



SATIF-16

May 28-31, 2024

Shielding aspects of Accelerators, Targets
and Irradiation Facilities

Session I: Source terms, new accelerator facilities and related topics

Chair Dali Georgobiani/Tom Ginter

Facility for Rare Isotope Beams: Never the Same Beam Twice	<i>T. N. Ginter</i>
<i>Auditorium B. Touschek, INFN-LNF</i>	08:40 - 09:00
Modeling tritium production and release in high-energy proton accelerators	<i>Dali Georgobiani</i>
<i>Auditorium B. Touschek, INFN-LNF</i>	09:00 - 09:20
Monte-Carlo simulations of the ESS accelerator radiation environment using kernel density estimation techniques	<i>Douglas Di Julio</i>
<i>Auditorium B. Touschek, INFN-LNF</i>	09:20 - 09:40
RP Commissioning of the LCLS-II linac at low power	<i>Thomas Frosio</i>
<i>Auditorium B. Touschek, INFN-LNF</i>	09:40 - 10:00
The European XFEL after 6 years of operation - a status report	<i>Albrecht Leuschner</i> 
<i>Auditorium B. Touschek, INFN-LNF</i>	10:00 - 10:20
The Beam Test Facility of the Laboratori Nazionali di Frascati	<i>Eleonora Diociaiuti et al.</i>
<i>Auditorium B. Touschek, INFN-LNF</i>	10:20 - 10:40
Coffee break	
<i>Auditorium B. Touschek, INFN-LNF</i>	10:40 - 11:10
Monte Carlo Simulations for the Future TATTOOS Target Station at PSI	<i>Dr Aleksandar Ivanov</i>
<i>Auditorium B. Touschek, INFN-LNF</i>	11:10 - 11:30
Beam loss monitoring in NanoTerasu storage ring with active neutron dosimeter	<i>Akihiro Takeuchi</i>
<i>Auditorium B. Touschek, INFN-LNF</i>	11:30 - 11:50

Session II: Code status, development and model converters

Chair Hideo Hirayama

Developments of the present and future FLUKA generations	<i>Francesc Salvat Pujol</i>
<i>Auditorium B. Touschek, INFN-LNF</i>	11:50 - 12:20
Investigation of Unstructured Mesh Utilization in MCNP at LANSCE	<i>Josef Svoboda</i>
<i>Auditorium B. Touschek, INFN-LNF</i>	12:20 - 12:40
Advancing the MCNP Unstructured Mesh Calculations at ORNL's Second Target Station	<i>Lukas Zavorka</i>
<i>Auditorium B. Touschek, INFN-LNF</i>	12:40 - 13:00
Bayesian Uncertainty Quantification for Radiation Transport Calculations at FRIB	<i>Dr J. C. Zamora</i>
<i>Auditorium B. Touschek, INFN-LNF</i>	13:00 - 13:20