

## Low energy nuclear physics research at LLNL

**Dr. Jason Burke**  
Lawrence Livermore National Laboratory

**Tuesday**

**February 3**

**4 P.M.**

**Rm 124 NSH**

The low energy nuclear physics program at LLNL consists of a myriad of accelerator based and table top experiments. Studies include nuclear structure, neutron induced cross section measurements, determination of cross sections using the surrogate reaction technique, nuclear-atomic plasma induced interactions and beta decay studies. In this seminar, I will provide an overview of our low energy nuclear physics research program at LLNL. These include efforts at the Texas A&M Cyclotron Institute, Argonne National Laboratory, Lawrence Berkeley National Laboratory and Los Alamos National Laboratory. The Hyperion, Hydra and NeutronSTAR detector systems will also be discussed in detail.

Refreshments  
served prior to  
the seminar in  
Rm 124.