

Advanced Nuclear Science and Technology Techniques Workshop

Monday 15 April 2024

The MeASURE Experience - Part 1 - Auditorium (14:00-15:30)

-Conveners: Andy Buffler

time	[id] title	presenter
14:00	[172] Introduction to MeASURE	BUFFLER, Andy
14:05	[173] Introduction to PEPT Applications	LEADBEATER, Thomas
14:10	[136] Controlled density tracers for Positron Emission Particle Tracking (PEPT)	Mr VAN HEERDEN, Michael
14:25	[158] Angular correlation corrections for absolute activity measurements using γ – γ coincidence	CHAPLIN, Mikayla
14:40	[151] Digital signal processing for improved signal/noise in PET imaging.	Ms MCKNIGHT, Alice
14:45	[154] A new time interpolation algorithm to increase location rates of positron emission particle tracking measurements	PERIN, Rayhaan
14:50	[174] Introduction to Neutron Applications	HUTTON, Tanya
14:55	[131] Non-destructive testing of concrete using fast neutron transmission spectroscopy	SEGALE, Nalesi
15:10	[147] A multimodal radiation-based technique for characterisation of materials in bulk at the n-lab, at the University of Cape Town	Mr MHLONGO, Sizwe
15:15	[132] Towards the next generation of fast neutron detectors for high-energy neutron metrology.	MAIBANE, Kutullo
15:20	[142] Measurement of total cross sections for fast neutron-induced fission of U-238 in the energy range 35 to 100 MeV	GEDULD, Dieter
15:25	[175] Discussion	