

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:	Sources of Primordial Gravitational Waves as Probe of Particle Physics
Speaker:	Anish Ghoshal, Institute of Theoretical Physics, University of Warsaw, Poland
Date:	March 16, 2022 (Wednesday)
Time:	16:00 Hours (IST)
Venue:	Physics Seminar Room (C-406), 3rd Floor, Centenary Building, IACS
Abstract:	In this talk I describe various primordial sources of Gravitational Waves: inflationary tensor perturbations: primary and secondary, reheating, (p)reheating, phase transitions, cosmic strings, domain walls and many more. I will show how a stochastic background of Gravitational Waves (SBGW) spectrum from such sources of cosmic origin acts as complementary tests of particle physics & cosmology with rest to other laboratory searches and astrophysical observations.

All are cordially invited to attend the seminar