

## Session Program

15-19 Feb 2026



# 12th International Conference on Isotopes - 12ICI

## *Poster Session 1*

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

# Monday 16 February

13:30

## Poster Session 1

Session | Location: Grand Hotel Mediterraneo, Americas Room

13:30-13:32

### ESTABLISHMENT OF ASTATINE-211 PRODUCTION AND PURIFICATION PLATFORM AT KIRAMS

**Speaker**

Kyo Chul Lee

13:32-13:34

### INNOVATIVE ELECTROCHEMICAL SEPARATION OF Ru-106: ADVANCING PURITY FOR OPHTHALMIC APPLICATIONS

**Speaker**

Dr Simindokht Shirvani Arani

13:34-13:36

### AN AUTOMATED SEPARATION METHOD FOR ISOLATING ZIRCONIUM-89 FROM NIOBIUM-BACKED YTTRIUM TARGETS

**Speaker**

Alisa Paterson

13:36-13:38

### DESIGN AND FEASIBILITY STUDY FOR THE LARGE-SCALE PRODUCTION OF Cu-67 USING A HIGH-POWER LINAC ELECTRON BEAM

**Speaker**

Martin Kreller

13:38-13:40

### FUNDAMENTAL RESEARCH ON THE PRODUCTION OF MEDICAL RADIOISOTOPES (Tb-161, Lu-177) USING JRR-3

**Speaker**

Shunsuke Fujino

13:40-13:42

### ZnO MICROFLOWERS SYNTHESIS AS A WAY FOR CYCLOTRON TARGET RECYCLING FOR CU RADIONUCLIDES PRODUCTION

**Speaker**

Alessandro Niorettini

13:42-13:44

### DEVELOPMENT AND OPTIMIZATION OF AN EXTRACTION CHROMATOGRAPHY PROTOCOL FOR HIGH-PURITY Tb-155 PRODUCTION

**Speaker**

Dr Petra Martini

13:44-13:46

### A STUDY ON THE PRODUCTION YIELD EVALUATION OF PM-147 USING MCNP-CINDER COUPLING IN A RESEARCH REACTOR ENVIRONMENT

**Speaker**

Kilyoung Ko

13:46-13:48 **A SIMPLE TOOL FOR PHOTONUCLEAR ACTIVATION CALCULATION****Speaker**

Erik Poenitz

13:48-13:50

**REVIEW OF A HEAT TRANSFER-BASED EVALUATION FRAMEWORK FOR ISOTOPE TARGET INTEGRITY IN A CANDU REACTOR****Speaker**

Taekyu Ham

13:50-13:52

**CHROMATOGRAPHIC SEPARATION OF COPPER FROM SIMULATED ZINC AND NICKEL TARGETS****Speaker**

Daniel Mcalister

13:52-13:54

**CHROMATOGRAPHIC SEPARATION OF MANGANESE FROM SIMULATED CHROMIUM TARGETS****Speaker**

Madeleine Eddy

13:54-13:56

**A DEEP ANALYSIS OF Gd<sub>2</sub>O<sub>3</sub> TARGETS FOR Tb-155 PRODUCTION WITH MEDICAL CYCLOTRONS****Speaker**

Alisa Kotliarenko

13:56-13:58

**CHARACTERIZATION OF EXTRACTION CHROMATOGRAPHIC RESINS BASED ON MONOAMIDE EXTRACTANTS FOR THE SEPARATION OF TRANSITION AND POST-TRANSITION METAL IONS****Speaker**

Madeleine Eddy

13:58-14:00

**MULTI COPPER AND GALLIUM RADIOISOTOPES PRODUCTION BY IRRADIATION OF ZnO TARGET VIA MEDICAL CYCLOTRON****Speaker**

Petra Martini

14:00-14:02

**DEVELOPMENT OF A SYSTEM FOR MEASURING BETA-RAY EMISSION RATE IN BETAVOLTAIC BATTERIES****Speaker**

Jin Joo Kim

14:02-14:04

**EXCITATION FUNCTION MEASUREMENTS OF Tb-149 IN THE B-10+Nd-142 SYSTEM**

**Speaker**

Dr rahbar ali

14:04-14:06

**A NOVEL APPROACH FOR THE DEVELOPMENT OF TITANIUM CARBIDE TARGET FOR THE SPES ISOL FACILITY****Speaker**

Dr Antonietta Donzella

14:06-14:08

**DEVELOPMENT OF AN AUTOMATED ELECTROPLATING SYSTEM FOR SOLID TARGET PREPARATION IN ALPHA EMITTER PRODUCTION****Speaker**

Mario Malinconico

14:08-14:10

**RADIOACTIVE ISOTOPE BEAM PRODUCTION WITH KoBRA AT RAONGEOPOLYMERS****Speaker**

Dong Geon Kim

14:10-14:12

**PRODUCTION OF INNOVATIVE RADIOISOTOPES FOR PERSONALIZED NUCLEAR MEDICINE IN ITALY****Speaker**

Chiara Favaretto

14:12-14:14

**SPS-PRODUCED YTTRIUM TARGET FOR OPTIMIZED Zr-89 PRODUCTION****Speaker**

Chiara Favaretto

14:14-14:16

**TOWARDS CHEMICAL ENRICHMENT OF CA-48 VIA ELECTROPHORESIS****Speaker**

Yuki Ishikawa

14:16-14:18

**THERANOSTIC POTENTIAL OF [<sup>64</sup>Cu]CuCl<sub>2</sub> TO OVERCOME CANCER HETEROGENEITY****Speaker**

Petra Martini

14:20-14:22

**CHARACTERISTICS OF SECONDARY NEUTRONS IN F-18 PRODUCTION WITH MEDICAL CYCLOTRONS: A MONTE CARLO STUDY****Speaker**

Yeijin Bang

14:22-14:24

**PRODUCTION OF Pb-203 AT GIP ARRANAX****Speaker**

Thomas Sounalet

14:24-14:26

**STUDY OF THE REACTION DYNAMICS FOR THE PRODUCTION OF Tm-167****Speaker**

Mr mohd usman

14:26-14:28

**RADIOLABELING OF GOLD NANOPARTICLES WITH Sc-44 FOR PET DIAGNOSIS OF CANCER**

**Speaker**

Théo Demartinécourt

14:28-14:30

**DOSIMETRIC EVALUATION OF <sup>32</sup>P RADIONUCLIDE THERAPY USING SILICA MICROPARTICLE CARRIERS**

**Speaker**

Prof. Sung-Joon Ye

15:00