



# SATIF-16 Shielding aspects of Accelerators, Targets and Irradiation Facilities

## Thursday, 30 May 2024

### Session 5 - Induced Radioactivity - Auditorium B. Touschek (08:40 - 10:40)

-Conveners: Session Chair Stefan Roesler

time	[id] title	presenter
08:40	[95] Forty years of neutron activation in the ISIS Target station 1 monolith	LILLEY, Steven
09:00	[10] Experience during Ring Injection Dump Parts Exchange at the Spallation Neutron Source	POPOVA, Irina
09:20	[23] Depth profiles of radioactive nuclides in bulky targets irradiated with heavy ion beams	MUSTAFIN, Edil
09:40	[22] Overview of recent activation benchmarks at the CERN High Energy Accelerator Mixed Field facility (CHARM) and the CERN Shielding Benchmark Facility (CSBF)	Dr BOZZATO, Davide
10:00	[18] Challenges and strategies in planning Long Shutdown 3 for the HL-LHC Upgrades of the LHC experiments at CERN: a comprehensive overview	FROESCHL, Robert
10:20	[28] Simulation supported, zoning concept using a novel BGO low-background setup for fast radiological classification	VINCKE, Helmut

### Session 5 - Induced Radioactivity - Auditorium B. Touschek (11:10 - 13:10)

-Conveners: Session Chair Helmut Vincke

time	[id] title	presenter
11:10	[11] Investigation of residual nuclide inventory of the storage ring of the Swiss Light Source (SLS)	GALEEV, Roman
11:30	[73] Benchmarking study on induced activity of H-3 and Be-7 in water target at PAL-XFEL	LEE, Ukjae
11:50	[24] Contamination density analyses at Fukushima-Daiichi Power Station using pinhole type gamma camera	Dr HAYASHI, Katsumi
12:10	[36] A Study on the Composition of the Concrete at the High Intensity Proton Accelerator in PSI	Dr CHAN, Hsiao-Wei
12:30	[81] Evaluation of decommissioning of proton therapy centers based on the selection of shielding materials at the building stage of the facility	GARCÍA-FERNÁNDEZ, Gonzalo F.
12:50	[19] Sim $\beta$ -AD study: a methodology using active neutron detection and Monte-Carlo to improve radioactive waste management from cyclotron facilities	HORODYNSKI, Jean-Michel