

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

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| Title: | Higgs Dynamics with Effective Field Theories |
| Speaker: | Ayan Paul, DESY, Hamburg & Institut für Physik, Humboldt Universität zu Berlin, Germany |
| Date: | January 11, 2019 (Friday) |
| Time: | 4:00 p.m. |
| Venue: | Physics Seminar Room - C406, 3rd Floor, Centenary Building, IACS |
| Abstract: | The study of Higgs dynamics, both experimentally and theoretically, has come of age with significant amount of data being collected by the experiments at the LHC and significant theoretical advances being made to reduce uncertainties. In the absence of a clear direction for dynamics beyond the Standard Model, Effective field theories are powerful frameworks to assess the data collected in search of new physics effects. In this talk I will give an overview of several EFT analyses for Higgs productions and decays and some insight into what can be done for future colliders. |

All are cordially invited to attend the seminar