

## **Session Program**

**24-26 Mar 2026**

# **Advances in X-ray and Gamma RAY DEtectors and applications (XGRADE 2026)**

## ***Applications 6***

Università degli Studi di Palermo, Aula Capitò  
Viale delle Scienze, Edificio 7

# Thursday 26 March

11:30

## Applications 6

**Session** | **Location:** Università degli Studi di Palermo, Aula Capitò , Viale delle Scienze, Edificio 7 | **Convener:** Simone Manti

11:30-12:00

### **Challenges in Fricke Dosimetry: Physics-Informed Neural Networks for Correcting Diffusion and Auto-Oxidation Artifacts**

**Speaker**

Mattia Romeo

12:00-12:30

### **Laser Driven X-ray Sources from Shaped Gas Targets**

**Speaker**

Vidmantas Tomkus

12:30-13:00

### **GridPix Detector as an Advanced Alternative to IXPE GPD: Experimental Characterization and Validation with GEANT4 Simulations.**

**Speaker**

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13:00