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SCROD: An Update

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Abstract content

We give an update on the most recent design of the “School Cosmic Ray Outreach Detector” (SCROD) using pixellated Geiger-mode avalanche photodiodes and scintillating tiles with wavelength shifting fibers as detectors. This technology offers very high levels of robustness at low cost. Voltages and currents are also so low as to reduce shock hazard to zero, and there are no fragile glass or vacuum-containing components. Plans are underway to make a very large-scale deployment of such detectors as part of a major outreach project.

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 465-468

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