

Project Title:

Sources identification for JEM-EUSO

Name: Lech Wiktor Piotrowski

Laboratory: EUSO Team, Coordinated Space Observation and Experiment Research Group,
Corporate & International Relations Division, RIKEN Advanced Science Institute,
RIKEN Wako Institute

The JEM-EUSO will be a cosmic-ray telescope attached to a Japanese Experimental Module of International Space Station. Its main aim is to measure cosmic rays of extremely high energies, find their origins and sources, spectrum, etc.

The project requires simulations of background and sources particle showers in the atmosphere, as well as telescope detection capabilities.

No jobs were executed due to the fact that I was mainly focusing on analytical estimations of background, which could be carried on a local machine. However, this will most likely change in the future.