

Area Seminar

Title Extreme values and records: from statistics to physics

Date and Time 09/07/2012 16:00:00

Speaker Arul Laxminarayan

IIT Madras, Chennai

Area Theoretical Physics

Venue Room No. 469

Abstract While the study of the ``average" leads to the Central Limit Theorem, there exists similar universal distributions for the largest and the smallest. Indeed the study of Extreme events, Large deviations and Records is of wide interest and there has been a resurgence of interest in these areas with developments from Mathematical Physics to Nonequilibrium Statistical Physics. The talk will be a very limited review of some of these aspects, and its applications to some quantum problems, especially related to quantum chaos and entanglement.