

Session Program

16-21 Nov 2025



The 14th international "Hiroshima" Symposium on the Development and Application of Semiconductor Tracking Detectors (HSTD 14)

8. New Ideas and Future Applications

Academia Sinica, 2F, Activities Center
128 Section 2, Academia Road, Nankang, Taipei 115201, Taiwan

Thursday 20 November

10:50

8. New Ideas and Future Applications: Thu-2

Session |**Location:** Academia Sinica, 2F, Activities Center , 128 Section 2, Academia Road, Nankang, Taipei 115201, Taiwan

10:50-11:10

Development of a CCD-CMOS Hybrid Sensor for High-speed X-ray Imaging Spectroscopy in X-ray Astronomy

Speaker

Hiroshi Nakajima

11:10-11:30

Development of an Electrical System for pnCCD onboard HiZ-GUNDAM with Integrated Charged-Particle Event Removal Algorithms

Speaker

Mr Ryuji Kondo

11:30-11:50

Monolithic integration of cooling microchannels in silicon wafers with BEOL layers

Speakers

Javier Fernandez Tejero, Miguel Ullan

11:50

Friday 21 November

09:00

8. New Ideas and Future Applications: Fri-1

Session |

Location: Academia Sinica, 2F, Activities Center , 128 Section 2, Academia Road, Nankang, Taipei 115201, Taiwan

09:00–09:20

Ultra-lightweight pixel tracker for the Mu3e experiment

Speaker

Ashley McDougall

09:20–09:40

The Pentadimensional Tracking Space Detector project, R&D for space-borne LGAD Si-microstrip tracking detectors

Speaker

Valerio Vagelli

09:40–10:00

Characterization and Simulation for CASSIA: A CMOS Pixel Sensor with Internal Amplification

Speaker

Jenny Lunde

10:00–10:20

Exploring the response of LGADs for time resolved synchrotron applications

Speaker

Marco Aurelio Lisboa Leite

10:20

10:50

8. New Ideas and Future Applications: Fri-2

Session |

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10:50–11:10

Low-Noise SiPM Light Readout and ASIC-Based Charge Readout of a Liquid Argon Time Projection Chamber for MeV Gamma-Ray Measurements

Speaker

Satoshi Takashima

11:10–11:30

TCAD Optimization and Validation of MAPS with Internal Low-Gain Amplification

Speaker

Hasan Shamas

11:30–11:50

Characterization of Passive CMOS Strip Detectors after proton irradiation

Speaker

Marta Baselga

11:50