

The international muon telescope network - a new space weather service for international aircraft operators

FRANK JANSEN¹ (for the MuSTAnG Consortium)

¹*Institute of Physics, University of Greifswald, Greifswald, Germany*

Australian, Japanese muon telescopes and MuSTAnG - the first muon space weather telescope in Europe - will form an international muon telescope network. The talk will sketch the scientific background and technical characteristics of the network. Earthward directed plasma clouds will be monitored in real time and from the ground up to about 24 hours before the arrival at Earth. The data from the network will support aircraft operators to include arrival time of solar plasma clouds at Earth.