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

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

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

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