERN n TOF. Facility Design and Outlook on the Performance*,  
Nucl. Instr. Meth. A 799, 90, 2015
86. M. Weigand, T.A. Bredeweg, A. Couture, M. Jandel, F. Käppeler, C. Lederer, N. Kivel, G. Korschinek, M. Krtička, J.M. O'Donnell, R. Reifarh, D. Schumann, J.L. Ullmann, and A. Wallner  
*The  $^{63}\text{Ni}(n,\gamma)$  cross section measured with DANCE*,  
Phys Rev C **92**, 045810 (2015), DOI: [10.1103/PhysRevC.92.045810](https://doi.org/10.1103/PhysRevC.92.045810)
87. S. Lo Meo, M.A. Cortes-Giraldo, C. Massimi, J. Lerendegui-Marco, M. Barbagallo, N. Colonna, C. Guerrero, D. Mancusi, F. Mingrone, J.M. Quesada, M. Sabate-Gilarte, G. Vannini, V. Vlachoudis, and The n\_TOF Collaboration ([www.cern.ch/ntof](http://www.cern.ch/ntof)),  
*GEANT4 simulations of the n TOF spallation source and their validation*,  
Eur. Phys. J. A (2016) 52: 100, DOI: 10.1140/epja/i2016-16100-8
88. D. Hougbo, A.P. Bernardes, J.C. David, M. Delonca, K. Kravalis, S. Lahiri, R. Losito, C. Maglioni, A. Marchix, T.M. Mendonca, L. Popescu, D. Schumann, P. Schuurmans, T. Stora, J. Vollaie, J. Vierendeels,  
*Development of a liquid Pb-Bi target for high-power ISOL facilities*,  
Nucl. Instr. Meth. B 2016, <http://dx.doi.org/10.1016/j.nimb.2016.01.021>

89. Bernadette Hammer-Rotzler, Jörg Neuhausen, Viktor Boutellier, Michael Wohlmuther, L. Zanini, J.-C. David, Andreas Türler, Dorothea Schumann, *Distribution and Surface Enrichment of Radionuclides in Lead-Bismuth Eutectic from Spallation Targets*, *Europ.Phys.J.+*, 2015, in press
90. P. Žugec, N. Colonna, D. Bosnar, A. Ventura, A. Mengoni, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Bečáres, F. Bečvář, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, M. Brugger, M. Calviani, F. Calvino, D. Cano-Ott, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, G. Cortes, M.A. Cortes-Giraldo, L. Cosentino, M. Diakaki, C. Domingo-Pardo, R. Dressler, I. Duran, C. Eleftheriadis, A. Ferrari, P. Finocchiaro, K. Fraval, S. Ganesan, A.R. Garica, G. Giubrone, M.B. Gomez-Hornillos, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, P. Gurusamy, S. Heinitz, D.G. Jenkins, E. Jericha, F. Käppeler, D. Karadimos, N. Kivel, M. Kokkoris, M. Krčička, J. Kroll, C. Langer, C. Lederer, H. Leeb, L.S. Leong, S. Lo Meo, R. Losito, A. Manousos, J. Marganiec, T. Martinez, C. Massimi, P. Mastinu, M. Mastromarco, E. Mendoza, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, A. Musumarra, C. Paradela, A. Pavlik, J. Perkowski, A. Plompen, J. Praena, J. Quesada, T. Rauscher, R. Reifarh, A. Riego, F. Roman, C. Rubbia, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarr\_\_o, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, R. Versaci, M.J. Vermeulen, Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiss, and T. Wright,  
*Measurement of the  $^{12}C(n,p)^{12}B$  integral cross section up to 10 GeV*, *Eur.Phys.J.A* (2016)52;101
91. Ingo Leya, Ansgar Grimberg, Jean-Christophe David, Dorothea M Schumann, Jörg Neuhausen, Luca Zanini, Etam Noah Messomo,  
*Post-irradiation analysis of an ISOLDE lead-bismuth target: Stable and long-lived noble gas nuclides*, *J. Nucl. Mat.* 2016, in press
92. P. Žugec, C. Weiß, C. Guerrero, F. Gunsing, V. Vlachoudis, M. Sabate-Gilarte, A. Stamatopoulos, T. Wright, J. Lerendegui-Marco, F. Mingrone, J.A. Ryan, S.G. Warren, A. Tsinganis, M. Barbagallo and The n\_TOF collaboration,  
*Pulse processing routines for neutron time-of-flight data*, *Nuclear Instruments and Methods in Physics Research A* 812(2016)134–144
93. Tsinganis, M. Barbagallo, E. Berthoumieux, M. Calviani, E. Chiaveri, N. Colonna, M. Diakaki, I. Duran, C. Guerrero, F. Gunsing, E. Leal-Cidoncha, L.-S. Leong, C. Paradela, D. Tarrío, L. Tassan-Got, R. Vlastou, and the n\_TOF Collaboration,  
*The fission programme at the CERN n\_TOF facility*, *Physics Procedia* 64 ( 2015) 130 – 139, doi: 10.1016/j.phpro.2015.04.017
94. D. Schumann, J.-Ch. David  
*Cross sections and excitation functions for the production of long-lived radionuclides in nuclear reactions of lead and bismuth with protons*  
*Nuclear Data Sheets Vol.119*, 2014, 288
95. B. Hammer, D. Schumann, J. Neuhausen, M. Wohlmuther, A. Türler  
*Radiochemical Determination of Polonium in Liquid Metal Spallation Targets*  
*Nuclear Data Sheets, Vol.119*, 2014, 280

96. T. Lorenz, Y. Dai, D. Schumann, A. Türler  
*Proton-induced Polonium production in Lead*  
Nuclear Data Sheets Vol.119, 2014, 284
