

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

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

Seminar Notice

Org. by

School of Physical Sciences

Title:	Three loop QCD corrections to massive form factors and its asymptotic behavior
Speaker:	Narayan Rana, INFN, Milan, Italy
Date:	July 31, 2019 (Wednesday)
Time:	15:30
Venue:	Physics Seminar Room (C-406), 3rd Floor, Centenary Building, IACS
Abstract:	In this talk we present the color-planar and complete light quark non-singlet contributions to the heavy quark form factors for vector, axial-vector, scalar and pseudo-scalar currents at three loops in perturbative QCD. We evaluate the master integrals applying a new method based on differential equations for general bases, which is applicable for any first order factorizable systems. Then we study the Sudakov behavior of such massive form factors.

All are cordially invited to attend the seminar