

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A & 2B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032, India

Seminar Notice

Org. by

School of Physical Sciences

Title:	Prethermalization of a Magnon Gas
Speaker:	Saraswat Bhattacharyya, IISc, Bangalore
Date:	September 5, 2019 (Thursday)
Time:	15:30
Venue:	Physics Seminar Room (C-406), 3rd Floor, Centenary Building, IACS
Abstract:	We studied the universal far-from-equilibrium dynamics of magnons in a Heisenberg ferromagnet. We found that the magnon distribution function shows universal scaling behavior in momentum and time. We computed the scaling exponents using Boltzmann kinetic equation and incoherent initial conditions, which can be generated from microwave pumping - and compare the analytical results with numerical data.

All are cordially invited to attend the seminar