



Contribution ID: 12

Type: Talk

[5] Gravitational waves: a new window to explore the Universe

Tuesday 22 August 2017 14:30 (45 minutes)

The discovery in 2015 by the LIGO collaboration of the first gravitational wave signal from coalescing black holes and the superb performance of the LISA Pathfinder satellite opened a new window to explore the Universe.

I will discuss these exciting developments and also the future of the field, in particular the space-based mission LISA to detect gravitational waves from space. I will give an overview of the main scientific goals of LISA. In particular, it will be able to study in great detail mergers of supermassive black holes, which are present in the galactic centers. It will thus allow to test general relativity in the strong gravity regime to high accuracy.

Author: JETZER, Philippe (University of Zurich)

Presenter: JETZER, Philippe (University of Zurich)

Session Classification: Plenary Session