

Phenomenology 2021 Symposium



Contribution ID: 1217

Type: **Cosmology**

A proposal for relative in-flight flux self-calibrations for spectro-photometric surveys

Monday 24 May 2021 16:30 (15 minutes)

Cosmology experiments are often based on large-scale surveys on satellite and need methods to perform in-flight relative flux self-calibrations of their spectro-photometer instruments. In this talk a method is proposed where the instrument response function is inferred with a chi square statistics in an unbiased way, simulating a simplified sequence of observations with realistic distributions of sources and count rates. A validation of the method, with the definition of figures of merit to quantify the expected performances, will also be presented.

Summary

Primary author: TOSI, Silvano (INFN e Universita Genova (IT))

Presenter: TOSI, Silvano (INFN e Università Genova (IT))

Session Classification: Cosmology II