31st International Seminar on Interaction of Neutrons with Nuclei: Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics (ISINN-31)

Tuesday, 27 May 2025

Parallel Session 2: Nuclear data for applied and scientific purposes/Neutron detection & Methodical aspects: (1) - Room V7 (09:00 - 10:25)

  -Conveners: Changlin Lan

time	[id] title	presenter
09:00	[86] Measurement of the Differential Cross Sections of 6Li(n, t)4He Reaction at CSNS Back-n White Neutron Facility	JIANG, Wei
09:20	[10] (Withdrawn) Non-Statistical Effects in (p, γ) Reactions and in β-Decays	IZOSIMOV, Igor
09:40	[105] Measurement of CSNS Back-n Neutron Beam Profile with Micromegas	LI, Yang
09:55	[16] (Withdrawn) New Measurement of 165Ho Neutron Capture Cross Section Data	ZHANG, Suyalatu
10:10	[30] A Latest Result of the Neutron Capture Yield of 197Au Measured by the C6D6 Experimental Set-up System in Back-n	CUI, Zhanqiao

Parallel Session 2: Nuclear data for applied and scientific purposes/Neutron detection & Methodical aspects: (2) - Room V7 (10:50 - 12:25)

  -Conveners: Wei Jiang

time	[id] title	presenter
10:50	[33] Direct Neutron Fluence Measurement with a Novel Spherical Long Counter	LAN, Changlin
11:10	[31] Model of Experiments and a Method of Analysis of Data for Determination of Absorbed Dose of Samples for Applied Research at the NICA Facility	PUKHAEVA, Nelli
11:25	[79] Estimation of Cosmic Muon-Induced Neutron Yields via Muon Spallation in Deep Underground Environments Using (e, e'xn) Cross-Section Measurements of 181Ta	YANG, Yuqi
11:40	[81] Measurement of the 6Li(n, t)4He Cross Section with Multi-purpose Time Projection Chamber at the Back-n White Neutron Source of CSNS	CHEN, Hongkun
11:55	[120] Analysis of Chlorine Neutron Capture Experiment for Efficiency Calculation Validation	HRAMCO, Constantin
12:10	[106] Measurement of Relative Differential Cross Sections of the 1H(n, n)1H Reaction in the Neutron Energy Range from 0.45 MeV to 8.5 MeV	SUN, Kang

Parallel Session 2: Nuclear data for applied and scientific purposes/Neutron detection & Methodical aspects: (3) - Room V7 (14:00 - 15:35)

  -Conveners: Pavel Prusachenko

time	[id] title	presenter
14:00	[89] The Reconstruction Algorithm for Neutron/Gamma Imaging Detectors Based on Artificial Neural Networks	HAN, Jifeng
14:20	[39] Developing and Optimizing Signals Processing Techniques for the Tangra Project Experimental Setups	KHARLAMOV, Petr
14:35	[74] Dataset Preparation Software for Training a Neural Network to Determine the Boundaries of Full Energy Peaks in Gamma Spectra	GALUSTOV, Vladimir
14:50	[17] (Withdrawn) Fast-Timing Measurement at CSNS	ZHANG, Guangxin
15:05	[38] Compact Time-of-Flight Neutron Spectrometer with Digital Signal Processing	LASHMANOV, Nikita
15:20	[55] Progress of Shielding Integral Experiments at China Institute of Atomic Energy	ZHANG, Shiyu

Parallel Session 2: Nuclear data for applied and scientific purposes/Neutron detection & Methodical aspects: (4) - Room V7 (16:05 - 17:10)

 -Conveners: Jifeng Han

time	[id] title	presenter
16:05	[28] Characterization of an EJ-200 Plastic Scintillator Array for Experiments with 14-MeV Tagged Neutrons Using Carbon and Polyethylene Samples	PRUSACHENKO, Pavel
16:25	[56] Constrained Optimization of Microscopic Nuclear Data via Integral Experiment-Informed Frameworks	CHEN, Jiahao
16:40	[731] (Withdrawn) Progress in Measurement of the Capture Reaction Cross Section of 242Pu Induced by Thermal Neutron Based on Activation Method	ZHANG-SUN, Yonggan
16:55	[123] Upgrade Plan for Spallation and Transmutation Reaction Models in ADS Studies	WANG, Rong