97. C. Lederer, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Becares, F. Becvar, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calvino, D. Cano-Ott, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, N. Colonna, G. Cortes, M.A. Cortes-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. Garcia, G. Giubrone, M.B. Gomez-Hornillos, I.F. Goncalves, E. Gonz\_alez-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, P. Gurusamy, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, G. Korschinek, M. Krticka, J. Kroll, C. Langer, H. Leeb, L.S. Leong, R. Losito, A. Manousos, J. Marganec, T. Martinez, C. Massimi, P.F. Mastinu, M. Mastromarco, M. Meaze, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondelaers, C. Paradela, A. Pavlik, J. Perkowski, M. Pignatari, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego, F. Roman, C. Rubbia, R. Sarmiento, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrio, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiss, T.J. Wright, and P. Zugec  
*Neutron capture reactions on Fe and Ni isotopes for the astrophysical s-process*  
Nuclear Data Sheets 2014, Vol.120, 201
98. C. Weiss, C. Guerrero, E. Griesmayer, J. Andrzejewski, G. Badurek, E. Chiaveri, R. Dressler, S. Ganesan, E. Jericha, F. Käppeler, P. Koehler, C. Lederer, H. Leeb, J. Marganec, A. Pavlik, J. Perkowski, T. Rauscher, R. Reifarh, D. Schumann, G. Tagliente, V. Vlachoudis, S. Altstadt, L. Audouin, M. Barbagallo, V. B\_ecares, F. Becvar, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calvino, D. Cano-Ott, C. Carrapico, F. Cerutti, M. Chin, N. Colonna, G. Cortes, M.A. Cortes-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, 23 N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, A.R. Garcia, G. Giubrone, M.B. Gomez-Hornillos, I.F. Goncalves, E. Gonzalez-Romero, F. Gunsing, P. Gurusamy, A. Hernandez-Prieto, D.G. Jenkins, Y. Kadi, D. Karadimos, N. Kivel, M. Kokkoris, M. Krticka, J. Kroll, C. Lampoudis, C. Langer, E. Leal-Cidoncha, L.S. Leong, R. Losito, A. Mallick, A. Manousos, T. Martinez, C. Massimi, P.F. Mastinu, M. Mastromarco, M. Meaze, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, C. Paradela, A. Plompen, J. Praena, J.M. Quesada, A. Riego, M.S. Robles, F. Roman, C. Rubbia, M. Sabat\_e-Gilarte, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, J.L. Tain, D. Tarrio, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, R. Vlastou, A. Wallner, T. Ware, M. Weigand, T. Wright, and P. Zugec  
*The (n,  $\alpha$ ) reaction in the s-process branching point  $^{59}\text{Ni}$*   
Nuclear Data Sheets 2014, Vol.120, 208
99. C. Massimi, P. Koehler, F. Mingrone, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Becares, F. Becvar, F. Belloni, E. Berthoumieux, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calvino, D. Cano-Ott, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, N. Colonna, G. Cortes, M.A. Cortes-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. Garcia, 7 G. Giubrone, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, A. Hernandez-Prieto, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, M. Kokkoris, M. Krticka, 8 J. Kroll, C. Lampoudis, C. Langer, E. Leal-Cidoncha, C. Lederer, H. Leeb, L.S. Leong, R. Losito,

- A. Mallick, A. Manousos, J. Marganec, T. Martinez, P.F. Mastinu, M. Mastromarco, E. Mendoza, A. Mengoni, P.M. Milazzo, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego, M.S. Robles, C. Rubbia, M. Sabate-Gilarte, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiss, T. Wright, and P. Zügel
- New measurement of the  $^{25}\text{Mg}(n, \gamma)$  reaction cross-section*  
Nuclear Data Sheets Vol.119, 2014, 110
100. G. Giubrone, C. Domingo-Pardo, J.L. Tain, C. Lederer, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Becares, F. Becvar, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calviño, D. Cano-Ott, C. Carrapiço, F. Cerutti, E. Chiaveri, M. Chin, N. Colonna, G. Cortes, M.A. Cortes-Giraldo, M. Diakaki, I. Duran, R. Dressler, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. Garcia, M.B. Gomez-Hornillos, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, P. Gurusamy, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, G. Korschinek, M. Kr̃ticka, J. Kroll, C. Langer, H. Leeb, L.S. Leong, R. Losito, A. Manousos, C. Massimi, J. Marganec, T. Martinez, P.F. Mastinu, M. Mastromarco, M. Meaze, E. Mendoza, A. Mengoni, P. M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, M. Pignatari, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego, F. Roman, C. Rubbia, R. Sarmiento, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiss, T. Wright, and P. Zügel
- Measurement of the  $^{54,57}\text{Fe}(n, \gamma)$  Cross Section in the Resolved Resonance Region at CERN n TOF*  
Nuclear Data Sheets, Vol.119, 2014, 117
101. E. Chiaveri, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Becares, F. Becvar, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calviño, D. Cano-Ott, C. Carrapico, F. Cerutti, M. Chin, N. Colonna, G. Cortés, M.A. Cortés-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. García, G. Giubrone, M.B. Gomez-Hornillos, I.F. Goncalves, E. González-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, P. Gurusamy, A. Hernández-Prieto, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, M. Kr̃ticka, J. Kroll, C. Lampoudis, C. Langer, E. Leal-Cidoncha, C. Lederer, H. Leeb, L.S. Leong, R. Losito, A. Mallick, A. Manousos, J. Marganec, T. Martínez, C. Massimi, P.F. Mastinu, M. Mastromarco, M. Meaze, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego, M.S. Robles, F. Roman, C. Rubbia, M. Sabaté-Gilarte, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiss, T. Wright, and P. Zügel
