

Intensity Frontier Common Beams Data Initiative

Working Group Announcement

Overview of Working Group

- At the last NuComp:
 - Identified that there is need for NuMI Beam Data for multiple (current) experiments:
 - MINOS
 - Minerva
 - NOvA
 - MiniBooNE
 - Currently this information is provide through the MINOS beam data system
 - This system has historically been supported by: Brett Viren (BNL)
 - Brett needs to wind down his support for the current MINOS system and hand off the current system to Minerva or others

Current System Design

- The MINOS Beam Data Process software consists of both online and offline components
 - System was designed to meet the specific requirements of MINOS
 - Some of these are tightly coupled to the MINOS experiment and MINOS offline
 - Other components are more generic but tied to older software packages and systems
 - Cutting edge at the time, but becoming dated

Initiative for Common Beams Data

- There is a need to reexamine the need of each experiment with respect to acquisition of accelerator/beam data for Intensity Frontier Experiments.
- We are forming a working group to identify these needs and draft an appropriate requirements document
- Ultimate goal is to produce a common system for extracting accelerator information that is experiment agnostic

Working Group

- A working group is in the process of being finalized
- Current representatives from current and future experiments are:
 - MINOS: Brett Viren, R. Hatcher, A. Kreymer
 - NOvA: Patricia Vahle, Andrew Norman
 - MicroBooNE: Glenn Smith
 - Mu2e: Rob Kutschke
 - LBNE: Brett Viren and Alysia Marino
 - Minerva: Howard Budd, Gabe Perdue and Debbie Harris
 - AD: Tom Kobilarchik

Working Group

- If your experiment is not represented or you have additional individuals who should be included:
 - Contact:
 - Lee Lueking lueking@fnal.gov
 - Andrew Norman anorman@fnal.gov
- Email scheduling the first meeting will go out after today's NuComp (really tomorrow morning)
- Expect the first working group meeting early next week

Direction and Focus

- Goal is to produce a comprehensive requirements document by mid March (at the latest) that defines the scope of the issue.
- Development and deployment of common tools (e.g common beam data servers) and APIs will be addressed separately after the requirements finalized.
- Expectation is that this initiative will be used as the starting point to produce a common tools package in the NuSoft repositories and be available to all the experiments