Contribution ID : **817** Type : **Poster**

LATITUDINAL AND RADIAL VARIATION OF >2 GeV/n PROTONS AND ALPHA PARTICLES IN THE SOUTHERN HELIOSPHERE AT SOLAR MAXIMUM: ULYSSES COSPINKET AND NEUTRON MONITOR NETWORK OBSERVATIONS.

Abstract content

Ulysses, launched in October 1990, now is in its third out-of-ecliptic orbit. The situation now is sharply distinct from that during the second orbit in maximum of solar activity and reminds a situation during the first orbit when solar activity was also low, but in contrast to the first orbit we are now in the heliosphere with other polarity of the total solar magnetic field. The Kiel Electron Telescope (KET) on-board Ulysses continue to measure proton and alpha-particles in the energy range from 5 MeV/n to >2 GeV/n. To derive radial and latitudinal gradients, data from the neutron monitor network have been used. The latitudinal and radial gradients are obtained during a descending phase of the solar cycle 23. The results are compared with those obtained for the first and second orbits.

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

Summary

Reference

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Session Classification : Posters 3 + Coffee

Track Classification : SH.3.3