

***The 19th Particles and Nuclei International Conference (PANIC11)***

**Sunday 24 July 2011**

**Pedagogical Lectures for Students – Kresge Auditorium (09:00-10:30)**

9:00 *Big Questions in Particle Physics – An Overview* Jesse THALER (MIT)

9:30 *Tools of Particle Physics I – Accelerators* Bill GRAVES (MIT)

10:00 *Tools of Particle Physics II – Particle Detectors* Steve AHLEN (Boston Univ.)

10:30 **Break**

11:00 *Searching for the Higgs Boson* Steve NAHN (MIT)

11:30 *Searching for New Particles* Joao GUIMARAES DA COSTA (Harvard Univ.)

12:00 *Puzzles in Neutrinos* Noah OBLATH (MIT)

12:30 **Lunch**

13:45 *What is the Proton Made Of?* Krishna KUMAR (UMass Amherst)

14:15 *Recreating the Early Universe - the Quark Gluon Plasma* Wit BUSZA (MIT)

14:45 *The Accelerating Universe: Dark Matter and Dark Energy* Kim PALLADINO (MIT)

15:15 **Questions and Answers**

**Welcome Reception- Kresge Oval Tent(16:00-19:00)**