

Nuclear Instruments and Methods

Journals

R. Terlizzi *et al.* (n_TOF collaboration), The $^{139}\text{La}(n,\gamma)$ cross section: key for the onset of the s-process, *Phys. Rev. C* 75, 035807, 2007.

C. Domingo-Pardo *et al.* (n_TOF collaboration), Measurement of the neutron cross section of the s-only isotope ^{204}Pb from 1 eV to 440 keV, *Phys. Rev. C* 75, 015806, 2007.

I. Savvidis *et al.* (n_TOF collaboration), n_TOF experiment: neutron beam profile and fast neutron background determination, using CR-39 passive neutron detector, *Radiation Measurements* 42, 1492-1498, 2007.

N. Pinhão, pypk - A Python extension module to handle chemical kinetics in plasma physics modelling, *The PythonPapers*, Vol. 2, (4) 35-48, 2007.

Conference Proceedings

C. Carrapiço, S. Andriamonje, E. Berthoumieux, I.F. Gonçalves, F. Gunsing, A. Mengoni, P. Vaz1, V. Vlachoudis, Design study for a new spallation target of the n_TOF facility at CERN, *Int. Conf. Nuclear Data for Science and Techn.*, Nice, France, 22-27 Apr. 2007

C. Domingo-Pardo *et al.* (n_TOF collaboration), Improved lead and bismuth (n,) cross sections and their astrophysical Impact, *Int. Conf. Nuclear Data for Science and Technology*, Nice, France, 22-27 Apr. 2007

C. Lampoudis *et al.* (n_TOF collaboration), The ^{234}U neutron capture cross section measurement at the n TOF facility, *Int. Conf. on Nuclear Data for Science and Technology*, Nice, France, 22-27 Apr. 2007.

K. Fujii *et al.* (n_TOF collaboration), Capture cross section measurements of $^{186,187,188}\text{Os}$ at n TOF: the resolved resonance region, *Int. Conf. Nuclear Data for Science and Technology*, Nice, France, 22-27 Apr. 2007

E. Berthoumieux *et al.* (n_TOF collaboration), Simultaneous measurement of the neutron capture and fission yields of ^{233}U , *Int. Conf. on Nuclear Data for Science and Technology*, Nice, France, 22-27 Apr. 2007

C. Massimi *et al.* (n_TOF collaboration), Measurement of the $^{197}\text{Au}(n,\gamma)$ cross section at n TOF: towards a

new standard, *Int. Conf. on Nuclear Data for Science and Technology*, Nice, France, 22-27 Apr. 2007.

L. Audouin *et al.* (n_TOF collaboration), Neutron-induced fission cross sections measurements at n TOF, *Proc. of Int. Conf. on Nuclear Data for Science and Technology*, Nice, France, 22-27 Apr. 2007.

F. Gunsing *et al.* (n_TOF collaboration), Neutron resonance spectroscopy at n TOF at CERN, *Int. Conf. on Nuclear Data for Science and Technology*, Nice, France, 22-27 Apr. 2007.

Marco Calviani *et al.* (n_TOF collaboration), Measurement of neutron induced fission of ^{235}U , ^{233}U and ^{245}Cm with the FIC detector at the CERN n TOF facility, *Int. Conf. on Nuclear Data for Science and Technology*, Nice, France, 22-27 Apr. 2007.

G. Tagliente *et al.* (n_TOF collaboration), Measurement of the $^{90,91,92,93,94,96}\text{Zr}(n,)$ and $^{139}\text{La}(n,)$ cross sections at n TOF, *Int. Conf. on Nuclear Data for Science and Technology*, Nice, France, 22-27 Apr. 2007.

C. Guerrero *et al.* (n_TOF collaboration), The neutron capture cross sections of $^{237}\text{Np}(n,)$ and $^{240}\text{Pu}(n,)$ and its relevance in the transmutation of nuclear waste, *Int. Conf. on Nuclear Data for Science and Technology*, Nice, France, 22-27 Apr. 2007.

N. Pinhão, PLASMAKIN - A Python package to handle chemical kinetics in plasma physics modelling, *EuroPython 2007*, Vilnius, Lithuania, 9-11 July 2007.

Communications

I.F. Gonçalves, Response of a Bonner sphere spectrometer with a Li scintillator, *Int. Workshop on Uncertainty Assessment in Computational Dosimetry*, Bologna, Italy, 8-10 Oct 2007. Oral.

Internal Reports

J.B. Manteigas, J. Neves, C. Cruz, Technical Assistance in the Field of Engineering Applications of Radiation and Radioisotopes, ITN/2007.

J. Neves, J. Louro, J. Manteigas, Gamma Isotope TLC Analyser, "RADIOSCAN", ITN/2007.

J. Neves, C. Cruz, J. Manteigas, 6 Channel Micro-Current Source, ITN/2007