



Contribution ID: 998
compétition)

Type: **Oral (Student, In Competition) / Orale (Étudiant(e), inscrit à la**

Quantum tunneling of Fermions from Black Strings

Monday 13 June 2016 16:45 (15 minutes)

In this work I would like to give semi-classical derivation of Hawking temperature from cylindrically symmetric charged rotating black strings. I will use Hamilton Jacobi method and WKB approximation to get analytic expression for Hawking temperature of fermions tunneling from charged black strings.

Author: Mr AHMED, Jamil (Quaid-i-Azam University, Islamabad)

Co-author: Dr SAIFULLAH, Khalid (Quaid-i-Azam University, Islamabad)

Presenter: Mr AHMED, Jamil (Quaid-i-Azam University, Islamabad)

Session Classification: M3-3 Fields and Strings (DTP) / Champs et cordes (DPT)

Track Classification: Theoretical Physics / Physique théorique (DTP-DPT)