



Contribution ID: 33

Type: **not specified**

Characterisation of the radio signal emission from extensive air showers using the SELFAS code

Tuesday, 10 June 2014 12:40 (20 minutes)

The code SELFAS computes the electric field emitted by the secondary electrons and positrons in air showers initiated by high-energy cosmic rays.

SELFAS is based on the shower universality. We will focus on the main successes of the code to explain observations in the range MHz-GHz, and we will insist on the signal emitted by the sudden death of air showers when the front disappear in the ground, in the context of the new EXTASIS experiment.

Primary author: Mr REVENU, Benoît (Subatech)

Co-authors: LOUÉDEC, Karim (LPSC); MARIN, Vincent (Subatech)

Presenter: Mr REVENU, Benoît (Subatech)

Session Classification: Tues AM II

Track Classification: Tues AM II - Air Shower Experiment