

Session Program

15-19 Feb 2026

ISOTOPIC TIME MACHINE
FROM CULTURAL HERITAGE
TO SUSTAINABLE FUTURE



12th International Conference on Isotopes - 12ICI

1. Isotopes Production and Devices - Tue_S3_A

Grand Hotel Mediterraneo
Lungarno del Tempio, 44 - 50121, Firenze

Tuesday 17 February

16:59

1. Isotopes Production and Devices - Tue_S3_A

Session | **Location:** Grand Hotel Mediterraneo, Plenaria: Africa Room | **Conveners:**
Valery Radchenko, Meera Venkatesh

16:59-17:14

OPERATIONALIZING A NUCLEAR DIGITAL TWIN FOR MEDICAL ISOTOPE IRRADIATION PLANNING TO MEET CLINICAL DEMAND

Speaker

Soha Aslam

17:14-17:29

THE ISOLPHARM RADIONUCLIDE IMPLANTATION STATION FOR MEDICAL APPLICATIONS AT SPES

Speaker

Davide Serafini

17:29-17:44

DATA-DRIVEN OPTIMIZATION OF TERBIUM PRODUCTION VIA $\text{nat-Eu}(\alpha, x)$ REACTIONS: FROM EXPERIMENTS TO NSGA-II MODELLING

Speaker

Michele Colucci

17:44-17:59

RADIOLANTHANIDE PRODUCTION IN CORE (RAPIC): USING COMMERCIAL NUCLEAR REACTORS FOR RADIONUCLIDE PRODUCTION

Speaker

Sofia Pasolini

17:59-18:14

FEASIBILITY STUDY ON Ac-225 PRODUCTION USING BWR

Speaker

Anzu Watanabe

18:14-18:29

PRELIMINARY EVALUATION OF Ac-225 PRODUCTION IN THE RSG-GAS REACTOR USING LEU ELECTROPLATING CAPSULE

Speaker

Ms Amila Amatullah

18:30