



Inter-University Centre for Astronomy and Astrophysics **NATIONAL SCIENCE DAY CELEBRATIONS**

Open Day for Public - February 28 and 29, 2020

We welcome you to Explore, Learn & Enjoy from 10:00 am to 5:00 pm

(Programmes may change. Those not timed, will repeat at regular intervals)

For more information please visit: <http://scipop.iucaa.in> or www.facebook.com/iucaascipop

Activity locations & schedule

Aryabhata & Kund

The Foucault Pendulum, Statues of four Great Scientists, introduced by volunteers

Bhaskara 1

Chandrayaan 2 Demonstration
(20 min sessions in Eng/Mar)

Bhaskara 2 & Outside

Laser Interferometer & Gravitational Waves demonstration (duration 20 min each)
Vortices and Black Holes demonstration

Bhaskara 3

"Imaging a Black Hole"
(20 min sessions in Eng/Mar)

Bhaskara 3 foyer

Posters Presentation: Overview of Astronomy, Astrophysics and research at IUCAA

Varahamihira Quadrangle

IUCAA Optical Facilities displays
Sun & Solar Astronomy displays

Sky Dome

High Energy Astrophysics

TLC Building

Radio Astronomy experiments
Information on ACE activities

Multi-wavelength Astronomy "hunt": All across the Campus

Chandrasekhar Auditorium*

10.30AM-1.00PM* : Talks by Astrophysicists

Time	28 February	29 February
10:30 am	Cosmology by <i>Swagat Mishra</i>	Cosmology by <i>Sujatha Ramakrishnan</i>
11:10 am	Gravitational Waves by <i>Sayantani Bera</i>	Gravitational Waves by <i>Sayantani Bera</i>
11:50 am	Next-generation Radio Astronomy by <i>Pratik Dabhade & Ashish Mhaske</i>	Next-generation Radio Astronomy by <i>Pratik Dabhade & Ashish Mhaske</i>
1:00 pm	Understanding Universe Through Large Optical Telescopes by <i>Siddharth Maharana</i>	Understanding Universe Through Large Optical Telescopes by <i>Siddharth Maharana</i>

2:00 pm* “Ask a Scientist”: Q&A with J.V. Narlikar & Somak Raychaudhury

3:15-5:30PM*: Special talks session : Theme - “Astronomy visions for the next decade”

Time	28 February	29 February
3:15 pm	Astronomy: the big data science by <i>Kaustubh Vaghmare</i>	Multi-wavelength science with AstroSat by <i>Gulab Dewangan</i>
3:45 pm	Giant Eyes in the Sky by <i>A. N. Ramaprakash</i>	Science with the Square Kilometer Array by <i>Neeraj Gupta</i>
4:15 pm	Laser Interferometer Gravitational Wave Observatory (LIGO) by <i>Giles Hammond</i>	The Thirty Meter Telescope by <i>R. Srianand</i>
4:45 pm	Exploring the Sun with Aditya L1 by <i>Avyarthana Ghosh</i>	Laser Interferometer Gravitational Wave Observatory (LIGO) by <i>Giles Hammond</i>

6:00 pm* Public Lectures on Nobel Prize in Physics, 2019

on 28 Feb Title: “Universe unraveled”

by Tarun Souradeep, IISER, Pune

on 29 Feb Title: “Exploring the exoplanets for extra-terrestrial life”

by Sujan Sengupta, IIA, Bengaluru

Science Park

Science & Space demonstrations by school students / volunteers.

Telescope Making, Amateur Astronomy information and Rational thinking stalls.

7:00 pm to 9:00 pm Public Skywatch and viewing through telescopes **

** Passes necessary. Limited passes available at IUCAA security from 25th Feb.

* Event will be webcast live at : <https://www.youtube.com/user/IUCAASciPOP/live>