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Search for anisotropy and point sources of cosmic rays with the KASCADE-Grande experiment

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Abstract content

The KASCADE-Grande experiment, located on site of the Forschungszentrum Karlsruhe in Germany, is a multi-detector setup for measuring extensive air showers of primary energies up to 1 EeV. The main component for measuring showers of the highest energies is the newly added Grande array, which consists of 37 scintillation detector stations, spanning an area of nearly 0.5km². Based on the reconstruction of the arrival directions of individual showers, searches for both large scale anisotropies and point sources are performed. The present state of the ongoing analysis will be presented.

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

KASCADE-Grande

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 223-226

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