- The CERN n TOF Facility: Neutron Beams Performances for Cross Section Measurements*  
Nuclear Data Sheets 119 (2014) 1–4

102. C. Guerrero, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. B'ecares, F. Becvar, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calvi'no, D. Cano-Ott, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, N. Colonna, G. Cort'es, M.A. Cort'es-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. Garc'ia, G. Giubrone, M.B. G'omez-Hornillos, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, F. Gunsing, P. Gurusamy, D.G. Jenkins, E. Jericha, Y. Kadi, F. K'appeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, G. Korschinek, M. Krti'cka, J. Kroll, C. Langer, C. Lederer, H. Leeb, L.S. Leong, R. Losito, A. Manousos, J. Marganec, T. Martinez, P.F. Mastinu, M. Mastromarco, C. Massimi, M. Meaze, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondelaers, C. Paradela, A. Pavlik, J. Perkowski, M. Pignatari, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego, F. Roman, C. Rubbia, R. Sarmento, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weis, T.J. Wright, and P. Žugec  
*Investigation of Neutron-induced Reactions at n TOF: an Overview of the 2009-2012 Experimental Program*  
 Nuclear Data Sheets 119 (2014) 5–9
103. J. Balibrea, E. Mendoza, D. Cano-Ott, C. Guerrero, E. Berthoumieux, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Becares, F. Becvar, F. Belloni, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calvi'no, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, N. Colonna, G. Cort'es, M.A. Cort'es-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. Garc'ia, G. Giubrone, M.B. G'omez-Hornillos, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, F. Gunsing, P. Gurusamy, D.G. Jenkins, E. Jericha, Y. Kadi, F. K'appeler, D. Karadimos, T. Kawano, N. Kivel, P. Koehler, M. Kokkoris, G. Korschinek, M. Krti'cka, J. Kroll, C. Langer, C. Lampoudis, C. Lederer, H. Leeb, L.S. Leong, R. Losito, A. Manousos, J. Marganec, T. Mart'inez, P.F. Mastinu, M. Mastromarco, C. Massimi, M. Meaze, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondelaers, C. Paradela, A. Pavlik, J. Perkowski, M. Pignatari, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego, F. Roman, C. Rubbia, R. Sarmento, P. Schillebeeckx, S. Schmidt, D. Schumann, I. Stetcu, M. Sabat'e, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiss, T.J. Wright, and P. Žugec  
*Measurement of the Neutron Capture Cross Section of the Fissile Isotope <sup>235</sup>U with the CERN n TOF Total Absorption Calorimeter and a Fission Tagging Based on Micromegas Detectors*  
 Nuclear Data Sheets 119 (2014) 10–13
104. F. Mingrone, C. Massimi, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. B'ecares, F. Becvar, F. Belloni, E. Berthoumieux, J. Billowes, D. Bosnar, M. Brugger, M. Calviani, F. Calvi'no, D. Cano-Ott, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, N. Colonna, G. Cort'es, M.A. Cort'es-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. Garcia, G. Giubrone, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, A. Hernandez-Prieto, D.G. Jenkins, E. Jericha, Y. Kadi, F. K'appeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, M. Krti'cka, J. Kroll, C. Lampoudis, C. Langer, E. Leal-Cidoncha, C. Lederer, H. Leeb, L.S. Leong,



- R. Losito, A. Mallick, A. Manousos, J. Marganec, T. Martínez, P.F. Mastinu, M. Mastromarco, E. Mendoza, A. Mengoni, P.M. Milazzo, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego, M.S. Robles, C. Rubbia, M. Sabaté-Gilarte, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiss T. Wright, and P. Žugec  
*Measurement of the  $^{238}\text{U}$  Radiative Capture Cross Section with C6D6 at the CERN n TOF Facility*  
 Nuclear Data Sheets 119 (2014) 18–21
105. T. Wright, C. Guerrero, J. Billowes, T. Ware, D. Cano-Ott, E. Mendoza, C. Massimi, F. Mingrone, F. Gunsing, E. Berthoumieux, C. Lampoudis, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Bécaries, F. Becvar, F. Belloni, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calviño, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, N. Colonna, G. Cortes, M.A. Cortes-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. García, M.B. Gómez-Hornillos, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, G. Giubrone, P. Gurusamy, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, G. Korschinek, M. Kr̃t̃icka, J. Kroll, C. Langer, C. Lederer, H. Leeb, L.S. Leong, R. Losito, A. Manousos, J. Marganec, T. Martínez, P.F. Mastinu, M. Mastromarco, M. Meaze, A. Mengoni, P.M. Milazzo, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, M. Pignatari, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego, F. Roman, C. Rubbia, R. Sarmiento, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, M. Weigand, C. Weiss and P. Žugec  
