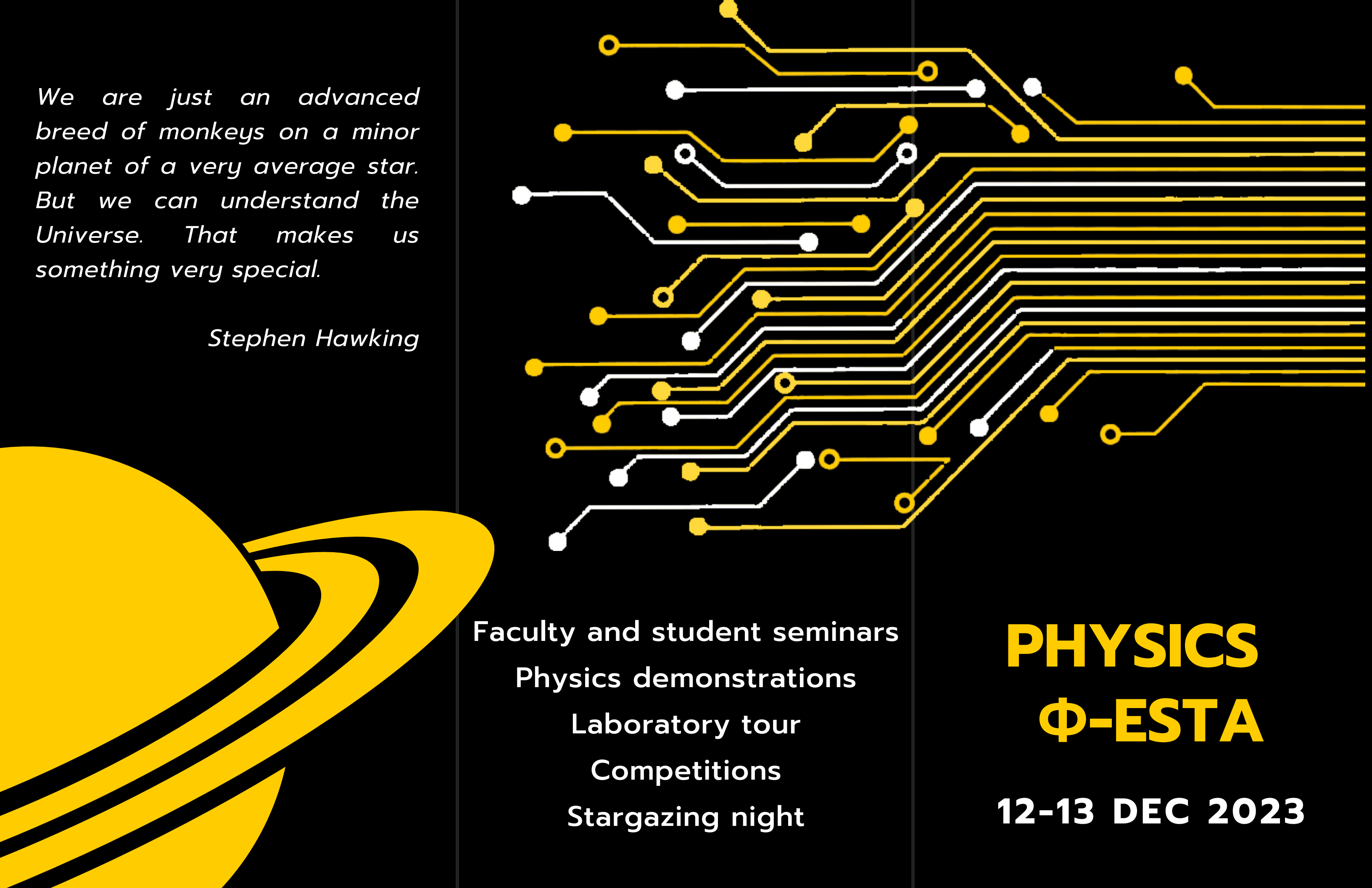


*We are just an advanced breed of monkeys on a minor planet of a very average star. But we can understand the Universe. That makes us something very special.*

*Stephen Hawking*



Faculty and student seminars  
Physics demonstrations  
Laboratory tour  
Competitions  
Stargazing night

**PHYSICS**  
 **$\Phi$ -ESTA**

**12-13 DEC 2023**

# SEMINARS

**TUE, 12 DEC**

## ***SEEING WITHOUT SEEING***

Sivakumar Srinivasan

14:30 - 15:15, CLASSROOM 3F

## ***CHILDREN OF STARDUST AND DARKNESS***

Sushant Raut

15:30 - 16:15, CLASSROOM 3F

**WED, 13 DEC**

## ***MATTER UNDER HIGH PRESSURE***

Venkata Bhadram

14:30 - 15:15, CLASSROOM 3F

## ***TALE (OF) SPIN***

Joan Adithi Franklin

15:30 - 16:15, CLASSROOM 3F

# COMPETITIONS

**TUE, 12 DEC & WED, 13 DEC**

Keep an eye out for questions, puzzles, and activities posted on the notice board outside the physics laboratory. Open to all students.

# DEMONSTRATIONS

**TUE, 12 DEC & WED, 13 DEC**

OPEN 09:00 - 14:30 & 16:30 - 18:00

## **JSW ACAD BLOCK ATRIUM**

YOU SPIN ME RIGHT ROUND

Physics principles with a bicycle wheel

POP POP POP YOUR BOAT

The science behind a popular toy

BE GALILEO FOR A DAY

Drop light and heavy objects from the 3rd floor and time their fall.

(Bring your own objects..)

QUESTIONABLE FLUIDS

Have you ever punched a tub of liquid?

TOP FILTERS

Fun with light polarizing filters

# STARGAZING NIGHT

**TUE, 12 DEC\***

21:00 - 23:00, JSW ACAD BLOCK TERRACE

Join us for stargazing on the terrace with our 8-inch telescope. Spot Jupiter with its moons, and Saturn with its rings.

\*If weather conditions are not suitable, this event may be postponed.

# LAB TOUR AND

# DEMONSTRATIONS

**TUE, 12 DEC & WED, 13 DEC**

OPEN 09:00 - 14:30 & 16:30 - 18:00

## **PHYSICS LAB, 3RD FLOOR**

THE ORIGIN OF COLOUR

Astronomers, chemists and forensic experts all use this technique

STEERING ELECTRONS

See and manipulate a beam of electrons

A HAIR-RAISING SPECTACLE

A chance to electrocute yourself (safely!)

SCREAMING INTO THE VOID

Activities with a vacuum pump

LIGHT + LIGHT = DARK

The experiment that upended Newton's ideas