

Session Program

2-6 Dec 2024

2nd DRD3 week on Solid State Detectors R&D

WG4 - Simulation

CERN, 500/1-001 - Main Auditorium

Wednesday 4 December

15:10

WG4 - Simulation: WG4 - Simulation

Session | **Location:** CERN, 500/1-001 - Main Auditorium | **Conveners:** Marco Mandurrino, Håkan Wennlöf

15:10–15:30

TCAD simulations of Low Gain Avalanche Detectors incorporating improved impact ionization modelling

Speaker

Dr Chakresh Jain

15:50–16:20

Coffee Break

16:20–16:40

TCAD Simulation of Electrical Characteristics and Irradiation Modeling for ATLAS ITk-Strip Sensors

Speaker

Yuzhan Zhao

16:40–17:00

TCAD + AllPix2 pipeline for the ATLAS ITk-Strip Digitization Model

Speaker

Jeff Dandoy

17:00–17:20

TCAD Parameters for 4H-SiC: A Review

Speaker

Jürgen Burin

17:20–17:40

Simulation of SiC detector

Speaker

Suyu Xiao

17:40–18:00

Semiconductor Detector End-to-end Simulations with Allpix Squared: Latest Features, Ongoing Developments, and Application Examples

Speaker

Håkan Wennlöf

18:00–18:20

WG4 - Discussion

Speakers

Marco Mandurrino, Håkan Wennlöf

18:20