*High-precision Measurement of the  $^{238}\text{U}(n,\gamma)$  Cross Section with the Total Absorption Calorimeter (TAC) at n TOF, CERN*  
 Nuclear Data Sheets 119 (2014) 26–30
106. M. Barbagallo, N. Colonna, M.J. Vermeulen, S. Altstadt, J. Andrzejewski, L. Audouin, V. Bécaries, F. Becvar, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calviño, D. Cano-Ott, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, G. Cortes, M.A. Cortes-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. García, G. Giubrone, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, A. Hernández-Prieto, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, M. Kr̃t̃icka, J. Kroll, C. Lampoudis, C. Langer, E. Leal-Cidoncha, C. Lederer, H. Leeb, L.S. Leong, R. Losito, A. Mallick, A. Manousos, J. Marganec, T. Martínez, C. Massimi, P.F. Mastinu, M. Mastromarco, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego, M.S. Robles, C. Rubbia, M. Sabaté-Gilarte, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiss, T. Wright, and P. Žugec  
*Capture Cross Section of  $^{236}\text{U}$ : the n TOF Results*  
 Nuclear Data Sheets 119 (2014) 45–47

107. Tsinganis, E. Berthoumieux, C. Guerrero, N. Colonna, M. Calviani, R. Vlastou, S. Andriamonje, V. Vlachoudis, F. Gunsing, C. Massimi, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Becares, F. Becvar, F. Belloni, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, F. Calviño, D. Cano-Ott, C. Carrapico, F. Cerutti, M. Chin, G. Cortes, M.A. Cortés-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. Garcia, G. Giubrone, M.B. Gómez-Hornillos, I.F. Goncalves, E. González-Romero, E. Griesmayer, P. Gurusamy, A. Hernández-Prieto, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, M. Kr̃t̃icka, J. Kroll, C. Lampoudis, C. Langer, E. Leal-Cidoncha, C. Lederer, H. Leeb, L.S. Leong, R. Losito, A. Mallick, A. Manousos, J. Marganec, T. Martinez, C. Massimi, P.F. Mastinu, M. Mastromarco, M. Meaze, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondelaers, C. Paradela, A. Pavlik, J. Perkowski, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarth, A. Riego, M.S. Robles, F. Roman, C. Rubbia, M. Sabaté-Gilarte, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, A. Wallner, T. Ware, M. Weigand, C. Weiss, T. Wright, and P. Žugec  
*Measurement of the  $^{242}\text{Pu}(n,f)$  Cross Section at the CERN n TOF Facility*  
 Nuclear Data Sheets 119 (2014) 58–60
108. E. Mendoza, D. Cano-Ott, C. Guerrero, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Becares, F. Becvar, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calviño, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, N. Colonna, G. Cortés, M.A. Cortés-Giraldo, M. Diakaki, C. Domingo-Pardo, I. Duran, R. Dressler, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. García, G. Giubrone, M.B. Gomez-Hornillos, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, F. Gunsing, P. Gurusamy, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, G. Korschinek, M. Kr̃t̃icka, J. Kroll, C. Langer, C. Lederer, H. Leeb, L.S. Leong, R. Losito, A. Manousos, J. Marganec, T. Martínez, P.F. Mastinu, M. Mastromarco, C. Massimi, M. Meaze, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondelaers, C. Paradela, A. Pavlik, J. Perkowski, M. Pignatari, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarth, A. Riego, F. Roman, C. Rubbia, R. Sarmiento, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiss, T.J. Wright, and P. Žugec  
*Measurement of the  $^{241}\text{Am}$  and the  $^{243}\text{Am}$  Neutron Capture Cross Sections at the n TOF Facility at CERN*  
 Nuclear Data Sheets 119 (2014) 65–68
109. P. Žugec, M. Barbagallo, N. Colonna, D. Bosnar, S. Altstadt, J. Andrzejewski, L. Audouin, V. Bečares, F. Bečvār, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, M. Brugger, M. Calviani, F. Calvino, D. Cano-Ott, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, G. Cortes, M.A. Cortes-Giraldo, M. Diakaki, C. Domingo-Pardo, R. Dressler, I. Duran, N. Dzysiuk, C. Eleftheriadis, A. Ferrari, K. Fraval, S. Ganesan, A.R. Garcia, G. Giubrone, M.B. Gomez-Hornillos, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, P. Gurusamy, S. Heintz, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, N. Kivel, P. Koehler, M. Kokkoris, M. Kr̃t̃icka, J. Kroll, C. Langer, C. Lederer, H. Leeb, L.S. Leong, S. Lo Meo, R. Losito, A. Manousos, J. Marganec, T. Martinez, C. Massimi, P.F. Mastinu, M.

