



Contribution ID: 560

Type: **Poster contribution**

Mini-EUSO: a pathfinder for JEM-EUSO to measure Earth's UV background from the ISS.

Tuesday, August 4, 2015 4:00 PM (1 hour)

For any experiment aiming at the observation of Ultra High Energy Cosmic Rays (UHECR's) from space, one key measurement is related to the UV background produced in Earth atmosphere. In view of the planned missions (KLYPVE/K-EUSO, JEM-EUSO) at the International Space Station (ISS), a small, compact UV telescope, Mini-EUSO, is being developed by the JEM-EUSO International Collaboration to be placed at the transparent, nadir looking UV window of the Russian module of the ISS. Mini-EUSO is a mission approved by the Italian Space Agency (ASI) and, under the name "UV atmosphere", by the Russian Space Agency Roscosmos. Scientific, technical and programmatic aspects of this project will be described.

Collaboration

JEM-EUSO

Registration number following "ICRC2015-I"

0434

Primary author: Dr RICCI, Marco (INFN, Laboratori Nazionali di Frascati, Frascati (Roma), Italy)

Co-authors: Dr CASOLINO, Marco (INFN, Sezione di Roma Tor Vergata, Roma, Italy; RIKEN Advanced Science Institute, Wako, Japan); Dr KLIMOV, Pavel (Skobeltsyn Institute of Nuclear Physics, Moscow State University, Moscow, Russia)

Presenter: Dr RICCI, Marco (INFN, Laboratori Nazionali di Frascati, Frascati (Roma), Italy)

Session Classification: Poster 3 CR

Track Classification: CR-IN