

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE
2A&B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032, India

Seminar Notice

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Theoretical Physics Department

Title:	Testing the performance of phenomenological waveform models in characterizing NS-BH binaries
Speaker:	Kabir Chakravarti, IUCAA, Pune
Date:	March 20, 2017 (Monday)
Time:	4:00 p.m.
Venue:	Theoretical Physics Seminar Room (R/No.-C406), 3rd Floor, Centenary Building, IACS
Abstract:	Astrophysics wise, the study of gravitational radiation from NS-BH binary systems is very significant. Apart from detection- which would be the confirmation that such binary systems exist in nature- the GW parameter estimation would provide useful bounds on an NS Equation of State parameter, namely the Dimensionless Tidal Love Number. In this discussion, we shall review the performance of existing NS-BH templates against accurately modelled target signals. We would also discuss the procedure of generation of the target signals so employed.

All are cordially invited to attend the seminar