Contribution ID : **186** Type : **Oral**

Positrons from dark matter annihilation in the galactic halo

Tuesday, 10 July 2007 09:06 (0:12)

Abstract content

Indirect detection signals from dark matter annihilation are studied in the positron channel. We discuss in detail the positron galactic production spectra and their propagation inside the galactic medium. Predictions for current and upcoming detectors are provided for neutralino dark matter in a variety of supersymmetric schemes. Correlations with other indirect detection signals are discussed in view of a complete multimessenger study of the dark matter problem.

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 705-708

Primary author(s) : Prof. FORNENGO, Nicolao (University of Torino and INFN/Torino)

Co-author(s) : Dr. DONATO, Fiorenza (University of Torino and INFN/Torino); Mr. LINEROS, Roberto (University of Torino and INFN/Torino)

Presenter(s) : Dr. DONATO, Fiorenza

Session Classification : HE 3.3

Track Classification : HE.3.3