



Contribution ID: 223

Type: **Talk**

## The MICROSCOPE mission ready to test the Equivalence Principle in space

*Tuesday 8 December 2015 17:55 (20 minutes)*

MICROSCOPE is a French Space Agency scheduled for launch in 2016, that aims to test the Weak Equivalence Principle in space: one century after the publication of Einstein's General Relativity, it could allow us to reveal a breach in the theory. Thanks to its cutting-edge-technology inertial sensors, it will allow us to measure the Eotvos parameter down to  $10^{-15}$ , two orders of magnitude better than the best current constraints. In this talk, I will motivate the science behind MICROSCOPE and present the mission. I will then summarize its status, with an emphasis on how we will tackle the data analysis challenges.

**Author:** BERGE, Joel (ONERA)

**Presenter:** BERGE, Joel (ONERA)

**Session Classification:** 20 - Future challenges and experiments