- Mastromarco, M. Meaze, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, M. Pignatari, A. Plompen, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riegov, F. Roman, C. Rubbia, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarrio, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Versaci, M.J. Vermeulen, V. Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiss, and T. Wright,  
*Experimental neutron capture data of  $^{58}\text{Ni}$  from the CERN n\_TOF facility*,  
 EPJ Web of Conferences 93, 02009 (2015)  
<http://dx.doi.org/10.1051/epjconf/20159302009>
110. Wallner, M. Bichler, K. Buzcak, R. Dressler, L.K. Fifield, D. Schumann, J.H. Sterba, S.G. Tims, G. Wallner, W. Kutschera  
*Settling the half-life of  $^{60}\text{Fe}$  – fundamental for a versatile astrophysical chronometer*  
 PRL 114, 041101 (2015)  
 DOI: [10.1103/PhysRevLett.114.041101](https://doi.org/10.1103/PhysRevLett.114.041101)
111. B. Alpert, M. Balata, D. Bennett, M. Biasotti, C. Boragno, C. Brofferio, V. Ceriale, M. De Gerone, R. Dressler, M. Faverzani, E. Ferri, J. Fowler, F. Gatti, A. Giachero, S. Heinitz, G. Hilton, U. Köster, M. Lusignoli, M. Maino, J. Mates, S. Nisi, R. Nizzolo, A. Nucciottia, G. Pessina, G. Pizzigoni, A. Puiu, S. Ragazzi, C. Reintsema, M. Ribeiro-Gomes, D. Schmidt, D. Schumann, M. Sisti, D. Swetz, F. Terranova, J. Ullom  
*HOLMES The Electron Capture Decay of  $^{163}\text{Ho}$  to Measure the Electron Neutrino Mass with sub-eV sensitivity*  
 Eur. Phys. J. C (2015) 75:112; DOI [10.1140/epjc/s10052-015-3329-5](https://doi.org/10.1140/epjc/s10052-015-3329-5)
112. C. Guerrero, D. Cano-Ott, E. Mendoza, T. Wright and the n\_TOF collaboration  
*Correction of dead-time and pile-up in a detector array for constant and rapidly varying counting rates*  
 NIM A, 777 (2015), 63, <http://dx.doi.org/10.1016/j.nima.2014.12.008>
113. C. Paradela, M. Calviani, D. Tarrio, E. Leal-Cidoncha, L. S. Leong, L. Tassan-Got, C. Le Naour, I. Duran, N. Colonna, L. Audouin, M. Mastromarco, S. Lo Meo, A. Ventura, G. Aerts, S. Altstadt, H. Alvarez, F. Alvarez-Velarde, S. Andriamonje, J. Andrzejewski, G. Badurek, M. Barbagallo, P. Baumann, V. Bečáres, F. Bečvář, F. Belloni, B. Berthier, E. Berthoumieux, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, F. Calvino, D. Cano-Ott, R. Capote, C. Carrapico, P. Cennini, F. Cerutti, E. Chiaveri, M. Chin, G. Cortés, M. A. Cortés-Giraldo, L. Cosentino, A. Couture, J. Cox, S. David, M. Diakaki, I. Dillmann, C. Domingo-Pardo, R. Dressler, W. Dridi, C. Eleftheriadis, M. Embid-Segura, L. Ferrant, A. Ferrari, P. Finocchiaro, K. Fraval, K. Fujii, W. Furman, S. Ganesan, A. R. García, G. Giubrone, M. B. Gomez-Hornillos, I. F. Gonçalves, E. González-Romero, A. Goverdovski, F. Gramegna, E. Griesmayer, C. Guerrero, F. Gunsing, P. Gurusamy, R. Haight, M. Heil, S. Heinitz, M. Igashira, S. Isaev, D. G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, D. Karadimos, D. Karamanis, M. Kerveno, V. Ketlerov, N. Kivel, M. Kokkoris, V. Konovalov, M. Krück, J. Kroll, C. Lampoudis, C. Langer, C. Lederer, H. Leeb, R. Losito, M. Lozano, A. Manousos, J. Marganiec, T. Martínez, S. Marrone, C. Massimi, P. Mastinu, E. Mendoza, A. Mengoni, P. M. Milazzo, F. Mingrone, M. Mirea, W. Mondelaers, C. Moreau, M. Mosconi, A. Musumarra, S. O'Brien, J. Pancin, N. Patronis, A. Pavlik, P. Pavlopoulos, J. Perkowski, L. Perrot, M. T. Pigni, R. Plag, A. Plompen, L. Plukis, A. Poch, C. Pretel, J. Praena, J. Quesada, T. Rauscher, R. Reifarh, A. Riego, F. Roman, G. Rudolf, C. Rubbia, P. Rullhusen, J. Salgado, C. Santos, L. Sarchiapone, R. Sarmiento, A. Saxena, P. Schillebeeckx, S. Schmidt, D.

