

Session Program

25-29 Sept 2023



H2020 ARIEL Hands-on school on nuclear data from Research Reactors

Flash presentation of the participants

Budapest, Hungary

Centre for Energy Research, KFKI Campus, and Budapest University of Technology and Economics

Tuesday 26 September

09:00

Flash presentation of the participants: Flash presentations 1 (6 x 15 min) Session Location: Budapest, Hungary, Centre for Energy Research, KFKI Campus, and Budapest University of Technology and Economics	
09:00–09:15	Short ABSTRACT of Participant's research field Speaker Milos Travar
09:15–09:30	Development of a Time-Dependent Random Ray Method for High-Accuracy Neutron Flux Simulations Speaker Maximilian Kraus
09:30–09:45	Four Dimensional Isotope Tracking with the N4DP Instrument at MLZ Speaker Robert Neagu
09:45–10:00	A New Irradiation Workbench Enabling Quantitative Measurements in the Fast and Thermal Neutron and Photon Field of a Polyethylene Shielded Americium-Beryllium Source Speaker Vincent Melzer
10:00–10:15	Nuclear data measurement using accelerator-based neutron sources Speaker Dr Aman Gandhi
10:15–10:30	Comprehensive Review and Application of Neutron Activation Analysis for Elemental Concentration Analysis of Coffee Samples Speaker Ms Tran Canh Hai Nguyen

10:30

11:00

Flash presentation of the participants: Flash presentations 2 (5 x 15 min) Session Location: Budapest, Hungary, Centre for Energy Research, KFKI Campus, and Budapest University of Technology and Economics	
11:00–11:15	Development of Experimental Methods for Investigating Innovative Approaches to Nuclear Waste Management and to Nuclear Safety Speaker Marco Viebach

11:15-11:30

Development and characterization of a novel single plane Compton gamma camera**Speaker**

Mr Om prakash Dash

11:30-11:45

 $^{50,53}\text{Cr}$ (n,γ) cross section measurement**Speaker**

Pablo Perez Maroto

11:45-12:00

NIRR-1'S FUEL ODYSSEY: EXPLORING BURNUP ESTIMATES, DECOMMISSIONING PLANS, AND RADIOACTIVE WASTE MANAGEMENT**Speaker**

Dennis Solomon

12:00-12:15

Efficiency Calibration of a Large Volume Well-Type HPGe Detector**Speaker**

Judith Dembo

12:15