

COLUMBIA ASTRONOMY OUTREACH PRESENTS:



STARGAZING & LECTURE SERIES

The History & Future of Black Holes

Daniel D'Orazio

Friday, May 13th, 8:00PM

Pupin Hall, Columbia University



Laurine Moreau / Space Facts

From their inception as a theoretical consequence of Einstein's theory of general relativity in 1916, to their unambiguous detection through gravitational waves 100 years later, black holes are one of the strangest ideas that physics has granted us. This talk will explore our present day understanding of black holes. To do so we will go on two journeys: one in time, through the last 100 years of scientific history that built our understanding of black holes. Another in space and time, on a hypothetical trip to the center of a black hole. If we make it back out, we will discuss the future prospects of scientific discovery from studying these laboratories of gravity.

These are free lectures at a public level followed by guided stargazing with telescopes (weather permitting).

All events are held at Pupin Hall at Columbia University. No reservations are needed.

Lectures are 30 minutes, stargazing lasts 90 minutes. Stay only as long as you want.

For directions, weather updates and more information, please visit:

<http://outreach.astro.columbia.edu>