



Contribution ID: 33

Type: **not specified**

Anisotropy in Cosmic rays from internal transitions in neutron stars

Thursday, 23 May 2013 15:30 (15 minutes)

We discuss the possibility that some recently measured anisotropic cosmic ray components in the TeV-PeV range may be an indication of the ejection of a peculiar type of matter formed in a neutron star internal transition caused by the critical accretion of dark matter from the galactic halo. Current parallel accelerator experiments on earth or on the ISS may shed light on this exotic form of matter.

Primary author: Dr PEREZ GARCIA, M Angeles (University of Salamanca and IUFFyM, Spain)

Co-authors: Dr SILK, Joseph (Institute d'Astrophysique, Paris); Dr KOTERA, Kumiko (Institute d'Astrophysique, Paris)

Presenter: Dr PEREZ GARCIA, M Angeles (University of Salamanca and IUFFyM, Spain)

Session Classification: Parallel Session F