



Contribution ID: 17

Type: **Talk**

## Overspinning process in Kerr black holes

*Tuesday, 3 December 2019 15:20 (20 minutes)*

It is shown that extremal and near-extremal Kerr black holes cannot be destroyed and obtain a naked singularity, in absorption processes where matter satisfies the null energy condition along the generators. This results rely on the calculation of second order corrections to the final mass of the black hole, in agreement with the weak cosmic censorship conjecture.

**Primary author:** VASQUEZ , Ivan (Universidad del Atlántico)

**Presenter:** VASQUEZ , Ivan (Universidad del Atlántico)