

Si Sensors w. Internal Gain:

some notes from Sept. 12

Sebastian White, CERN/Princeton 9/15/16

- we met on the 12th with Sofia and for the first time with Geetika Jain
- Geetika will be at CERN working both on simulation and testing
- our immediate plan is to test procedures for characterizing devices (5 of them) received from Ljubljana w exposures up to 10^{15} neq/cm²
- we have 2 unirradiated devices +4 more (from CTully) for baselining
- program of testing
 - I-V characteristics at +/-20C (+-30C for limited number)
 - evaluate depletion depth/Gain from C-V curves and response to Sr90 beta
 - traditional procedures for annealing part of discussion

We also discussed continuing earlier work of Ranjeet
evaluate benefit of thinning
continue to rad dam modeling
complete work with Su Dong on reproducing Landau
..

Some other news:

I gave RD51 update this week in Aveiro:

continued:

- see:

<https://indico.cern.ch/event/525268/contributions/2298965/attachments/1335651/2008896/aveiroSeb.pdf>

- Lothar agrees to fund ASIC MPW for Mitch
- 8 more 8x8 ready to ship from RMD to Bert
-
- We should plan regular video meeting time (to occur every 2 weeks)