

Session Program

21-24 Jun 2022



The 40th RD50 Workshop (CERN)

Wide Band Gap Materials

CERN, 6/2-024 - BE Auditorium Meyrin

Wednesday 22 June

09:00

Wide Band Gap Materials: Wide Band Gap Materials

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

09:00–09:20

GaN/AlGaN high electron mobility transistor characteristics after 1016 neq/cm² neutron irradiation

Speaker

Dr Jean-Paul Noel

09:20–09:40

Study of the spectrometric performance of SiC detectors at high temperature

Speaker

Dr Maria Del Carmen Jimenez Ramos

09:40–10:00

Characterization of neutron irradiated IMB-CNM SiC planar diodes with TPA-TCT

Speaker

Cristian Quintana San Emeterio

10:00–10:20

Impact of annealing on Ti/4H-SiC Schottky barrier diode radiation detector performance for fusion alpha-particle diagnostics.

Speaker

Mrs Shilpa Aluru

10:20–10:50

Coffee break

10:50–11:10

Measurements and Simulations of High Rate 4H-SiC Particle Detectors

Speaker

Andreas Gsponer

11:10–11:30

Development of 4H-SiC Low Gain Avalanche Diode

Speaker

Tao Yang

11:30–11:50

SiC Neutron Irradiation Study at CSNS

Speaker

Rui Fan

11:50–12:10

Development of 3D SiC radiation detector

Speaker

Prof. Hongwei Liang

12:10–12:40

Discussion: Wide Band Gap Materials

Speakers

Dr Giulio Pellegrini, Giulio Pellegrini

12:40