Contribution ID: **13** Type: **not specified**

Results of Beam Test Measurements with 3D-DDTC Silicon Strip Detectors

Wednesday 18 November 2009 10:15 (20 minutes)

Detectors in the 3D-DDTC (double-sided double type column) layout combine the intrinsically radiation hard design of 3D detectors with a simplified processing technology. This talk presents results of 3D-DDTC detectors obtained in beam test measurements with high-energy particles at the CERN SPS. The Silicon Beam Telescope (SiBT), provided by the University of Helsinki, was utilised to measure the reference tracks. Special emphasis of the analysis is placed on space-resolved evaluation of charge collection and efficiency. Results of detectors produced by CNM-IMB (Barcelona) and FBK-IRST (Trento) are presented.

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Session Classification: New structures, Pixel and 3D detectors & Lorentz Angle Measurements