Session Program

May 28 – 31, 2024

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

Session 5 - Induced Radioactivity

INFN-LNF, Auditorium B. Touschek

Thu, May 30

8:40 AM

Session 5 - Induced Radioactivity

Session | **Location:** INFN-LNF, Auditorium B. Touschek | **Convener:** Session Chair Stefan Roesler

8:40 – 9:00 AM

Forty years of neutron activation in the ISIS Target station 1 monolith

Speaker
Steven Lilley

9:00 – 9:20 AM

Experience during Ring Injection Dump Parts Exchange at the Spallation Neutron Source

Speaker
Irina Popova

9:20 – 9:40 AM

Depth profiles of radioactive nuclides in bulky targets irradiated with heavy ion beams

Speaker
Edil Mustafin

9:40 – 10:00 AM

Overview of recent activation benchmarks at the CERN High Energy Accelerator Mixed Field facility (CHARM) and the CERN Shielding Benchmark Facility (CSBF)

Speaker
Dr Davide Bozzato

10:00 – 10:20 AM

Challenges and strategies in planning Long Shutdown 3 for the HL-LHC Upgrades of the LHC experiments at CERN: a comprehensive overview

Speaker
Robert Froeschl

10:20 – 10:40 AM

Simulation supported, zoning concept using a novel BGO low-background setup for fast radiological classification

Speaker
Helmut Vincke

10:40 AM

11:10 AM

Session 5 - Induced Radioactivity

Session | **Location:** INFN-LNF, Auditorium B. Touschek | **Convener:** Session Chair Helmut Vincke

11:10 – 11:30 AM

Investigation of residual nuclide inventory of the storage ring of the Swiss Light Source (SLS)

Speaker
Roman Galeev

11:30 – 11:50 AM

Benchmarking study on induced activity of H-3 and Be-7 in water target at PAL-XFEL

Speaker
Ukjae Lee

11:50 AM – 12:10 PM

Contamination density analyses at Fukushima-Daiichi Power Station using pinhole type gamma camera

Speaker
Dr Katsumi Hayashi

12:10 – 12:30 PM

A Study on the Composition of the Concrete at the High Intensity Proton Accelerator in PSI

Speaker
Dr Hsiao-Wei Chan

12:30 – 12:50 PM

Evaluation of decommissioning of proton therapy centers based on the selection of shielding materials at the building stage of the facility

Speaker
Gonzalo F. García-Fernández

12:50 – 1:10 PM

Simβ-AD study: a methodology using active neutron detection and Monte-Carlo to improve radioactive waste management from cyclotron facilities

Speaker
Jean-Michel Horodynski

1:10 PM