

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:	The exotic world of Long-Lived Particles
Speaker:	Rhitaja Sengupta, IISc, Bangalore
Date:	June 8, 2022 (Wednesday)
Time:	16:00 Hours (IST)
Venue:	Physics Seminar Room(C-406), 3rd Floor, Centenary Building, IACS
Abstract:	Extending our search for new physics to the lifetime frontier has recently gained a lot of attention to ensure that no hint of physics beyond the Standard Model (BSM) eludes our efforts. This talk is an overview of the vast variety of exotic signatures of long-lived particles (LLPs). We discuss our studies exploring and addressing the various challenges faced from the very beginning at the triggering stage to dedicated search analyses to estimation of parameters like the mass and lifetime of the LLP. We also discuss the enormous number of plans and proposals of future endeavours to explore the lifetime frontier.

All are cordially invited to attend the seminar