

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:	Bouncing cosmology from warped extra dimensional scenario
Speaker:	Tanmoy Paul, Theoretical Physics Department, IACS
Date:	December 12, 2017 (Tuesday)
Time:	11:30 a.m.
Venue:	Theoretical Physics Seminar Room (C406), 3rd Floor, Centenary Building, IACS
Abstract:	From the perspective of four dimensional effective theory on a two brane warped geometry model, we examine the possibility of ``bouncing phenomena'' on our visible brane. Our results reveal that the presence of warped extra dimension lead to a non-singular bounce on the brane scale factor and hence can remove the ``big-bang singularity''. We also examine the possible parametric regions for which this bouncing is possible.

All are cordially invited to attend the seminar