



## **Shadow of a collapsing star in a regular spacetime**

**Juan Carlos Degollado Daza**

Universidade Nacional Autônoma do México, México

In this talk I will revisit the dynamical formation of the shadow of a collapsing star in a Hayward regular spacetime in terms of an observer far away from the center. We determine the angular size of the shadow as a function of time and found that the formation of the shadow is a finite process, and its size is affected by the Hayward spacetime parameters. We consider several scenarios, from the Schwarzschild limit to an extreme Hayward black hole.