

Last (43rd) RD50 Workshop on Radiation Hard Semiconductor Devices for Very High Luminosity Colliders (CERN)

Wednesday 29 November 2023

Radiation damage general - 6/2-024 - BE Auditorium Meyrin (11:30 - 12:50)

-Conveners: Igor Mandic

time	[id] title	presenter
11:30	[86] Charge carrier mobility evaluation in Silicon Microstrips detectors exploiting photoconductivity phenomena	MEKYS, Algirdas
11:50	[65] A lightweight algorithm to model Radiation Damage Effects in Monte Carlo Events for High-Luminosity LHC experiments	NAKKALIL, Keerthi
12:10	[102] Time resolution and field uniformity study of single cell 3D pixel structures neutron and proton irradiated up to $1e17 \text{ n}_{\text{eq}}/\text{cm}^2$ at 120 GeV SPS beams	Dr GKOUKOUSIS, Vagelis
12:30	[83] Sensor design, guard ring, breakdown	ZHANG, Sinuo

Radiation damage general - 6/2-024 - BE Auditorium Meyrin (14:00 - 15:30)

-Conveners: Ivan Vila Alvarez

time	[id] title	presenter
14:00	[68] Hunting for Sharks with TCAD (Simulation of TPA-TCT measurements on LGAD Gain Suppression)	MOLL, Michael
14:20	[69] Two Photon Absorption – Transient Current Technique: TCAD Simulation of a PIN & Influence of Radiation Damage on the TPA-TCT	PAPE, Sebastian
14:40	[78] Effect of annealing on charge collection with n-on p type silicon strip detectors irradiated with 24 GeV/c protons	MANDIC, Igor
15:00	Coffee break	

Radiation damage general - 6/2-024 - BE Auditorium Meyrin (15:30 - 17:30)

-Conveners: Gianluigi Casse

time	[id] title	presenter
15:30	[96] Radiation damage investigation of epitaxial p-type silicon for particle detectors using Schottky and pn-junction diodes	KLEIN, Christoph Thomas
15:50	[97] Radiation tolerance of 8-inch silicon sensors for CMS HGAL	KALUZINSKA, Oliwia Agnieszka
16:10	[103] TCAD simulations of the ATLAS ITk-Strip sensors for the HL-LHC	DANDROY, Jeff
16:30	[92] Test beam analysis of irradiated passive CMOS strip sensors	LEX, Fabian Simon
16:50	[126] Developments of GaN Schottky devices at NRC	WALKER, Alexandre
17:10	[121] Discussion: Radiation damage	CASSE, Gianluigi PINTILIE, Ioana