

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:	Exploring the Universe at High Energies
Speaker:	Lab Saha, Universidad Complutense de Madrid, Madrid, Spain
Date:	April 2, 2019 (Tuesday)
Time:	4:00 p.m.
Venue:	Physics Seminar Room - C406, 3rd Floor, Centenary Building, IACS
Abstract:	High-energy photons from space are created in the most violent processes in the universe and are unique and powerful probes for astrophysics and fundamental physics in extreme conditions. With the efforts of dedicated scientists, it took decades to make it possible to do astronomy with high-energy photons, i.e. gamma rays. During the last decade, the state-of-the-art gamma-ray experiments around the globe have given an enormous boost to this field through exciting discoveries of several astrophysical gamma-ray sources such as supernova remnants, pulsars, active galactic nuclei, binary systems. It also allowed us to address questions beyond astrophysics. In the very near future, the next-generation of gamma-ray telescopes with an unprecedented performance will provide a significant advancement of the understanding the high-energy universe and a huge potential for discoveries of the unexpected. This talk illustrates this fascinating young branch of astronomy along with some key science results.

All are cordially invited to attend the seminar