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Update on radio detection of inclined air showers with LOPES-10

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Abstract content

Inclined air showers are a particularly interesting target for observation with the radio technique. They are expected to be well detectable and allow analyses of angular correlations over a much broader range in geomagnetic angle than near-vertical events. We present an updated analysis of highly inclined (>50° zenith angle), high energy (>10ˆ5 N_mu) air showers measured with KASCADE-Grande in coincidence with LOPES-10. Data from the Grande rather than the KASCADE array are used for the reconstruction of the air shower events, giving us access to a broader range of core distances for an independent cross-check with the earlier analysis.

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

LOPES

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. 4 (HE part 1), pages 231-234

Primary author(s) : Ms. SAFTIOU, Alexandra (National Institute for Physics and Nuclear Engineering, Bucharest, Romania)

Co-author(s) : Dr. HUEGE, Tim (Forschungszentrum Karlsruhe)

Presenter(s) : Dr. HUEGE, Tim (Forschungszentrum Karlsruhe)

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