

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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| <b>Title:</b>    | <b>Late-time Cosmology with a Variation of Fundamental Couplings</b>                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Speaker:</b>  | <b>Soumya Chakrabarti, S.N. Bose Center for Basic Sciences, Kolkata</b>                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Date:</b>     | <b>May 13, 2022 (Friday)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Time:</b>     | <b>14:30 Hours (IST)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Venue:</b>    | <b>Physics Seminar Room(C-406),3rd Floor, Centenary Building, IACS</b>                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Abstract:</b> | We discuss a few possible extensions of standard gravity that can drive the present cosmic acceleration as well as accommodate a mild cosmic variation of one or more fundamental couplings of nature. Cosmological consistency is ensured based on parametrizations of kinematic quantities. Data analysis of molecular absorption lines from different spectrographs is considered a reference for the variations of fundamental couplings at different redshifts. |

All are cordially invited to attend the seminar