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## Drift Mobility and Electric Field in Silicon Detectors Irradiated with Neutrons and Protons up to 1E17 n\_eq/cm^2 [Thu/Friday]

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Electric field in silicon irradiated with neutrons up to  $1e17 \text{ n\_eq/cm^2}$  and PS protons up to  $3e16 \text{ p/cm^2}$  was investigated by edge-TCT. Methods for absolute determination of electric field were developed and electric field profiles in the silicon bulk obtained. From the v(E) dependence mobility degradation with fluence was extracted. A 1/sqrt(Phi) dependence of mobility on fluence was obseved for both irradiations with protons provoking 20 % more degradation at equal NIEL. The observed mobility degradation and the values of electric field indicate substantial reduction of trapping from linear extrapolation of low fluence values.

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