

COLUMBIA ASTRONOMY OUTREACH PRESENTS:



STARGAZING & LECTURE SERIES

Cosmic Mergers & Acquisitions: Black Holes and the Growth of Galaxies

Jenny Greene

Friday, October 27th, 8:00PM

Pupin Hall, Columbia University

Galaxies grow by merging. These mergers set off fireworks in the galaxy and fuel the supermassive black hole. We discuss how energy input from the growing black hole may impact the surrounding galaxy. We then ask whether the paired black holes ever merge themselves, which is necessary if we ever want to detect gravitational radiation from supermassive black holes.

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>