



Contribution ID : 980

Type : **Poster**

## **First results of the new Muon Spaceweather Telescope for Anisotropies at Greifswald (MUSTAnG).**

*Wednesday, 4 July 2007 14:45 (0:00)*

### **Abstract content**

A new Muon Spaceweather Telescope for Anisotropies dedicated to spaceweather forecast is presently under construction in Greifswald (MuSTAnG), Germany. MuSTAnG in its present configuration consists of 8 m<sup>2</sup> (2 x 4 m<sup>2</sup>) of scintillator plates in 2 layers. Each scintillator plate has a size of 0.25 m<sup>2</sup> and is connected via wavelength-shifting fibres to a photomultiplier unit with integrated high-voltage supply and built-in pre-amplifier. Output pulses are discriminated and further processed by a field-programmable gate array (FPGA).

MuSTAnG became first operational during December 2006. First results including the 14 December 2006 spaceweather event are reported.

**If this paper 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. 1 (SH), pages 347-350

**Primary author(s) :** Prof. HIPPLER, Rainer (Institute of Physics, University of Greifswald, Germany)

**Co-author(s) :** Dr. GÖHLER, Wolfgang (HTS GmbH Coswig); Prof. KUDELA, Karel (IEP SAS Kosice, Slovakia); Prof. MUNAKATA, Kaz (Physics Department, Shinshu University, Matsumoto, Japan); Dr. DULDIG, Marc (Australian Government Antarctic Division, Kingston, Australia); Mr. MENGEL, Andre (Institute of Physics, University of Greifswald, Germany); Dr. JANSEN, Frank (1A Greifswald, Germany); Mr. BARTLING, Günter (1A Greifswald, Germany)

**Presenter(s) :** Prof. HIPPLER, Rainer (Institute of Physics, University of Greifswald, Germany)

**Session Classification :** Posters 1 + Coffee

**Track Classification :** SH.2.1