



Contribution ID: 925

Type: **Poster contribution**

## Tests of JEM-EUSO 1st level trigger using EUSO-Balloon data

*Tuesday 4 August 2015 16:00 (1 hour)*

EUSO-Balloon successfully flew on August 2014 from Timmins (Ontario, Canada). Its focal surface was an array of 36 MAPMTs, 64 pixels each, for a total of 2304 channels. During its 5 hours flight at float altitude of about 40 km it routinely recorded sequences of 128 consecutive  $2.5 \mu\text{s}$  long snapshots (GTUs) of the luminous conditions in its field of view ( $\sim 64 \text{ km}^2$ ) with a spatial resolution of  $\sim 175 \times 175 \text{ m}^2$ . In total about  $4 \times 10^7$  GTUs were acquired imaging nightglow background from forests, lakes and clouds, as well as city light conditions and artificial air showers tracks generated

by means of a laser installed on an helicopter flying underneath EUSO-Balloon. EUSO-Balloon data have been processed a posteriori using the algorithm foreseen for the 1st level trigger of JEM-EUSO. This contribution will report on the results of such analysis.

### Collaboration

JEM-EUSO

### Registration number following "ICRC2015-I/"

443

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