

Prospects for studies on ELVES and Sprites with JEM-EUSO

Monday, 30 September 2013 17:00 (45 minutes)

The Extreme Universe Space Observatory on board of the Japanese Experiment Module (JEM-EUSO) is a new type of observatory to be placed on the International Space Station after 2017 to observe Ultra High Energy Cosmic Rays ($E > 5 \times 10^{19}$ eV) from space. Among the exploratory objectives of the mission there is also the observation of the Transient Luminous Events (TLEs).

In this presentation the JEM-EUSO mission will be described, focusing on the main parameters of the instrument, and its capabilities to observe TLEs.

Presenter: Dr BERTAINA, Mario (INFN & University Torino)