

## Beam Test of Deep Diffused APDs

*Tuesday 27 November 2018 11:00 (20 minutes)*

Deep diffused avalanche photodiodes are studied as timing detectors for minimum ionizing particles. This application does not require a radiator to generate light to be detected by the APD. The signal is generated and amplified within the APD bulk.

In this talk, preliminary results of a beam test characterization of deep diffused APDs are presented. The beam test setup comprised an MCP-PMT used as a time reference and a beam telescope. These elements allow to study the behavior of various parameters as a function of the impact position of the particles on the detector.

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