

First results of the TUS experiment on board of the M. Lomonosov Satellite

Abstract

On April 28th 2016 the TUS (Tracking Ultraviolet Setup) was launched on board of the M. Lomonosov Satellite. We present briefly the main scientific goals of the mission, the capabilities of this orbital telescope and some of the events recorded by it, including extreme energy cosmic rays (EECR) and Transient Luminous Events (TLE's).

Primary author(s) : Dr. MARTINEZ, oscar (fcfm-buap)

Co-author(s) : Dr. KLIMOV, Pavel (MSU Russia); Dr. KHRENOV, Boris (MSU Russia); Dr. PONCE, Epifanio (FCFM-BUAP, MSU Russia); Dr. SALAZAR, Humberto (LNS BUAP)

Presenter(s) : Dr. MARTINEZ, oscar (fcfm-buap)