

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:	Quintuplet Minimal Dark Matter
Speaker:	Ayon Patra, CHEP, IISc, Bangalore
Date:	June 26, 2018 (Tuesday)
Time:	4:00 p.m.
Venue:	Theoretical Physics Seminar Room (C406), 3rd Floor, Centenary Building, IACS
Abstract:	Left right symmetric models can naturally explain several phenomenon which are not well understood in the Standard Model. We consider a minimal quintuplet dark matter in this framework, whose neutral component can be a viable dark matter while its charged components can give rise to interesting collider signals. An additional singlet scalar helps to obtain the correct relic density at almost any dark matter mass while also producing a diphoton final state. In this talk I will present the model and discuss some of its interesting phenomenology.

All are cordially invited to attend the seminar