

Session Program

13-15 Nov 2013

23rd RD50 Workshop (CERN)

3D detectors and slim edges

CERN

503-1-001 (Council Chamber) on 13th Nov & 222-R-001 (Filtration Plant) on 14th & 15th Nov.

Friday 15 November

09:00

3D detectors and slim edges

Session |

Location: CERN, 503-1-001 (Council Chamber) on 13th Nov & 222-R-001 (Filtration Plant) on 14th & 15th Nov. |

Conveners: Giulio Pellegrini, Giulio Pellegrini

09:00–09:20

Update on irradiation experiments with electrons of different kinetic energies (between 1.5 MeV and 27 MeV) performed on n-type silicon [Not on Wednesday]

Speaker

Dr Ioana Pintilie

09:20–09:40

Charge collection and laser measurements on double-sided 3D strip sensors irradiated up to $2 \cdot 10^{16} \text{ n}_{\text{eq}}/\text{cm}^2$

Speaker

Riccardo Mori

09:40–10:00

Characterization of CNM's 3D pixel sensors for the phase-2 upgrade of the CMS vertex detector

Speaker

Ms Francisca J. Muñoz Sánchez

10:00–10:20

Beam test results of 3D pixel devices for forward tracking

Speaker

Joern Lange

10:20–10:50

Coffee Break

10:50–11:10

Status of Scribe-Cleave-Passivate (SCP) Slim Edge Technology

Speaker

Vitaliy Fadeyev

11:10–11:30

Irradiated n-in-p planar pixel sensors of different thicknesses and active edge designs

Speaker

Stefano Terzo

11:30–11:40

Proposal for a production of thin active edge diodes and pixels

Speaker

Anna Macchiolo

11:40–12:00

Future sensor-chip packaging technologies at CiS

Speaker

Tobias Wittig

12:00-12:20

Active pixel sensors in 180 nm HV CMOS technology for HL-LHC detector upgrades**Speaker**

Daniel Muenstermann

12:20-12:40

Preliminary irradiation studies of ultra thin 3D detectors**Speakers**

Giulio Pellegrini, Dr Virginia Greco

12:40-13:10

Discussion Session on New structures (3D, slim and active edges, ...)**Speakers**

Giulio Pellegrini, Giulio Pellegrini

13:10