

Performance of Thin Irradiated SOI Detectors

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Single chip pixel modules were built from an MPP-HLL production of 75 μm thin sensors and ATLAS read-out chips exploiting the novel Solid Liquid Interdiffusion technology (SLID). We will present laboratory and testbeam measurements for these devices before and after irradiation with neutrons in Ljubljana and with protons in Karlsruhe. Additionally, first results from edgeTCT measurements on strip sensors with thicknesses of 75 μm and 150 μm from the same production irradiated to a fluence of $1\text{e}16$ neq will be shown.

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