



Project: Laser Interferometer Gravitational-Wave Observatory (LIGO)

Prof. Archana Pai, IIT Bombay

Panel Discussion: Leveraging collaboration for Indian science and industry



About the Panel Member:

- Archana Pai is an Associate Professor at the Department of Physics, IIT Bombay since July 2017. After securing PhD from IUCAA on Gravitational Wave detection using multi-detector network, she held several prestigious post-doctoral fellow positions such as Henri Poincare Fellow at Observatory of Nice, INFN Fellow at La Sapienza and Post Doctoral position at Albert Einstein Institute where she worked did research on gravitational wave signal detection methodologies for ground based as well as future space based LISA detector. Her research interests span from gravitational wave transient search in LIGO-Virgo data to multi-messenger astronomy. Her group in IIT Bombay is an active member of LIGO Scientific Collaboration and contributed to the testing GR using the first Binary Black Hole event and at present leads the Intermediate Black Hole Binary burst search in the LIGO collaboration. She is a recipient of Special Breakthrough Prize in Fundamental Physics as well as Gruber prize in Cosmology along with the LIGO-Virgo Scientific Collaboration for the year 2016.

