

COLUMBIA ASTRONOMY OUTREACH PRESENTS:



STARGAZING & LECTURE SERIES

The Immortal Quantum: Following Energy in the Universe

A lecture by Cameron Hummels

Friday, May 11th, 8:00PM

Pupin Hall, Columbia University

Energy is an abstract concept not directly tied to any observable, yet this quantity is the basis of all the physical sciences and of life itself. Why is it so important? How do we even define it? Join me as we follow a small chunk of energy as it moves from stars to the Earth to humans, constantly shapeshifting but never losing its intensity. We will see how energy is responsible for nearly all action in the Universe including how humans think, how plants grow, and how stars shine.

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>