



Contribution ID : 617

Type : **Poster**

Anisotropic and alignment effects in STRANA superfamily with $E_0 > 10^{16}$ eV

Monday, 9 July 2007 14:45 (0:00)

Abstract content

The striking alignment effect detected earlier in gamma-hadron stratospheric STRANA superfamily is supplemented here by analysis of the arrangement of all particles in the central area of the family. It showed the evident anisotropy in the lateral distribution of these particles confirming a coplanar scatter effect in the interaction.

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 667-670

Primary author(s) : Dr. OSEDLO, Vladislav (Skobeltsyn Institute of Nuclear Physics, Moscow State University)

Co-author(s) : Dr. MANAGADZE, Alexander (Skobeltsyn Institute of Nuclear Physics, Moscow State University); ROGANOVA, Tatiana (Skobeltsyn Institute of Nuclear Physics, Moscow State University); SVESHNIKOVA, Lyubov (Skobeltsyn Institute of Nuclear Physics, Moscow State University); GALKIN, Vladimir (Physical Department of Moscow State University); RAKOBOLSKAYA, Irina (Physical Department of Moscow State University); GONCHAROVA, Ludmila (P.N.Lebedev Physical Institute, Academy of Sciences of Russia); KOTELNIKOV, Konstantin (P.N.Lebedev Physical Institute, Academy of Sciences of Russia); POLUKHINA, Natalia (P.N.Lebedev Physical Institute, Academy of Sciences of Russia)

Presenter(s) : Dr. OSEDLO, Vladislav (Skobeltsyn Institute of Nuclear Physics, Moscow State University)

Session Classification : Posters 3 + Coffee

Track Classification : HE.3.1