



Contribution ID: 47

Type: **not specified**

Fermion tunneling from Kerr-like black hole of topologically massive gravity

Tuesday 29 August 2023 21:50 (5 minutes)

In the context of three dimensional theory of general relativity (TMG), a Kerr-like metric is obtained. Using Penrose diagrams, The causal structure and particle's diffusion are discussed, and within the fermions tunneling effect approach and WKB approximation, the expression of Hawking temperature is also derived.

Presenter: BOUHALOUF, Habiba

Session Classification: Posters of tuesday (ignore time)