

Session Program

29 June 2026 to 3 July 2026



5th DRD3 week on Solid State Detectors R&D

WG6 (WP3)

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

Thursday 2 July

09:00

WG6 (WP3): WBS Sensors (1)

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

09:00–09:05

Introduction to WG6

Speakers

Alexander Oh, Tao Han, Xin Shi

09:05–09:25

Developments of 4H-SiC sensors for Timepix4

Speaker

Floris Patrick Jan Fassin

09:25–09:45

Time Resolution of a Novel Ultra-fast Graphene-Optimized 4H-SiC detector

Speaker

Congcong Wang

09:45–10:05

Development of the SICAR 4H-SiC Radiation Detector

Speaker

Xiyuan Zhang

10:05–10:25

Characterization of 4H-SiC implanted LGADs after 23 MeV Proton Irradiation

Speaker

Francesco Moscatelli

10:25–10:30

Coffee break

10:30

Friday 3 July

08:30

WG6 (WP3): WBS Sensors (2)

Session |

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

08:30–08:50

Charge Collection and High-Density Ionization Effects in Ultra-Thin 4H-SiC Diodes for FLASH Radiotherapy Dosimetry

Speaker

Jairo Antonio Villegas Dominguez

08:50–09:10

TPA-TCT Characterization of 4H-SiC PN diodes, LGADs and Strip Sensors

Speaker

Sebastian Onder

09:10–09:30

Evaluation of carrier transport in neutron-irradiated 4H-SiC detectros using alpha spectrometry and Angle Resolved-IBIC

Speaker

Carmen Torres Munoz

09:30–09:50

Coffee break

09:50–10:10

Characterisation of 3D Diamond Detectors Utilising Two-Photon-Absorption Technique

Speaker

Huazhen Li

10:10–10:30

Simulation of Diamond Detectors Based on RASER

Speaker

Peiyao Wang

10:30–10:50

Potential Using of Organic-Inorganic Hybrid Structures for Detection of Ionizing Radiations

Speaker

Sadullah Ozturk

11:00