

**EUSO: EXTREME UNIVERSE SPACE OBSERVATORY – GROUND DATA HANDLING AND OUTREACH.**

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The Extreme Universe Space Observatory EUSO will collect a statistically significant number of EECR and neutrino events together with atmospheric physics and meteoroid events. As for other experiments on board the International Space Station ISS, telemetry from EUSO would be received at the ISS Payload Operation Center located at the Marshall MSFC Center in Huntsville, Alabama, and then forwarded to the European EUSO Operation Center, which will constitute essential part of the EUSO Ground Segment. Aim of this presentation is to identify the main components of the EUSO Ground Segment, their structure, activity and responsibilities, together with the content of the raw data which have to take into account all the heterogeneous information (ISS housekeeping, atmosphere, ancillary data, ...) needed to analyse and properly archive the EUSO scientific data.

Note: EUSO has been approved for the Phase A study by the European Space Agency ESA. The Phase A study will start in April 2001 and the EUSO Collaboration will be consequently formalized.