Sixteenth Marcel Grossmann Meeting



Contribution ID: 286

Type: Talk in the parallel session

Black to White Hole Tunnelling

Increasing theoretical evidence supports the possibility that quantum theory replaces the black hole singularity with a quantum tunnelling to an anti-trapped region, and the blackhole horizon tunnels into a white hole horizon. I review the different elements supporting this intriguing scenario, and mention its possible astrophysical and cosmological implications.

Primary author: ROVELLI, Carlo (AMU University)

Presenter: ROVELLI, Carlo (AMU University)

Session Classification: Loop Quantum Gravity: Cosmology and Black Holes

Track Classification: Quantum Gravity: Loop quantum gravity: cosmology and black holes