

COLUMBIA ASTRONOMY OUTREACH PRESENTS:



STARGAZING & LECTURE SERIES

Why Dark Matter Matters

by Kerstin Perez

Friday, May 3rd, 8:00PM

Pupin Hall, Columbia University

Lurking in every corner of the universe is mysterious form of matter, invisible to the standard instruments of astronomy. Not only does this "dark matter" permeate the universe, it is five times more plentiful than the typical matter that forms stars, planets, dust, gas, and everything we see on this earth, embodying entirely new laws of physics. In this talk, I will explain how we know that there exists matter we cannot see, and the innovative ways that modern scientists are trying to identify what it could be.

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>