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What is the effect of source parameters in the predictions of Small Scale Anisotropies for UHECR experiments?

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Abstract content

We discuss the small scale anisotropy signal predicted for present and future UHECR experiments such as Auger, Telescope Array, Auger North and EUSO. We relax the unrealistic, but commonly used assumption that the sources are all equal and we concentrate our attention on how the expected signal depends on possible distributions of the properties of the sources such as a luminosity function or a varying maximum energy.

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'Oliveo, 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 535-538

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