

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

14:00

WG2 - Hybrid silicon technologies: Scientific results and proposals

Session | Location: CERN, 6/2-024 - BE Auditorium Meyrin

14:00-14:30

Robert Klanner's talk on the history of silicon vertex detectors: <https://indico.cern.ch/event/1480892/timetable/>

14:32-14:48 **Performance of irradiated TI-LGADs at 120 GeV SPS pion beams**

Speaker

Iskra Velkovska

14:50-15:06 **Status of USTC pixel and strip AC-LGAD sensors**

Speaker

Han Li

15:08-15:24

Stress Tests on Low Gain Avalanche Diodes and AC-coupled Low Gain Avalanche Diodes

Speakers

Gaetano Barone, Xiaohe Shen

15:26-15:42 **ML processing and compression of signal shared AC-LGADs**

Speakers

Don Ching-Long Wong, Gaetano Barone, Jessica Tang

15:44-15:54

Project: Technology stabilization and yield optimization in IMB-CNM LGADs

Speaker

Pablo Fernandez-Martinez

15:54-16:04

Project: MPW Production of LGADs at BNL

Speaker

Gabriele Giacomini

16:04-16:34

Coffee Break

16:34-16:50

Performance of AC-LGADs for ePIC and beyond

Speaker

Dr Simone Michele Mazza

16:52-17:08

Properties of DC-RSD with different surface resistivities and pixel sizes

Speaker

Nicolo Cartiglia

17:10-17:26

Advancements in Low-Gain Avalanche Diodes (LGADs) for the ALICE 3 timing layers

Speaker

Francesca Carnesecchi

17:28-17:44

Towards Active Edge Silicon Sensors Fabricated with Edge Ion Implantation And Microwave Anneal Activation

Speaker

Andrew Donald Gentry

17:46-18:02

55 μm thick NLGAD sensors from FBK

Speaker

Marco Ferrero

18:02-18:07

21st TREDI announcement

Speakers

Maurizio Boscardin, Maurizio Boscardin

18:07