

Massachusetts Institute of Technology
Department of Physics

CONDENSED MATTER THEORY SEMINAR

**“Metal-Insulator Transitions:
Cd₂Os₂O₇ and the Iridates”**

Rebecca Flint
MIT

Abstract: The intersection of strong spin-orbit coupling and strong interactions in iridate materials has attracted a lot of recent interest. One hotly debated question is the nature of the metal-insulator transition in the different iridate families – is it a Slater or Mott transition? Is it possible to have a second-order Mott transition? In this journal-club style talk, I will review the different types of metal-insulator transitions and their relevance in the iridates and the related Cd₂Os₂O₇.

3:30pm
Wednesday, June 5, 2013
(Duboc Seminar Room)
Room 4-331