- Schumann, C. Stephan, G. Tagliente, J. L. Tain, L. Tavora, R. Terlizzi, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, R. Versaci, M. J. Vermeulen, D. Villamarin, M. C. Vincente, V. Vlachoudis, R. Vlastou, F. Voss, A. Wallner, S. Walter, T. Ware, M. Weigand, C. Weiß, M. Wiesher, K. Wisshak, T. Wright, and P. Zugec  
*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*  
 Phys Rev C 91, 024602 (2015)  
 DOI: [10.1103/PhysRevC.91.024602](https://doi.org/10.1103/PhysRevC.91.024602)
114. Bernadette Hammer-Rotzler, Jörg Neuhausen, Viktor Boutellier, Michael Wohlmuther, Andreas Türler, Dorothea Schumann, Radiochemical determination of rare earth elements in proton irradiated lead-bismuth eutectic, *Anal. Chem.*, **2015**, 87 (11), pp 5656–5663 DOI: 10.1021/acs.analchem.5b00955
115. B. Hammer-Rotzler, J. Neuhausen, C. Vockenhuber, V. Boutellier, M. Wohlmuther, A. Türler, D. Schumann  
*Radiochemical determination of  $^{129}\text{I}$  and  $^{36}\text{Cl}$  in MEGAPIE, a proton irradiated lead-bismuth eutectic spallation target*  
 Radiochimica Acta 2015, DOI 10.1515/ract-2015-2420
116. Tsinganis, M. Barbagallo, E. Berthoumieux, M. Calviani, E. Chiaveri, N. Colonna, M. Diakaki, I. Duran, C. Guerrero, F. Gunsing, E. Leal-Cidoncha, L.-S. Leong, C. Paradela, D. Tarrio, L. Tassan-Got, R. Vlastou, and the n\_TOF Collaboration  
*The fission programme at the CERN n\_TOF facility*  
 Physics Procedia 64 ( 2015) 130 – 139, doi: 10.1016/j.phpro.2015.04.017
117. T. Heftrich, M. Bichler, R. Dressler, K. Eberhardt, A. Endres, J. Glorius, K. Göbel, G. Hampel, M. Heftrich, F. Käppeler, C. Lederer, M. Mikorski, R. Plag, R. Reifarh, C. Stieghorst, S. Schmidt, D. Schumann, Z. Slavkovská, K. Sonnabend, A. Wallner, M. Weigand, N. Wiehl, and S. Zauner  
*The thermal neutron capture cross section of the radioactive isotope  $^{60}\text{Fe}$*   
 Phys. Rev. C **92**, 015806, <http://dx.doi.org/10.1103/PhysRevC.92.015806>
118. Chia-Ying Chuang, Peter H. Santschi, Liang-SawWen, Laodong Guo, Chen Xu, Saijin Zhang, Yuelu Jiang , Yi-Fang Ho , Kathleen A. Schwehr, Antonietta Quigg, Chin-Chang Hung , Marin Ayrarov, Dorothea Schumann, Binding of Th, Pa, Pb, Po and Be radionuclides to marine colloidal macromolecular organic matter, *Marine Chemistry* 173 (2015) 320
119. Weifeng Yang, Laodong Guob, Chia-Ying Chuang, Peter H. Santschi, Dorothea Schumann, Marin Ayrarov  
*Influence of organic matter on the adsorption of  $^{210}\text{Pb}$ ,  $^{210}\text{Po}$  and  $^7\text{Be}$  and their fractionation on nanoparticles in seawater*  
 Earth and Planetary Science Letters 423 (2015) 193
120. St. J. Murphy, A.; Schumann, D., Stora, T.  
*Exploitation of Accelerator Waste for Radioactive Ion Beams: A Nuclear Astrophysics Application*, Nuclear Physics News Volume: 25 Issue: 1 Pages: 23-9
121. C. Weiß, E. Chiaveri, S. Girod, V. Vlachoudis, O. Aberle, S. Barros, I. Bergström, E. Berthoumieux, M. Calviani, C. Guerrero, M. Sabate-Gilarte, A. Tsinganis, J. Andrzejewski, L. Audouin, M. Bacak, J. Balibrea-Correa, M. Barbagallo, V. B´ecares, C. Beinrucker, F. Belloni, F. Becvar, J. Billowes, D. Bosnar, M. Brugger, M. Caamano, F. Calvino, D. Cano-Ott, F. Cerutti, N. Colonna, G. Cortes, M.A. Cortes-Giraldo, L. Cosentino, L. Damone, K. Deo, M. Diakak, C. Domingo-Pardo, E. Dupont, I. Duran, R. Dressler, B. Fernandez-Dominguez, A.

Ferrari, P. Ferreira, P. Finocchiaro, R. Frost, V. Furman, S. Ganesan, A. Gheorghe, T. Glodariu, K. Göbel, I.F. Goncalves, E. Gonzalez-Romero, A. Goverdovski, E. Griesmayer, F. Gunsing, H. Harada, T. Heftrich, S. Heinitz, A. Hernandez-Prieto, J. Heyse, D.G. Jenkins, E. Jericha, Y. Kadi, F. Käppeler, T. Katabuchi, P. Kavargin, V. Ketlerov, V. Khryachkov, A. Kimura, N. Kivel, M. Kokkoris, M. Krticka, E. Leal-Cidoncha, C. Lederer, H. Leeb, J. Leredegui, M. Licata, S. Lo Meo, R. Losito, D. Macina, J. Marganec, T. Martinez, C. Massimi, P.F. Mastinu, M. Mastromarco, F. Matteucci, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, S. Montesano, A. Musumarra, R. Nolte, R. Palomo Pinto, C. Paradela, N. Patronis, A. Pavlik, J. Perkowski, I. Porras-Sanchez, J. Praena, J.M. Quesada, T. Rauscher, R. Reifarh, A. Riego-Perez, M.S. Robles, C. Rubbia, J. Ryan, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, P. Sedyshev, G. Smith, A. Stamatopoulos, P. Steinegger, S.V. Suryanarayana, G. Tagliente, J.L. Tain, A. Tarifeno-Saldivia, L. Tassan-Got, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, R. Vlastou, A. Wallner, S. Warren, M. Weigand, T. Wright, P. Žugec

*The new vertical Neutron Beam Line at the CERN n TOF. Facility Design and Outlook on the Performance*

NIMA 799, 90, 2015

122. K. Ostdiek, T. Anderson, W. Bauder, M. Bowers, P. Collon, R. Dressler, J. Greene, W. Kutschera, W. Lu, M. Paul, D. Roberston, D. Schumann, M. Skulski, A. Wallner  
*Towards a measurement of the half-life of  $^{60}\text{Fe}$  for stellar and early SolarSystem models*  
NIMB 2015, <http://dx.doi.org/10.1016/j.nimb.2015.05.033>
123. D. Schumann, R. Dressler  
*Development of an extraction system for the separation of Dubnium from Rutherfordium using MIBK and HCl/HF solutions*  
Radiochimica Acta, 2015, DOI 10.1515/ract-2015-2398
124. Chia-Ying Chuang, Peter H. Santschi, Chen Xu, Yuelu Jiang, Yi-Fang Ho, Antonietta Quigg, Laodong Guo, Patrick G. Hatcher, Marin Ayrarov, Dorothea Schumann  
*Molecular level characterization of diatom associated biopolymers that bind  $^{234}\text{Th}$ ,  $^{233}\text{Pa}$ ,  $^{210}\text{Pb}$ , and  $^7\text{Be}$  in seawater: a case study with *Phaeodactylum tricornutum**  
Journal of Geophysical Research, Biogeoscience 2015120, doi:10.1002/2015JG002970.
