

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE
2A&B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032, India

Seminar Notice

Org. by

Theoretical Physics Department

Title:	New signals for vector-like down type quark in U(1) of E6
Speaker:	Kashinath Das, HRI, Allahabad
Date:	March 27, 2017 (Monday)
Time:	3:30 p.m.
Venue:	Theoretical Physics Seminar Room (R/No.-C406), 3rd Floor, Centenary Building, IACS
Abstract:	In this talk I will focus on a channel of Vector-like down type quark pair production and their subsequent cascade decay through a BSM scalar giving rise to two photon and four jet final state in a non-SUSY version of E6 model. The symmetry breaking pattern is such that one U (1) in addition to the SM gauge symmetry remain unbroken at the TeV scale or even higher. For such a scenario, I will discuss about the possible signals for the vector-like down type quark at LHC.

All are cordially invited to attend the seminar