

Session Program

10-14 Nov 2025

4th DRD3 week on Solid State Detectors R&D

WG2 - Hybrid silicon technologies

CERN, 6/2-024 - BE Auditorium Meyrin

Tuesday 11 November

09:00

WG2 - Hybrid silicon technologies: Scientific results

Session | **Location:** CERN, 6/2-024 - BE Auditorium Meyrin | **Conveners:**
Martin Van Beuzekom, Alessandro Tricoli, Anna Macchiolo

09:00–09:05 Introduction

Speakers

Alessandro Tricoli, Anna Macchiolo, Martin Van Beuzekom

09:05–09:21

The first results from Three Photon Absorption (3PA) and Two Photon Absorption (2PA) TCT on irradiated 3D CNM devices from 3D RD50 production

Speaker

Gordana Lastovicka-Medin

09:23–09:39

IV, CV, Fast Timing and Top TCT Measurement Results of the RD50 Common Project Double-Sided 3D Sensors

Speaker

Yannik Sibold

09:41–09:57

Development of 3D silicon pixel sensors at USTC

Speaker

Kuo Ma

09:59–10:15

3D detectors with gain for 4D tracking

Speaker

Gregor Kramberger

10:17–10:33

Novel silicon 3D-trench pixel detectors based on 8-inch CMOS process (IME) studied with 2PA and 3PA using laser beam at ELI ERIC

Speaker

Gordana Lastovicka Medin

10:35–10:51

Development of 3D Pixel Sensors via an 8-inch CMOS-Compatible Process

Speaker

Huimin Ji

10:53–11:23

Coffee Break

11:23–11:39

Investigation of Spatial Patterns of Elevated Cell Leakage Currents in HGICAL Silicon Sensors

Speaker

Ebru Simsek

11:41-11:57

Intra-Pixel Weighting-Field-Driven Timing Non-Uniformity Measured with the TimePix4 Telescope

Speaker

Artem Shepelev

11:59-12:15

Results from iLGAD sensors bump bonded to Timepix4

Speaker

Daan Jasper Oppenhuis

12:17-12:33

Observation of charge multiplication in a SiEM

Speaker

Victor Coco

12:35-12:51

Study of Ti-LGAD for low penetrating radiation

Speaker

Parisa Rezaei Mianroodi

12:51