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## Ultra High Energy Cosmic Rays diffusion in an expanding Universe

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### Abstract content

We will discuss the main theoretical and phenomenological consequences of the diffusion equation solution for Ultra High Energy Cosmic Rays in an expanding Universe. The comparison of the two solution in the case of static and expanding Universe will be also discussed.

**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. 4 (HE part 1), pages 547-550

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