



## Department of Physics Colloquium

Friday, November 19, 2010 • 4:00 P.M. • 2241 Chamberlin Hall

cookies & coffee served at 3:30 p.m

# Weighing Neutrinos



**Joseph  
Formaggio**

MIT

Host: Westerhoff

Neutrino oscillation experiments performed throughout the latter half of the twentieth century have yielded valuable information on the nature of neutrino masses and mixings. The evidence gathered has provided the first positive evidence for physics beyond the standard model. As the next century begins, a new suite of precision experiments will come online to provide greater insight into the physics and significance of neutrino mass. This talk will review our current state of knowledge on neutrino masses, and how new experiments will complement that knowledge in years to come.