



Contribution ID : 154

Type : **Poster**

Simulation of UHECR events in the upgraded TUS space detector.

Abstract content

In the TUS detector being prepared for launch on the separate platform the mirror- concentrator is enlarged to 2 sq. m, the photo receiver electronics is ready to register not only short EAS signals (less than 100 microseconds) but also long signals from TLE events. The registration of EAS and TLE events were simulated taking into account data on atmosphere glow and TLE events from the “Universitetsky-Tatiana” satellite. Threshold signals for triggering by EAS and TLE were selected for variable intensity of background atmosphere light.

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

Summary

Reference

Primary author(s) : Mr. KLIMOV, Pavel (Skobeltsyn Institute of Nuclear Physics); Mr. GARIPOV, Gali (Skobeltsyn Institute of Nuclear Physics); Dr. KHRENOV, Boris (Skobeltsyn Institute of Nuclear Physics); Dr. SHARAKIN, Sergei (Skobeltsyn Institute of Nuclear Physics)

Presenter(s) : Mr. KLIMOV, Pavel (Skobeltsyn Institute of Nuclear Physics)

Session Classification : Posters 2 + Coffee

Track Classification : HE.1.5