

**LABORATORI NAZIONALI DEL GRAN SASSO**

**SEMINAR ANNOUNCEMENT**

On June 15, 2007 at 12:15 AM, B. Fleming from Yale University,  
USA will give a seminar entitled:

**“Latest results from MiniBoone  
Experiment”**

Abstract:

**The MiniBooNE neutrino oscillation experiment at Fermilab, approved in 1998 and running since 2001, seeks to confirm or refute the LSND neutrino oscillation signal. The LSND experiment observed electron anti-neutrino appearance in a muon anti-neutrino beam. Taken with other evidence for neutrino oscillations, the LSND measurement suggests the existence of physics beyond the standard model in the neutrino sector. MiniBooNE has performed two independent and blind oscillation searches for electron neutrino appearance in a muon neutrino beam. In both, analysis selections and fitting procedures were determined before candidate electron neutrino events were examined. MiniBooNE's results for the oscillation search will be presented.**

**(“E. Majorana” room)**