

Indiana University of Pennsylvania

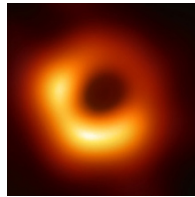
2022-23 Planetarium Shows

FREE AND OPEN TO PUBLIC
Weyandt Hall Planetarium, IUP campus

Daring to Approach the Fire

Sat., Oct. 8, 2022, 10:00 A.M. and 11:30 A.M.

We know the influence of the Sun on Earth and living things. How is it possible to engineer a probe to fly closer to our star than even the planet Mercury? What can it tell us? (Corona of Sun; NASA/Sun-Earth day)



How to Photograph a Black Hole

Thurs., Nov. 3, 2022, 7:00 P.M.

We've all heard that you can't see a black hole because light can't escape. How can we tell they are there, and what they are like? We'll explore the latest ideas. (Black hole in M87; NASA/JPL-Caltech)

Winter Wonders

Tues., Feb. 28, 2023, 7:00 P.M.

The winter constellations Orion and Taurus contain marvelous objects that are favorites for small telescopes and binoculars. They're pretty, but they can also tell us a lot.

Sampling an Asteroid

Weds., Mar. 29, 2023, 7:00 P.M.

A NASA mission grabbed a sample of an asteroid left over from the beginning of the solar system. How can this be done remotely, and what will we learn from the sample when it arrives at Earth in September 2023? Come find out. (Sampling arm of OSIRIS-REx spacecraft; NASA/GSFC/U. of Ariz.)



**Sponsored by the
IUP Geoscience Department and the
IUP Kopchick College of Natural Science and Mathematics**

Shows are at the Indiana University of Pennsylvania planetarium, located on the first floor of Weyandt Hall. Weyandt Hall is on the east side of the Oak Grove next to Oakland Avenue. Weather permitting, after the show telescope observing of the night sky (evening shows) or the Sun (daytime shows) will be available. Seating is limited; doors will open 15 minutes before each show. Groups that wish to attend are asked to call in advance. For more information call 724-357-5626 or 724-357-2379.