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Results from a beam test of four 'Encapsulated Resistive Anode Micromegas' modules

Thursday 18 March 2021 07:15 (20 minutes)

Developments for a TPC at ILC with MPGD readout have been conducted for more than two decades. A new scheme (called ERAM) for charge spreading with a resistive-capacitive anode has been recently tested in a beam at DESY. Preliminary results are presented. It is shown that this new scheme, where the Micromegas mesh is at ground, allows the distortions near the module boundaries to be reduced by an order of magnitude, while providing a better flexibility, compared with the conventional scheme. Synergies with the near detectors of T2K, T2 HyperK, and SAND are briefly discussed.

Time Zone

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