125. C. Lederer, C. Massimi, E. Berthoumieux, N. Colonna, R. Dressler, C. Guerrero, F. Gunsing, F. Käppeler, N. Kivel, M. Pignatari, R. Reifarh, D. Schumann, A. Wallner, S. Altstadt, S. Andriamonje, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Bécares, F. Bečvář, F. Belloni, B. Berthier, J. Billowes, V. Boccone, D. Bosnar, M. Brugger, M. Calviani, F. Calviño, D. Cano-Ott, C. Carrapiço, F. Cerutti, E. Chiaveri, M. Chin, G. Cortés, M. A. Cortés-Giraldo, I. Dillmann, C. Domingo-Pardo, I. Duran, N. Dzysiuik, C. Eleftheriadis, M. Fernández-Ordóñez, A. Ferrari, K. Fraval, S. Ganesan, A. R. García, G. Giubrone, M. B. Gómez-Hornillos, I. F. Gonçalves, E. González-Romero, F. Gramegna, E. Griesmayer, P. Gurusamy, S. Harrisopulos, M. Heil, K. Ioannides, D. G. Jenkins, E. Jericha, Y. Kadi, D. Karadimos, G. Korschinek, M. Krtička, J. Kroll, C. Langer, E. Leebos, H. Leeb, L. S. Leong, R. Losito, M. Lozano, A. Manousos, J. Marganec, S. Marrone, T. Martinez, P. F. Mastinu, M. Mastromarco, M. Meaze, E. Mendoza, A. Mengoni, P. M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, C. Paradela, A. Pavlik, J. Perkowski, R. Plag, A. Plompen, J. Praena, J. M. Quesada, T. Rauscher, A. Riego, F. Roman, C. Rubbia, R. Sarmiento, P. Schillebeeckx, S. Schmidt, G. Tagliente, J. L. Tain, D. Tarrío, L. Tassan-Got, A. Tsinganis, L. Tlustos, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, M. J. Vermeulen, R. Versaci, V. Vlachoudis, R. Vlastou, T. Ware, M. Weigand, C. Weiß, T. J. Wright, P. Žugec, n\_TOF. Collaboration,

- Erratum:  $^{62}\text{Ni}(n,\gamma)$  and  $^{63}\text{Ni}(n,\gamma)$  cross sections measured at the n\_TOF facility at CERN [Phys. Rev. C 89, 025810 (2014)]*  
 Phys. Rev. C **92**, 019903(E) (2015), DOI: 10.1103/PhysRevC.92.019903
126. M. Weigand, T.A. Bredeweg, A. Couture, M. Jandel, F. Käppeler, C. Lederer, N. Kivel, G. Korschinek, M. Kr̃iĉka, J.M. O'Donnell, R. Reifarh, D. Schumann, J.L. Ullmann, and A. Wallner  
*The  $^{63}\text{Ni}(n,\gamma)$  cross section measured with DANCE*  
 PRC **92**, 045810 (2015), DOI: [10.1103/PhysRevC.92.045810](https://doi.org/10.1103/PhysRevC.92.045810)
127. P. Źugec, C. WeiŹ, C. Guerrero, F. Gunsing, V. Vlachoudis, M. Sabate-Gilarte, A. Stamatopoulos, T. Wright, J. Lerendegui-Marco, F. Mingrone, J.A. Ryan, S.G. Warren, A. Tsinganis, M. Barbagallo and The n\_TOF collaboration, Pulse processing routines for neutron time-of-flight data, Nuclear Instruments and Methods in Physics Research A **812**(2016)134–144
128. P. Źugec, D. Bosnar, N. Colonna, F. Gunsing and the n\_TOF collaboration  
*An improved method for estimating the neutron background in measurements of neutron capture reactions*  
 NIM A **826** (2016) 80
129. L. Cosentino, A. Musumarra, M. Barbagallo, A. Pappalardo, N. Colonna, L. Damone, M. Piscopo, P. Finocchiaro, E. Maugeri, S. Heinitz, D. Schumann, R. Dressler, N. Kivel, O. Aberle, J. Andrzejewski, L. Audouin, M. Ayrano, M. Bacak, S. Barros, J. Balibrea-Correa, V. Béc̃ares, F. Beĉṽarĭ, C. Beinrucker, E. Berthoumieux, J. Billowes, D. Bosnar, M. Brugger, M. Caamaño, M. Calviani, F. Calviño, D. Cano-Ott, R. Cardella, A. Casanovas, D.M. Castelluccio, F. Cerutti, Y.H. Chen, E. Chiaveri, G. Cortés, M.A. Cortés-Giraldo, M. Diakaki, C. Domingo-Pardo, E. Dupont, I. Duran, B. Fernandez-Dominguez, A. Ferrari, P. Ferreira, W. Furman, S. Ganesan, A. García-Rios, A. Gawlik, I. Gheorghe, T. Glodariu, K. Göbel, I