

Some topics for discussion

SNW, March 6, 2105

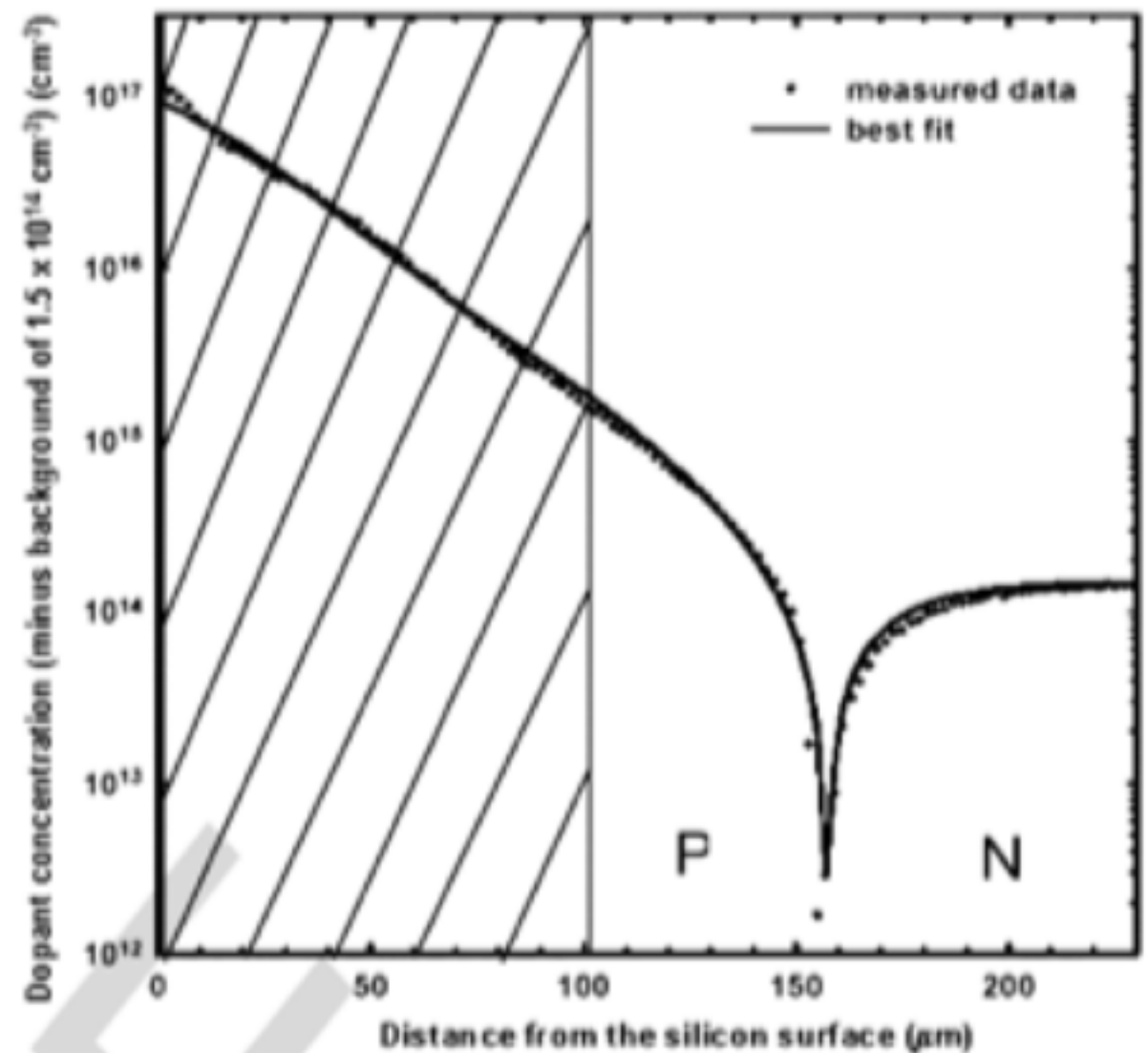
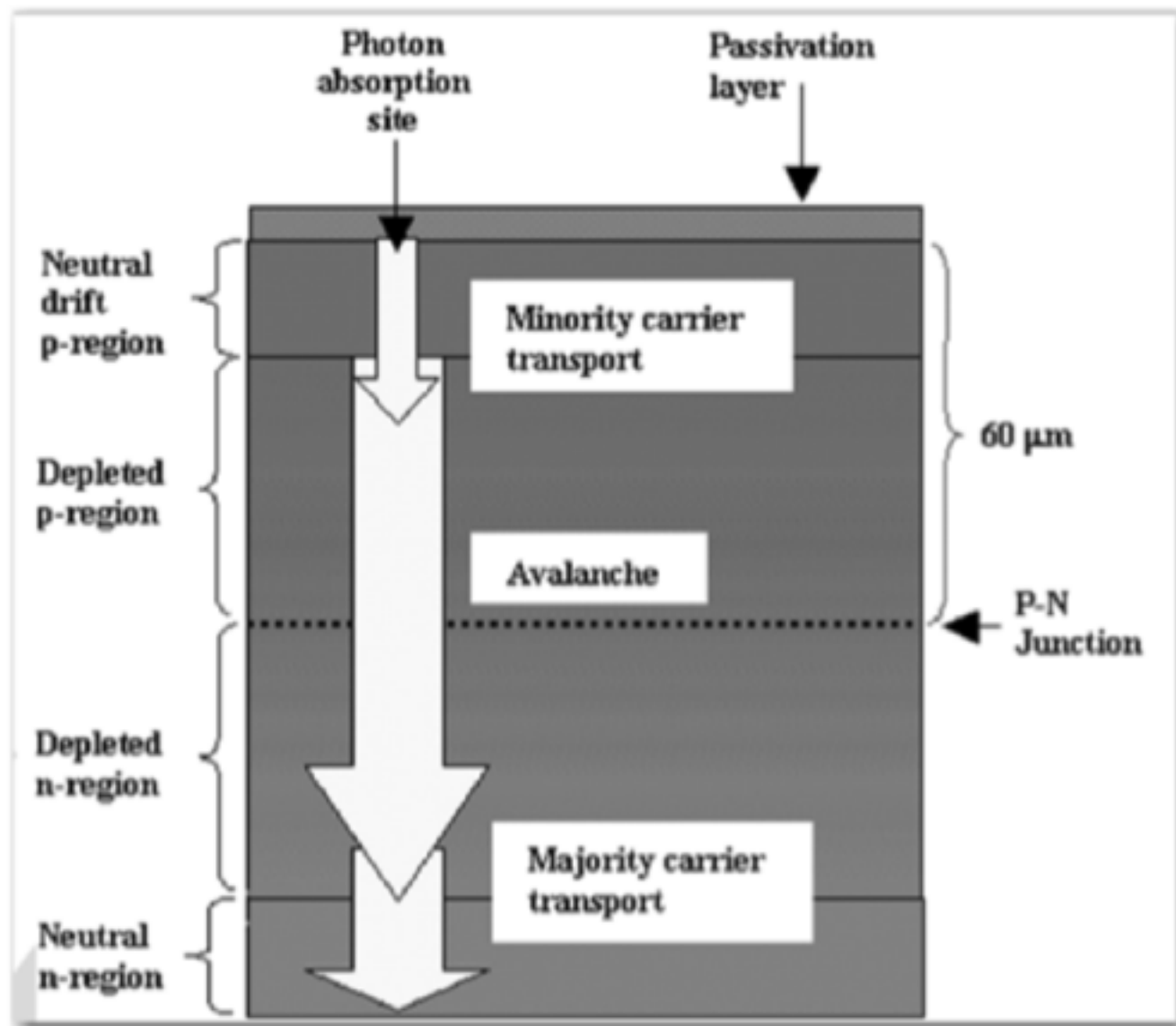
GasPMT

- we have been preparing for initial laser studies at Saclay next Monday
- will use UV(~ 260 nm) 120 fsec pulses derived from TiSapphire laser in laser facility to test for single pe time jitter.
- Monday is really an initial test to look for problems. Ioannis wants to redo mesh for this chamber
- we worked with Cividec and now have 2 GHz amplifier with sufficient input protection for MMEGAS sparking
- progress also on chamber at CERN



APD

- Mickel sent some dead soldiers and Bert progress on substrate
- starting to work closely with rd50 group at cern
 - initial tests of irradiated pad's to $.8 \cdot 10^{14} \text{ p/cm}^2$
 - modifying their infrastructure to allow testing above 1kV
 - many discussions with them about our technology
 - seems to be good prospect- not only for modeling but also testing new Si structures. see ie next slide



the more we look at this structure, the more it seems that advantage of mesh understandable. Doping concentration at Anode of thinned detector not that high.
Will timing improve in Mickel's proposed detector for SBIR?

new RMD device orders

- not sure whether last order of 2 still in transit.
- what should we plan for next orders:
 - different insulator thickness to understand role of capacitance?
 - raw chips for Bert to package?
 - see als Thomas' slides I recirculated earlier