**NUCLEAR PHYSICS SEMINAR**

Department of Physics

**The Roper Resonance: Ignoramus Ignorabimus?**

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**Abstract**

Compared to the rather detailed knowledge of the nature of the Delta resonance, the first excitation of the nucleon with equal quantum numbers, the Roper resonance, remains  
an enigmatic object even 50 years after its discovery. Numerous phenomenological models in the past have approached this hadronic structure in a seemingly incoherent manner; new experiments and lattice calculations, however, have finally started to deliver more unambiguous, model-independent solutions to this seemingly perennial puzzle.  A non-exhaustive review  
of this evolution will be given.

**Wednesday, December 2, 2015, 3:00 pm**

**SERC, Room 110A**

**Coffee will be served at 2:45 pm**