

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE  
2A&B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032, India

## Seminar Notice

Org. by

**School of Physical Sciences**

<b>Title:</b>	<b>The quantum fate of black hole horizons</b>
<b>Speaker:</b>	<b>Debajyoti Sarkar, Albert Einstein Center (AEC) for Fundamental Physics, Switzerland</b>
<b>Date:</b>	<b>October 12, 2018 (Friday)</b>
<b>Time:</b>	<b>2:00 p.m.</b>
<b>Venue:</b>	<b>Physics Seminar Room (C406), 3rd Floor, Centenary Building, IACS</b>
<b>Abstract:</b>	I will discuss the possibility that in the semiclassical gravity, the black hole horizon is non-perturbatively replaced by a tiny throat, whose parameters make it a perfect mimicker of a classical black hole. Based on work with Clément Berthiere and Sergey Solodukhin (based on PLB *786*21-27 (2018); arXiv: 1712.09914 [hep-th]).

**All are cordially invited to attend the seminar**