

"Entangled Dilaton Dyons"

Sandip Parimal Trivedi (Tata Institute of Fundamental Research)

Abstract

Einstein-Maxwell theory coupled to a dilaton is known to give rise to extremal solutions with hyperscaling violation. These solutions are potentially of interest from the point of view of studying systems with Non Landau-Fermi liquid behaviour. We will first review the properties of the gravity solutions and then discuss their stability and their behaviour in the presence of a small magnetic field.