

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:	Search for exotic new physics in CMS
Speaker:	Swagata Mukherjee, RWTH Aachen University, Germany
Date:	November 29, 2017 (Wednesday)
Time:	3:00 p.m.
Venue:	Theoretical Physics Seminar Room (C406), 3rd Floor, Centenary Building, IACS
Abstract:	The latest results of searches for exotic new physics from the CMS collaboration will be presented. The primary focus will be on the searches of new particles decaying to leptons, as the experimental signatures involving leptons are one of the cleanest probes of new physics at the LHC. In this talk, the status of data scouting will also be presented. After several years of LHC running, new physics haven't been found yet. So it is high time that the CMS experiment start to focus also on the difficult corners of the phase space. Data scouting is one such attempt. This special data flow, based on event-size reduction rather than event filtering, is considered as a coherent discovery tool, and will be reviewed in this talk.

All are cordially invited to attend the seminar