High Precision X-Ray Measurements 2025

Monday, 16 June 2025

<u>X-ray Applications: 1</u> - Aula B. Touschek (15:00 - 16:10)

-Conveners: Damir Bosnar

time	[id] title	presenter
15:00	[21] Wearable, Lightweight, and Flexible Ionizing Radiation Dosimeters for Real-Time Monitoring	CIAVATTI, Andrea
15:30	[12] Development of a direct-reading dosimeter for eye-lens dose estimation in medical radiology	RUSSO, Luigi
15:50	[13] The J-PET tomograph as an advanced, multifunctional detection system for applications in medical imaging and fundamental research	SKURZOK, Magdalena

Wednesday, 18 June 2025

X-ray Applications: 2 - Aula B. Touschek (10:20 - 11:40)

-Conveners: Manuel Sanchez del Rio

time	[id] title	presenter
10:20	[33] Three-dimensional visualisation and quantification of cellular components in mm-sized unstained tissue cores using high-content phase-based x-ray microscopy	ESPOSITO, Michela
10:50	[36] Macro X-ray fluorescence scanning (MA-XRF) as tool in the authentication of paintings and revealing hidden details	PRONTI, Lucilla
11:20	[41] Fiber Diffraction of Amyloid Aggregates Using High brilliance X-ray sources: Opportunities and Challenges	Dr DE SANTIS, Emiliano

X-ray Applications: 3 - Aula B. Touschek (12:10 - 13:20)

-Conveners: Manuel Sanchez del Rio

time	[id] title	presenter
12:10	[3] Modeling x-ray spectrometers employing curved crystal optics	KLEMENTIEV, Konstantin
12:40	[7] SHADOW4: Advanced Ray-Tracing for the Design and Simulation of X-Ray Optical Systems	SANCHEZ DEL RIO, Manuel
13:00	[26] AI Tools for Plasma Diagnostics by X-ray Imaging and Spectroscopy in the PANDORA Project Frame	PERI, Bianca

X-ray Applications: 4 - Aula B. Touschek (15:00 - 16:10)

-Conveners: Antonella Balerna

time	[id] title	presenter
15:00	[5] Experimental study of PET with polarimetric capability	MAKEK, Mihael
15:30	[30] Characterizing Cerium Redistribution in PEM Fuel Cells Using an In-House X-ray Fluorescence System	FONTANILLA, Aixeen Manuel
15:50	[35] XRF Spectroscopy with VOXES: Techniques, Optimization and Applications	MANTI, Simone