

Study of the onset of multiplication in proton irradiated LGADs

Tuesday 6 June 2017 14:20 (20 minutes)

TCT and CV/IV measurements were performed on LGADs from CNM Run 7859 irradiated with protons up to $1E14 \text{ n}_{eq}/\text{cm}^2$. These studies were particularly focused on analysing the voltage required to fully deplete the multiplication layer of these sensors. The measurements were performed under different conditions in order to have a better understanding of the electric field inside the devices.

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Session Classification: Detectors with gain