

**Session Program**

**Dec 2 - 4, 2015**

**27th RD50 Workshop (CERN)**

***Simulations***

CERN, 6/2-024 - BE Auditorium Meyrin  
6-2-024

# Thu, December 3

2:30 PM

## Simulations

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

**14:30 - 14:50** **Status of LGAD RD50 projects**

**Speaker**

Giulio Pellegrini

**14:50 - 15:10** **Discussion on LGAD**

**Speaker**

Giulio Pellegrini

**15:10 - 15:30** **KDetSim - a ROOT based detector simulation package**

**Speaker**

Gregor Kramberger

**15:30 - 15:50**

**Comparisson of different non-commercial detector simulation packages**

**Speaker**

Gregor Kramberger

**15:50 - 16:20** **Coffee break**

**16:20 - 16:40** **Towards to a new radiation damage model for Synopsys TCAD**

**Speaker**

Joern Schwandt

**16:40 - 17:00**

**Simulation of LGAD characteristics taking into account negative feedback in detectors with carrier multiplication**

**Speaker**

Dr Elena Verbitskaya

**17:00 - 17:20** **TCAD simulation of Low Gain Avalanche Detectors**

**Speaker**

Ranjeet Dalal

**17:20 - 17:40** **TCAD 2D SIMULATIONS FOR PHASE II PIXEL SENSOR DESIGN**

**Speaker**

Geetika Jain

**17:40 - 18:00**

**Effect of Al<sub>2</sub>O<sub>3</sub> passivation layer in irradiated n-on-p strip sensors [Thursday]**

**Speaker**

Timo Hannu Tapani Peltola

**18:00 - 18:30** **Discussion Session on TCAD Simulations**

6:30 PM

**Speakers**

Gregor Kramberger, Vladimir Eremin