

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

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

Seminar Notice

Org. by

School of Physical Sciences

Title:	Fermion zero modes of N=2 Supergravity
Speaker:	Palash Dubey, School of Physical Sciences, NISER, Bhubaneswar
Date:	October 29, 2018 (Monday)
Time:	4:00 p.m.
Venue:	Physics Seminar Room (C406), 3rd Floor, Centenary Building, IACS
Abstract:	The number of fermion zero modes of multi centred black holes can be calculated using supersymmetric quantum mechanics of the centres. This counting can be explicitly verified by constructing them using the broken supersymmetries and showing that these are unique. In the talk I will review how to obtain the gravitini goldstino zero modes of the Majumdar Papapetrou solution. I will show that these zero modes are unique.

All are cordially invited to attend the seminar