

# JOINT TUFTS/MIT COSMOLOGY SEMINAR

---

## *Cosmology of a Fine-Tuned SUSY Higgs*

**Matt Reece**  
Harvard

I will discuss some work in progress that explores whether a mildly fine-tuned Higgs boson, as in (mini-)split supersymmetry, can have interesting or observable cosmological consequences. As moduli fields oscillate, the Higgs can respond and perhaps acquire very large values along a D-flat direction. Possible consequences involve a burst of gravitational wave production and an altered estimate of the number of e-folds of inflation.

**Tuesday, November 28, 2017, 2:30 pm**  
**574 Boston Ave, Room 316**  
**Tufts University**

Refreshments at 2:00 outside room 304