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50um thin LGAD fabricated for the High Granularity Time Detector of the ATLAS experiment

Monday 11 September 2017 16:30 (15 minutes)

The objective of the work presented in this talk is the development of new position sensitive detectors with low signal amplification useful also for timing applications and called Low Gain Avalanche Detector (LGAD). These new devices are based on the standard Avalanche Photo Diodes (APD) normally used for optical and X-ray detection applications.
We will present the last experimental results on 50um thin LGAD fabricated for the High Granularity Time Detector of the ATLAS experiment with the geometry of the AltiROC readout chip.

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Session Classification: Poster Exposition and coffee break