

Seminar Notice

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School of Physical Sciences

Title:	Collider signatures of feebly interacting dark sectors
Speaker:	Avirup Ghosh, HRI, Allahabad
Date:	May 27, 2019 (Monday)
Time:	4:00 p.m.
Venue:	Physics Seminar Room (C-406), 3rd Floor, Centenary Building, IACS
Abstract:	Non-observation of WIMP in collider and Direct search experiments (till now) calls for alternate mechanisms of dark matter production. Feebly interacting massive particles are such an alternative class of dark matter candidates which pertaining to their very weak interactions are not easily produced in the colliders or give an observable effect in the Direct search experiments. While interplay of such dark candidates with other members of the dark sector may have some interesting observational effects in the colliders. I will discuss about three such scenarios, two of which are non-supersymmetric extension of SM while the last one being a trivial extension of Minimal Supersymmetric Standard model.

All are cordially invited to attend the seminar