

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

Seminar Notice

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School of Physical Sciences

Title:	Classical Monopole Solutions to $N = 3$ Chern-Simons-Yang-Mills Theories
Speaker:	Moumita Patra, School of Physical Sciences, NISER, Bhubaneswar
Date:	November 2, 2018 (Friday)
Time:	2:00 p.m.
Venue:	Physics Seminar Room (C406), 3rd Floor, Centenary Building, IACS
Abstract:	Monopole operators are very important objects and have been a subject of study in the context of 2+1 dimensional gauge theories. These operators are often useful in establishing dualities between gauge theories and to study hidden symmetries in some strongly coupled supersymmetric gauge theories. In this talk I will describe how to obtain classical monopole solution in $N=3$ Chern-Simons-Yang-Mills theory. This theory flows to a conformal fixed point in the IR and reduces to ABJM theory, which is conjectured gauge theory dual of M-theory on $AdS_4 \times S^7/Z_k$, for a special case.

All are cordially invited to attend the seminar