



Contribution ID: 70

Type: **Oral presentation (preferred)**

Domain walls in curved spacetimes

Monday 25 September 2017 17:10 (20 minutes)

Topological defects such as domain walls are present in many Beyond Standard Model theories and cosmological models. We investigate the behaviour of a thick domain wall in the Kerr spacetime. We simulate the transit of a light domain wall through the Kerr black hole to show how this behaviour depends on the domain walls' parameters and the black hole's spin. We also point out the presence of ringing modes.

Author: FICEK, Filip (Jagiellonian University)

Presenter: FICEK, Filip (Jagiellonian University)

Session Classification: Accretion