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Beam test results of pixelated silicon sensors for the charge identification of cosmic rays

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Abstract content

Silicon sensors with 64 pixels of 1 cm^2 area and 500 micron thickness were developed as building blocks of a large array for the charge identification of cosmic ray nuclei in balloon-borne or space-based experiments. A small telescope of sensors was exposed to pion and proton beams, interacting in a target, at CERN. Experimental results on the performance of the sensors will be reported.

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'Olivo, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 2 (OG part 1), pages 321-324

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