

Session Program

29 June 2026 to 3 July 2026



5th DRD3 week on Solid State Detectors R&D

WG2 (WP2)

Institute of Space Science & National Institute of Materials Physics
National Institute of Statistics

Tuesday 30 June

08:30

WG2 (WP2): Hybrid silicon technologies

Session |

Location: Institute of Space Science & National Institute of Materials Physics, National Institute of Statistics

08:30–08:45 **Introduction, news and plans**

Speakers

Alessandro Tricoli, Anna Macchiolo, Martin Van Beuzekom

08:45–09:05

Development of Centimeter-Scale AC-LGAD Sensors for Future Collider Timing Trackers

Speaker

Mei Zhao

09:05–09:25

Summary of DC-RSD test beam campaigns

Speaker

Roberta Arcidiacono

09:25–09:45

TCT measurement campaign of AIDAInnova TI-LGADs production

Speaker

Yevhenii Padniuk

09:45–10:05

Defining the Optical Operating Range of LGAD Technologies

Speaker

Neil Moffat

10:05–10:25

Impact of Low-Energy Carbon Ion Irradiation on the Performance of nLGADs

Speaker

Tomas Ceponis

10:25–10:55

Coffee Break

10:55–11:15

AC-LGAD Timing Tracker Development for Future Colliders

Speaker

JIA JIAN TEOH

11:15–11:35

Exploring the Potential of Low Gain Avalanche Detectors for Low-Energy Ion Spectrometry

Speaker

Jairo Antonio Villegas Dominguez

11:35–11:55

DRD3 Project Proposal: AC-DC- Resistive Silicon Detector

Speaker

Luca Menzio

11:55-12:15

Results from nLGAD sensors fabricated by FBK

Speaker

Valentina Sola

12:15-12:35

LGAD development at SINTEF

Speaker

Marius Mæhlum Halvorsen

12:35-12:55

Development and Characterization of Si3D Pixel Sensors: Results from the Latest FBK Production Run

Speaker

Maurizio Boscardin

12:55

13:45

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13:45-14:05

Position dependents timing performance investigation on 3D sensors

Speaker

chuan liao

14:05-14:25

Research development on novel thin 3D sensors based on 8-inch CMOS technology

Speaker

Manwen Liu

14:25-14:45

Characterization studies of a 3D Column-Trench silicon sensor

Speaker

Evridki Chatzianagnostou

14:45-15:05

Deep-Profile Gain, Gain Self-Stabilization and Timing Characterization of Non-irradiated and Irradiated 3D IME-CAS devices fabricated in 8-Inch CMOS Technology

Speaker

Prof. Gordana Lastovicka-Medin

15:05-15:25

Design and Characterization of Planar-Circular Composite 3D-Trench Silicon Detector

Speaker

Huimin Ji

15:25-15:45

DJ-LGAD RD50 project report

Speaker

Dr Simone Michele Mazza

15:45

Wednesday 1 July

08:30

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08:30–08:50

First results on LGAD/nLGAD detector performance in laser-driven proton-boron (p-B) fusion plasma diagnostics

Speaker

Milos Manojlovic

08:50–09:10

A novel LGAD design with continuous gain layer: MARTHA

Speaker

Esther Constanze Wais

09:10–09:30

Test beam results and laser studies on AC-LGADs with transformer-based ML methods

Speaker

Gaetano Barone

09:30–09:50

Research on Silicon Pixel Sensors for X-ray Free Electron Lasers

Speaker

Gaobo Xu

09:50–10:10

Resonant-Cavity-Enhanced GOI PIN Photodetectors with Integrated DBR Structures for High-Performance SWIR Detection

Speaker

jjahan Yu

10:10