

Discussion

Full Detector Systems

23rd RD50 Workshop, CERN, November 2013

Things to be done/investigated?

- Samples from RD50 Micron run/Multiplication and 4”
 - Look for parameters determining multiplication
 - Time stability of multiplication/operation at high bias at different annealing stages (LHC – like cycle, continuous bias)
- Parameterization of electric field in the sensors
 - Simulations
 - Edge-TCT measurements (neutron/charged hadron)
- LGAD – strip sensors
- Noise studies
 - noise during multiplication
 - nGn – origin of noise
- Work on proposed projects addressing specific topics:
 - Low resistivity implants for punch through protection
 - Slime edges
- Test beam?