



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

Open Day for Public - Thursday, February 28, 2019

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](http://www.facebook.com/iucaaScipop)

## Activity locations & schedule

### **Aryabhata & Kund**

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

### **Bhaskara 1**

Spectroscopy & Raman Effect Demonstration ( duration 20 min each )

### **Bhaskara 2 & Outside**

Laser Interferometer & Gravitational Waves Demonstration ( duration 20 min each )

3D model of a constellation, Free fall experiment & Gravitational wave demos

### **Bhaskara 3**

**10:15 am to 1:15 pm** "100 years of testing General Relativity" ( 30 min sessions in Eng/Mar )

### **Bhaskara 3 foyer**

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

### **Varahamihira Quadrangle**

Thirty Meter Telescope (TMT) displays

Sun, Solar Astronomy & ADITYA - L1 mission displays

Radio Astronomy experiments

### **Sky Dome & Nalanda reception**

Informative display about ASTROSAT, Citizen Science setup

### **Chandrasekhar Auditorium\***

Short talks by astrophysicists (duration 20 min each)

**10:00 am** Shishir Sankhyayan – “How we study the Large Scale Structures in the Universe?”

**10:40 am** Jameer Manur – “विविध प्रकाशात्न विश्व पाहताना”

**11:20 am** Swagat Mishra – “The Cosmic Recipe: Constituents of Our Universe”

**12:00 pm** Konstantinos Kolokythas – “Radio waves and Active Galactic Nuclei in the Universe”

**12:40 pm** Yash Bhargava – “सितारों का जीवनचक्र हमें क्या बताता है ?”

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

**3:15-5:30PM\***: Special session hosted by **Women in IUCAA**

**Speakers:** Manasadevi P T, Anupreeta More, Vidushi Sharma, Ruchika Seth,  
Avyarthana Ghosh, Sonal Thorve, Pranoti Panchbhai

**6:00 pm\*** Public Lecture on Nobel Prize in Physics 2018 –

Title: “*Lasers as Optical Traps and Bullets*”

by G.V. Pavan Kumar, IISER, Pune

### **Science Park**

Science & Space demonstrations with "Opportunity" rover by school students / volunteers.

Telescope Making, Amateur Astronomy information and Rational thinking stalls.

**7:00 pm to 10:30 pm** Public Skywatch and Telescope viewing \*\*

\*\* Passes necessary. Available at IUCAA security from 25th Feb.

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