

Comparison of the CCE properties of microstrip detectors made with different substrates and irradiated with protons and neutrons at different temperature

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The comparison of the charge collection properties of microstrip detectors made with FZ and MCz substrates are compared after irradiation with 26MeV and 24GeV/c protons and reactor neutrons. The lower energy proton irradiations took place at low temperature. The irradiations with the higher energy protons in the PS have been performed at room (>30oC) and cooled (about 0oC) T conditions. Their CCE performances are compared also with similar sensors irradiated at RT (~22oC, but shorter irradiation times) conditions in the nuclear reactor.

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