30th International Cosmic Ray Conference

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High multiplicity moun events observed with the L3+C detector

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Abstract content

Using data of the L3+Cosmics experiment, a preliminary measurement of the muon multiplicity distribution is presented. These are compared to Monte Carlo simulation results obtained with the CORSIKA/QGSJET code. Below the "knee" of the primary spectrum 20% more muons are observed than expected. Taking into account the uncertainty of the present primary spectrum measurements, no abnormal phenomena have been found at energies above the knee.

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

L3+C 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. 5 (HE part 2), pages 1213-1216

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