

Thin Irradiated Strip and Pixel Detectors

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Employing the MPP/HLL thinning procedure n-in-p sensors with an active thickness of 75 μm and 150 μm were produced. Presented will be edgeTCT measurements on strip sensors irradiated with neutrons to a fluence of 5e15 and 1e16 neq/cm², as well as laboratory and beam test measurements for pixel sensors inter-connected to ATLAS read-out chips. These pixel detectors were irradiated with neutrons and protons up to fluences of 5e15neq.

Primary author: WEIGELL, Philipp (Max-Planck-Institut fuer Physik (Werner-Heisenberg-Institut) (D))

Presenter: WEIGELL, Philipp (Max-Planck-Institut fuer Physik (Werner-Heisenberg-Institut) (D))

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