

Session Program

16-21 Nov 2025



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

7. Applications in Astrophysics, Biology, Medicine and Medical Equipments

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

Wednesday 19 November

15:50

7. Applications in Astrophysics, Biology, Medicine and Medical Equipments: Wed-4

Session |

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

15:50-16:10

Characterization of gallium-nitride-based particle detectors with pn-junction and low-gain avalanche diode structures

Speaker

Mr Satoshi Iida

16:10-16:30

Development of a high-contrast SPECT for small-animal imaging with high-energy gamma rays

Speaker

Ms Nanase Koshikawa

16:30-16:50

Development of 2D SiPM-Based Photon Counting CT Using Newly Designed High-Performance ASIC Aimed at Preclinical Applications

Speaker

Takahiro Ro

16:50

Thursday 20 November

09:00

7. Applications in Astrophysics, Biology, Medicine and Medical Equipments: Thu-1

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

09:00–09:20

Development and Performance Evaluation of INSPIRE: A Wide-Field Hybrid Compton Camera for Small Satellite GRAPHIUM

Speaker

Shojun Ogasawara

09:20–09:40

AstroPix: High-voltage monolithic active pixel sensors for space-based experiments

Speaker

Yusuke Suda

09:40–10:00

X-ray Spectro-Polarimeters Enabled by Fine-Pixel CMOS Imaging Sensors

Speaker

Hirokazu Odaka

10:00–10:20

Dark-current decrease of radiation-damaged SiPM at low temperature

Speaker

Hiromitsu Takahashi

10:20