

Workshop on p-type detectors

February 28th – March 1st, 2005 Trento, Italy

SALA EDIFICIO EST

Work Programme

Monday, February 28th

- 09:00 Welcome
- 09:30 Visit to the IRST laboratory.
- 10:00 Historical overview of p-type microstrip devices (G. Casse)
- 10:30 Known fact from the GPD upgrades: what type of detectors at what radius? (ATLAS P. Allport 20', CMS t.b.d. 20')

11:15 Coffee break

- 11:45 Status of production of p-type devices. Present available mask sets (CNM-??, IRST-??)
- 12:15 I-V/C-V results with p and n-type CZ devices (J.Harkonen)

12:45 Lunch

- 14:15 Overview of epitaxial silicon (Veli-Matti Airaksinen)
- 14:30 Comparison of n and p-type silicon microstrip from the SMART project (A. Macchiolo)
- 14:50 Comparison of MCz, Epi and FZ diodes from the SMART project (A. Candelori)
- 15:15 Issues related to CZ (and epi) materials: conductivity type inversion with neutron and proton irradiation? Is there anything to gain from Neff engineering with thermal treatment (G. Kranberger, M. Bruzzi)
- 15:45 Educated guesses regarding the electronics (H. Sadrozinski)

16:15 Coffee break

- 16:45 Towards the optimisation of the geometrical parameters (what Strip length, pixel, pitch, thickness) (all)
AOB

- 17:30 End of day one

Tuesday, March 1st

Starting 9:00 till about 12:00 - *11:15 Coffee break*

- Round table about RD50 layout
- Decision about manufacturers and financing the projects