

## Second ASTERICS-OBELICS Workshop



Contribution ID: 10

Type: not specified

# Python high-level programming language in the field of astrophysics and astroparticle

*Monday, 16 October 2017 11:35 (15 minutes)*

Python high-level programming language in the field of astrophysics and astroparticle physics is the most widely used software language, but its performances is still challenging for researchers. In this talk, I will present performance benchmark results that we have obtained by comparing Numpy Python libraries and a mathematical Python library wrapped on our own optimized C/C++ code. Along with benchmark performance, I also present some of the best practices for python developers.

**Primary author:** Mr JACQUEMIER, Jean

**Presenter:** Mr JACQUEMIER, Jean