

COLUMBIA ASTRONOMY OUTREACH PRESENTS:



# STARGAZING & LECTURE SERIES

## The Dark Matter of Ghost Galaxies

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Friday, November 13th, 7:00PM

Pupin Hall, Columbia University

The smallest, least massive galaxies - known as dwarf galaxies - present a number of mysteries. They are ghostly, with more dark matter by percentage than more massive galaxies. There are fewer dwarf galaxies than originally predicted, and their dark matter is not as dense in their centers as we expect. In this talk you will learn more about these mysteries and how astronomers attempt to solve them.

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>