

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:	Connecting Neutrinos to Dark Matter
Speaker:	Subhadiya Bhattacharya, Department of Physics, IIT-Guwahati
Date:	May 22, 2018 (Tuesday)
Time:	3:00 p.m.
Venue:	Theoretical Physics Seminar Room (C406), 3rd Floor, Centenary Building, IACS
Abstract:	<p>A concrete motivation to study physics beyond the Standard Model has come from the observation of massive neutrinos and from the astrophysical evidences of dark matter. Although, heavily different on mass scale, both of these species are electromagnetic charge neutral and weakly coupled to visible sector. This raises a question whether these two apparently uncorrelated particles have something in common. We plan to discuss the model frameworks where both neutrino mass and dark matter problems have been addressed together and specifically elaborate those where a one-to-one connection may be built.</p>

All are cordially invited to attend the seminar