

Influence of Generalized Uncertainty Principle on tunneling of fermions from Kerr-Newman black holes and correction to Hawking temperature.

AHEIBAM KESHWARJIT SINGH^{1,*}

1 D. M. College of Science, Imphal, Manipur

* Presenting author (keshwarjit@gmail.com)

We study the tunneling of fermions across the event horizon of a Kerr-Newman black hole using the modified Dirac equation and WKB approximation. The tunneling rate and temperature the black hole are obtained. Corrections introduced by Generalized Uncertainty Principle are discussed.