

## **Session Program**

**21-24 Jun 2022**



# **The 40th RD50 Workshop (CERN)** ***Defect and Material Characterization***

CERN, 6/2-024 - BE Auditorium Meyrin

# Tuesday 21 June

09:00

## Defect and Material Characterization

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

09:00–09:10 **Welcome**

**Speaker**

Michael Moll

09:10–09:30

**Non-ionizing Energy Loss: Geant4 simulations and OPTICS clustering towards more advanced NIEL concept for radiation damage modelling and prediction**

**Speaker**

Vendula Subert

09:30–09:50

**Radiation damage investigation of epitaxial p-type silicon using DLTS and TAS measurements of Schottky and pn-junction diodes**

**Speaker**

Christoph Thomas Klein

09:50–10:10

**Update on Radiation damage investigation of epitaxial P-type Silicon using Schottky diodes**

**Speaker**

Dr Matthew Glenn Kurth

10:10–10:30

**The A<sub>Si</sub>-Si<sub>i</sub>-defect - a possible candidate to explain acceptor removal in LGADs**

**Speaker**

Dr Kevin Lauer

10:30–11:00

**Coffee break**

11:00–11:20

**Investigation of high resistivity p-type FZ silicon diodes after <sup>60</sup>Co - gamma irradiation**

**Speaker**

Mr Chuan Liao

11:20–11:40

**Defect characterization studies on gamma-irradiated p-type Si diodes**

**Speaker**

Anja Himmerlich

11:40–12:00

**On the bistability of the Boron related donor associated with the acceptor removal process in irradiated p-type silicon**

**Speaker**

Andrei Nitescu

12:00-12:20

**RD50 Project proposal: Defect engineering in PAD diodes mimicking the gain layer in LGADs**

**Speaker**

Ioana Pintilie

12:20-12:50

**Discussion: Defects and Material Characterization**

**Speakers**

Ioana Pintilie, Michael Moll

12:50