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Cross Section Measurements Using the Zero Degree Detector

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Abstract content

The Zero Degree Detector (ZDD) is a new instrument that has been used in accelerator exposures to measure the angular dependence of secondary particles produced in fragmentation experiments. The ZDD uses two identical layers of pixelated silicon detectors that make coincident measurements over the active area of the instrument. The angular distribution of secondary particle produced in nuclear interactions for several target materials will be presented along with performance characteristic of the instrument.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olive, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 4 (HE part 1), pages 839-842

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