Fresno Workshop Roundup

- **"All trigger – all the time!"**
  - **11 trigger-related parallel sessions**
  - **3 plenary talks with strong trigger component**

- **Main emphases on:**
  - **data, simulation**
  - **commissioning**
  - **personnel**
  - **hardware was broadly seen as On Track Congratulations !**

(relatively) New Trigger Boards

1. **Standing Committee on Installation & Physics Commissioning (SC-IPC)**
   - **L1Cal: Johns, Barberis, Buescher, Hirosky**
   - **Assume that the hardware is ready & working on time…**
   - **Consider the following:**
     - **Installation and technical commissioning of the hardware**
     - **Calibration databases, both online and offline**
     - **Updates to data unpacking & formatting**
     - **Updates to clustering and track finding**
     - **Development of Monte Carlo and TRIGSIM**
   - **We have asked the Task Force to come up with a plan that includes a breakdown and timelines for each of the major efforts, the resources required (including manpower type – physicist, engineer, technician, etc.), and the sequence in which the various pieces need to be developed. Given the complexity of this set of processes, we have assembled a broad group of experts to develop this plan. The Task Force therefore includes personnel from the upgrade project, as well as those more closely affiliated with areas beyond the upgrade and hardware efforts.**

More Trigger Boards

2. Trigger Steering Committee (TSC)

- Members: Johnson, Lipton, Gruenendahl, Hirosky, Turcot, Rapidis, Wood

- Facilitate, help establish priorities for, and oversee the implementation of near-term improvements to the existing trigger systems
- Develop a scheme for exploiting the in situ functionality of the Run IIb upgrade trigger components, helping to ensure their seamless introduction. Issues may well be elucidated here that will provide useful feedback to the Run IIb designs or commissioning techniques and plans.

- **Both of these boards a very Important!**
  - they will recommend how (and if) the system is to be installed/commissioned
  - we need to interact with them regularly

Simulation

- **Need to show (again) the Collab. that Run IIb L1Cal gives real improvements**
  - **installation/commissioning plan**
  - **L2 algorithms**
  - **quantify expected gains wrt current system**
    - **global view is crucial here**
- **Simulation will play a key role here**
  - **new MC data samples now available**
  - **www-d0.fnal.gov/~barberis/MC_for_Run2b_Trigger.html**
  - **need to invest effort here**
- **Rate Calculation Tool**
  - **see talk by P.Jonson in trigsim meeting**
  - **use data as input**
  - **we need to get our algorithms integrated with this**

Director's Review of Run IIb

- **Dates: July 15–16** **Details from Vivian…**

- **What the review isn't**
  - **Not a detailed technical review**
    - **We are not going to redesign boards**
  - **Not a detailed bottoms-up cost estimate**
    - **We've done the basis of estimate**
  - **Not a warmup for a Lehman review**

- **What the review is**
  - **Giving the lab an idea of additional resources we will need**
    - **Especially for installation and commissioning**

- **What we need to provide**
  - **spending estimates: hardware and personnel**
  - **clear statement on likelihood that we will meet July 05 installation**