

SCATTERING AND ORBITING IN Black Hole Spacetime

Tuesday, 3 October 2017 09:45 (15)

We investigate the transmission and reflection coefficient and absorption and scattering cross section of spin 0,1,2 particles which are massless from black holes. Here orbiting scattering can be characterized of massless particles from Reissner-Nordstrom black hole at a critical angular momentum. We examine the effects upon reflection,transmission,scattering and absorption cross section due to the black hole charge.

Primary author(s) : Dr. FARIDI, M. Ayub (University of the Punjab); Mrs. NAZIR, Sadia (CHEP, University of thePunjab)

Presenter(s) : Dr. FARIDI, M. Ayub (University of the Punjab)

Session Classification : Gravitation and Cosmology - 1

Track Classification : Gravitation and cosmology