



Contribution ID: 89

Type: **Oral**

An Ultra-cold Neutron User Facility at Los Alamos National Lab

Monday, 11 October 2010 16:30 (15 minutes)

An ultra-cold neutron source has been constructed and is now operating at Los Alamos National Lab. This source, which is based on a solid deuterium converter driven by pulsed spallation-produced neutrons, provides UCN densities of 30 UCN/cc with negligible source-related backgrounds. The source is able to simultaneously provide UCNs to two experiment locations; the first is now occupied by the UCNA experiment, but the second is available to user experiments. Our plans for continuing the operation of the source as a user facility, and the first planned experiments for both the UCNA apparatus and the second experiment station, will be described.

Primary author: SAUNDERS, Alexander (Los Alamos National Lab)

Presenter: SAUNDERS, Alexander (Los Alamos National Lab)

Session Classification: Session Mo - 4

Track Classification: Advanced ultracold neutron sources