



“SLAC in the LHC Era – Ambitions from the SLUO Community”

SLUO LHC Workshop – SLAC July 16&17

On July 16 and 17, SLUO is convening a Workshop to estimate how SLAC National Accelerator Laboratory, with significant user support infrastructure and historical know-how, can facilitate the physics ambitions of its user community at the LHC. The Workshop is expected to trigger a renewed vision of the SLAC-LHC user community, including an increased role of the Lab.

The Executive Summary on “Planning for the SLAC ATLAS Program”, the so-called SLAC ATLAS White Paper, provides a detailed plan for the further development of the SLAC ATLAS program as a key element of SLAC’s future particle physics effort. A central aspect of this plan is that SLAC will collaborate with universities and other laboratories, both those in the West Coast region and those with intellectual and historical ties to its program.

The aim of the SLUO Workshop is to evaluate and understand the expectations of the SLAC user community at large, covering a broad spectrum, including local US universities, non-US institutions, other large international laboratories in search of reliable and strong partnerships. In return, the Workshop will be an opportunity to assess the resources that SLAC can bring into projects that will advance the LHC physics and accelerator programs. It also will help to find the balance between the intensity of ATLAS/LHC activities on site and the infrastructure needed to support users.

The meeting will include presentations and discussion on current and future SLAC projects connected to all facets of the LHC adventure:

- Near-Term ATLAS Physics Analysis;
- LHC Theory;
- LHC Simulation: Development of GEANT4 and other Simulation Tools;
- Detector Commissioning and Operations: Towards an ATLAS Remote Monitoring Center;
- LHC Upgrade & Detector R&D;
- Super-LHC & Accelerator R&D: SLAC’s Role in LARP;
- LHC Computing.