Contribution ID: **76** Type: **Talk**

Numerical investigation of superradiant instabilities

Wednesday, January 15, 2020 4:30 PM (15 minutes)

We present a numerical investigation of the superradiant instability in spinning black holes surrounded by a plasma with density increasing when moving closer to the black hole. We try to understand whether superradiant instabilities are relevant or not for astrophysical black-holes surrounded by matter.

Primary authors: Mr DIMA, Alexandru (SISSA); Prof. BARAUSSE, Enrico (Sissa)

Presenter: Mr DIMA, Alexandru (SISSA)

Session Classification: Afternoon session