

COLUMBIA ASTRONOMY OUTREACH PRESENTS:

# STARGAZING & LECTURE SERIES

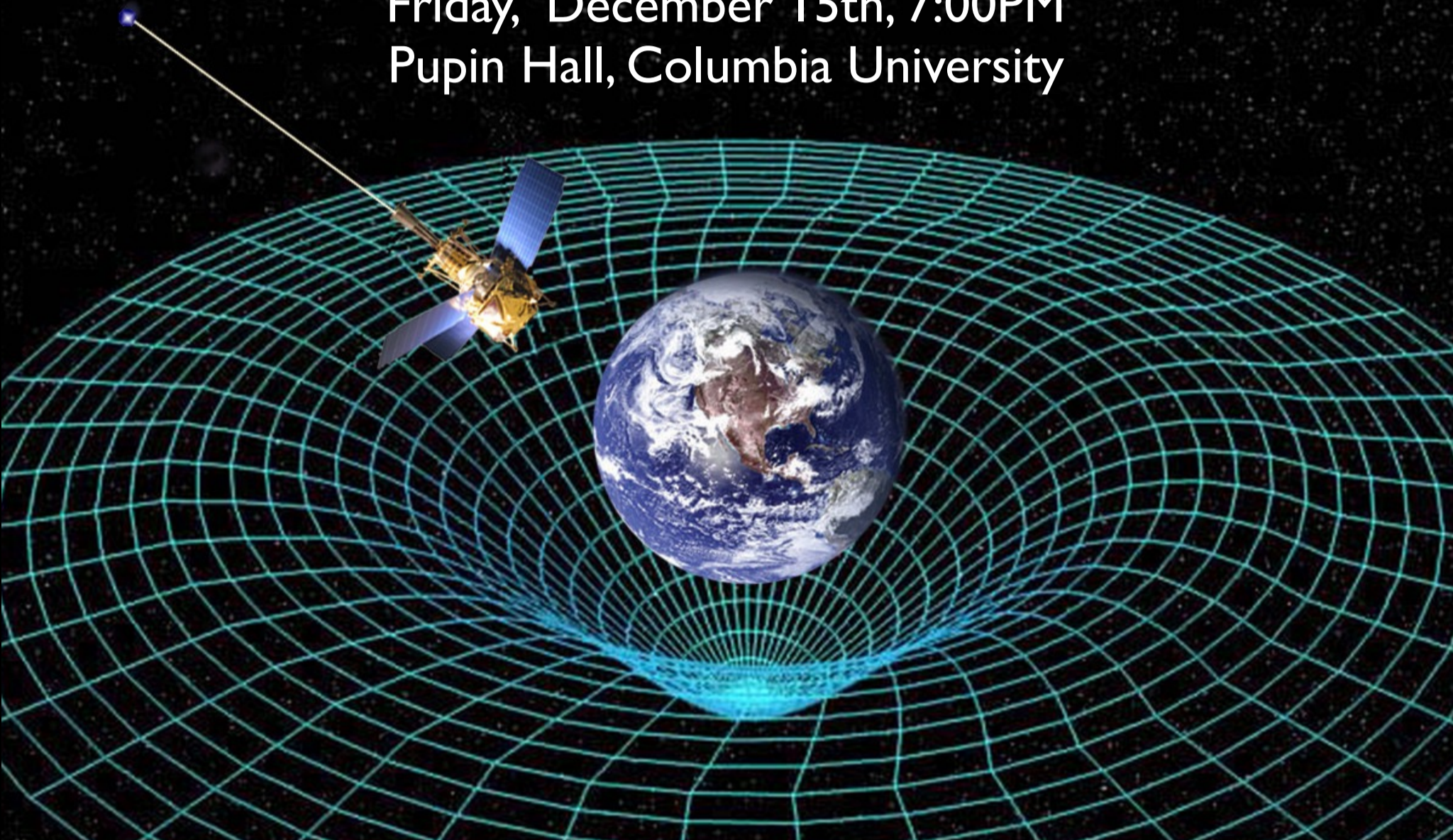


## Gravity: A Status Report

Rachel Rosen

Friday, December 15th, 7:00PM

Pupin Hall, Columbia University



Einstein's theory of gravity, known as general relativity, is one of the most beautiful theories of fundamental physics. It has been tested to great precision on a wide range of scales. Yet gravity remains mysterious: basic questions concerning black holes and quantum gravity have yet to be understood. In this talk I'll review the basic principles behind general relativity and discuss how we approach these outstanding mysteries.

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>