

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:	Universality Relations for Gravitational Waves and their Universality
Speaker:	Kabir Chakravarti, IUCAA, Pune
Date:	November 19, 2019 (Tuesday)
Time:	16:00 Hours
Venue:	Physics Seminar Room (C-406), 3rd Floor, Centenary Building, IACS
Abstract:	The recent observation of Gravitational Waves (GWs) from merging Black Holes (BHs) and Neutron Stars (NSs) have truly ushered in the era of GW astronomy. Presently, a bulk of the research in the field of GWs are driven by data analysis. A key concept which is used over and over again for Data analysis is the so called Universality. The speaker will introduce the different kinds of Universality, all of which arise at the perturbation level. The focus of this talk will be to investigate Universality in various scenarios, and understand whether or not they are truly universal. In this context, two very specific scenarios (higher dimensions, thermal effects) will be considered. The implications arising from each will also be discussed.

All are cordially invited to attend the seminar