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Publications:

• N. Pacifico, I. Dolenc Kittelmann, M. Fahrer, M. Moll, O. Militaru
  Characterization of proton and neutron irradiated low resistivity p-on-n magnetic Czochralski ministrip sensors and diodes
  10.1016/j.nima.2011.03.026

• R. Jacobs
  Development of a setup for the characterization of silicon strip sensors using the ALiBaVa readout system and measurements on proton-irradiated samples.
  CDS: 1610536

• D. Sekihata
  Measurements of low gain diodes using Transient Current Technique
  CDS: 1596246

• D. Sekihata
  CERN Summer Student Programme 2013
  / JAHEP - Japan Association of High Energy Physicists

• H. Sumida
  Study of Proton and Pion Irradiated Silicon Pad Detectors with CV/IV and TCT measurements
  CDS: 1753846, CDS: 1753847

• C. Weisser
  Edge-TCT measurements on irradiated HV CMOS sensors
  CDS: 1755270

• P. De Castro Manzano
  Simulation of drift dynamics of arbitrary carrier distributions in complex semiconductor detectors
  CDS: 1755231

• W. Holmkvist
  Depletion voltage studies on n-in-n MCz silicon diodes after irradiation with 70 MeV protons
  CDS: 1752510

• M. Stricker
  Development of a TSC-Setup for the Characterization of Electron and Hole Traps in Irradiated Silicon Sensors
  CDS: 2055231
C. Gallrapp
Development of a Transient Current Technique setup: Picosecond LASER induced charge pulses in silicon detectors
3rd EIROforum School of Instrumentation (ESI) 2013, Poster: pdf

M. Fernandez Garcia
Electric field profiling of semiconductor position sensing detectors using eTCT
3rd EIROforum School of Instrumentation (ESI) 2013, Poster: pdf

H. Neugebauer
Electrical characterization of irradiated detectors made from various silicon materials
3rd EIROforum School of Instrumentation (ESI) 2013, Poster: pdf

R. Jacobs
ALiBaVa Characterization of Silicon Strip Sensors using LASER and Radioactive Sources
Summer Students Poster Session 2013, Poster: pdf

D. Sekihata
Measurements of Low Gain Diodes using the Transient Current Technique
Summer Students Poster Session 2013, Poster: pdf

C. Weisser
Edge-TCT measurements on irradiated HV-CMOS Sensors
Summer Students Poster Session 2014, Poster: pdf
Presentations:

- M. Gabrysch, et.al.
  Charge carrier detrapping in irradiated silicon sensors after microsecond laser pulses
  21st RD50 Workshop, Slides: pdf

- R. Jacobs
  ALiBaVa Characterization of Silicon Strip Sensors using LASER and Radioactive Sources
  Summer Student Session 2013 CDS: 1581509 (slide 44: 13’34’’)

- M. Brigida Brunetti
  Characterization of HV-CMOS sensors with Edge-TCT
  Slides: pdf

- C. Gallrapp, et.al.
  TCT+, eTCT and I-DLTS measurement setups at the CERN SSD Lab
  24th RD50 Workshop, Slides: pdf

- C. Weisser
  Edge-TCT measurements on irradiated HV-CMOS Sensors
  Summer Student Session 2014 CDS: 1749310
Related Material:

2013

• I Mandić, et. al.
  TCT measurements of irradiated strip detectors with a focused laser beam
doi: 10.1088/1748-0221/8/04/P04016

2012

• G. Kramberger, et. al.
  Determination of detrapping times in semiconductor detectors
doi: 10.1088/1748-0221/7/04/P04006
• M. Milovanović, et. al.
  Position resolved multi channel transient current technique
  Facta universitatis, pdf
• R M. Hernández
  Design, development and implementation of a readout system for microstrip silicon sensors.
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  VERTEX 2010, pdf
• J. Becker
  Signal Development in Silicon Sensors Used for Radiation Detection
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• T. Pöhlsen
  Charge Collection and Space Charge Distribution in Neutron-Irradiated Epitaxial Silicon Detectors
  DESY Thesis

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• J. Lange
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  DESY Thesis

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• M.K. Petterson, et. al.
  Charge collection and capacitance–voltage analysis in irradiated n-type magnetic Czochralski silicon detectors
doi: 10.1016/j.nima.2007.08.222
Useful Material:

- Rui De Oliveira
  *Interconnect and cooling technology*
- D. B. Tuckerman, R. F. W. Pease
  *High-Performance Heat Sinking for VLSI*
doi: 10.1109/EDL.1981.25367
- R. De Oliveira, et. al.
  *Development of a polyimide microchannel on-detector cooling system for the ITS upgrade*
- J. Coonrod
  *Improved Thermal Management of Microwave PCBs Using Advanced Circuit Materials*
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