

ASTRONOMY SEMINAR

June 1, 2011

Speaker : Ayan Chatterjee
IMSc, Chennai

Title : Isolated horizons: formalism and applications

Day, Date & Time : 10 June, 2011 (Friday) at 1130 hrs

Venue : TAP Seminar Room (A269)

(A. Gopakumar)

A b s t r a c t

Isolated horizon is a local description and perhaps the most general definition of black hole horizons. Because of its generality, it has indeed become a tool to understand black hole mechanics and black hole entropy in various theories of gravity including supergravity. In this seminar, I will talk about the mathematical & geometrical set up. Moreover, I shall show that the formalism is readily applicable to determine entropy of extremal black holes.