.F. Gonçalves, E. González-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, H. Harada, T. Heftrich, J. Heyse, D.G. Jenkins, E. Jericha, F. Käppeler, T. Katabuchi, P. Kavargin, A. Kimura, M. Kokkoris, M. Kr̃iĉka, E. Leal-Cidoncha, J. Lerendegui, C. Lederer, H. Leeb, S. LoMeo, S. Lonsdale, R. Losito, D. Macina, J. Marganec, T. Martínez, C. Massimi, P. Mastinu, M. Mastromarco, F. Matteucci, A. Mazzone, E. Mendoza, A. Mengoni, P.M. Milazzo, F. Mingrone, M. Mirea, S. Montesano, R. Nolte, A. Oprea, N. Patronis, A. Pavlik, J. Perkowski, J. Praena, J. Quesada, K. Rajeev, T. Rauscher, R. Reifarh, A. Riego-Perez, P. Rout, C. Rubbia, J. Ryan, M. Sabate-Gilarte, A. Saxena, P. Schillebeeckx, S. Schmidt, P. Sedyshev, A.G. Smith, A. Stamatopoulos, G. Tagliente, J.L. Tain, A. Tarifeño-Saldivia, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, A. Ventura, V. Vlachoudis, R. Vlastou, J. Voltaire, A. Wallner, S. Warren, M. Weigand, C. WeiŹ, C. Wolf, P.J. Woods, T. Wright, P. Źugec  
*Experimental setup and procedure for the measurement of the  $^7\text{Be}(n,\alpha)\alpha$  reaction at n\_TOF*  
 Nuclear Instruments and Methods in Physics Research A **830**(2016)197–205
130. P. Źugec, N. Colonna, D. Bosnar, A. Ventura, A. Mengoni, S. Altstadt, J. Andrzejewski, L. Audouin, M. Barbagallo, V. Béc̃ares, F. Beĉṽarĭ, F. Belloni, E. Berthoumieux, J. Billowes, V. Boccone, M. Brugger, M. Calviani, F. Calvino, D. Cano-Ott, C. Carrapico, F. Cerutti, E. Chiaveri, M. Chin, G. Cortes, M.A. Cortes-Giraldo, L. Cosentino, M. Diakaki, C. Domingo-Pardo, R. Dressler, I. Duran, C. Eleftheriadis, A. Ferrari, P. Finocchiaro, K. Fraval, S. Ganesan, A.R. Garica, G. Giubrone, M.B. Gomez-Hornillos, I.F. Goncalves, E. Gonzalez-Romero, E. Griesmayer, C. Guerrero, F. Gunsing, P. Gurusamy, S. Heinitz, D.G. Jenkins, E. Jericha, F. Käppeler, D. Karadimos, N. Kivel, M. Kokkoris, M. Kr̃iĉka, J. Kroll, C. Langer, C. Lederer, H. Leeb, L.S. Leong, S. Lo Meo, R. Losito, A. Manousos, J. Marganec, T. Martinez,

- C. Massimi, P. Mastinu, M. Mastromarco, E. Mendoza, P.M. Milazzo, F. Mingrone, M. Mirea, W. Mondalaers, A. Musumarra, C. Paradela, A. Pavlik, J. Perkowski, A. Plompen, J. Praena, J. Quesada, T. Rauscher, R. Reifarh, A. Riego, F. Roman, C. Rubbia, R. Sarmento, A. Saxena, P. Schillebeeckx, S. Schmidt, D. Schumann, G. Tagliente, J.L. Tain, D. Tarr\_\_o, L. Tassan-Got, A. Tsinganis, S. Valenta, G. Vannini, V. Variale, P. Vaz, R. Versaci, M.J. Vermeulen, Vlachoudis, R. Vlastou, A. Wallner, T. Ware, M. Weigand, C. Weiss, and T. Wright  
*Measurement of the  $^{12}\text{C}(n,p)^{12}\text{B}$  integral cross section up to 10 GeV*  
Eur.Phys.J.A (2016)52;101
131. S. Lo Meo, M.A. Cort\_es-Giraldo, C. Massimi, J. Lerendegui-Marco, M. Barbagallo, N. Colonna, C. Guerrero, D. Mancusi, F. Mingrone, J.M. Quesada, M. Sabate-Gilarte, G. Vannini, V. Vlachoudis, and The n\_TOF Collaboration ([www.cern.ch/ntof](http://www.cern.ch/ntof))  
*GEANT4 simulations of the n TOF spallation source and their validation*  
Eur. Phys. J. A (2016) 52: 100, DOI: 10.1140/epja/i2016-16100-8
132. D. Hougbo, A.P. Bernardes, J.C. David, M. Delonca, K. Kravalis, S. Lahiri, R. Losito, C. Maglioni, A. Marchix, T.M. Mendonca, L. Popescu, D. Schumann, P. Schuurmans, T. Stora, J. Voltaire, J. Vierendeels,  
*Development of a liquid Pb-Bi target for high-power ISOL facilities,*  
NIM 2016, <http://dx.doi.org/10.1016/j.nimb.2016.01.021>