

Session Program

24-26 Mar 2026

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

Electronics and Pulse Processing 1

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

Thursday 26 March

09:30

Electronics and Pulse Processing 1

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

09:30-10:00

Optimizing Anode-Only Readout for High-Resolution Coded-Aperture Gamma Imaging with Pixelated CdZnTe Detectors

Speaker

Guillaume Montémont

10:00-10:30

Direct Digitization of Transistor-Reset Preamp Output Using an Interleaved 20-bit SAR ADC Architecture for High-Rate X-ray Spectroscopy

Speaker

Dr Andrea Abba

10:30-11:00

Integrated Front-End Electronics and Flexible Interconnection Systems for Segmented High-Purity Germanium Detectors

Speaker

Giacomo Secci

11:00