

18th International School on the Effects of Radiation on Embedded Systems for Space Applications (SERESSA)

SERESSA 2022

Organizers:



Contribution ID: 42

Type: **not specified**

CELESTA project

Friday 9 December 2022 11:00 (1 hour)

CELESTA is a student cubesat mission product of a collaboration between the “Centre Spatial Universitaire de Montpellier” (CSUM) and CERN. This cubesat activity will be first of all put in the framework of the more global “Radiation to Electronics” program at CERN. The cubesat payload, consisting of radiation monitors and effects experiments, will then be presented, including its ground based calibration and testing against radiation, as well as the preliminary in-orbit results. In addition, an outlook will be provided related to present and future developments of CERN’s space radiation monitor (RadMON), to be embarked in many more space missions to come.

Presenters: ZIMMARO, Alessandro (Universite Montpellier I (FR)); SECONDO, Raffaello (CERN); GARCIA ALIA, Ruben (CERN)