

Session Program

24-26 Mar 2026

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

Data Analysis and Machine Learning 1

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

Thursday 26 March

14:30

Data Analysis and Machine Learning 1

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

14:30-15:00

Machine Learning background suppression for CZT detectors using Monte Carlo simulations

Speaker

Simone Manti

15:00-15:30

CadTool - a end-to-end x-ray/gamma-ray solid state detector simulation framework

Speaker

Mr José Sousa

15:30-16:00

Machine Learning-Driven Design of High-Performance X-ray and Gamma-Ray Detectors

Speaker

Prof. Murat Aydemir

16:00