

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

Seminar Notice

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School of Physical Sciences

Title:	The electromagnetic form factor of the pion at high precision
Speaker:	B. Ananthanarayan, Centre for High Energy Physics, Indian Institute of Science, Bengaluru
Date:	March 26, 2019 (Tuesday)
Time:	4:00 p.m.
Venue:	Physics Seminar Room - C406, 3rd Floor, Centenary Building, IACS
Abstract:	The electromagnetic form factor of the pion is a fundamental strong interaction quantity that probes the structure of the pion. Its precise knowledge is necessary to evaluate the SM contributions to the anomalous magnetic moment of the muon, which is presently being remeasured to high accuracy. We will discuss our results for this quantity using tools of field theory and show the dramatic reduction in uncertainty in the radius, the contributions to the muon anomaly, and its value in several kinematic regions of interest.

All are cordially invited to attend the seminar