

Trigger system commissioning and calibration - 1

- The deployment of the first developing trigger based on only the BNB gate opening in step 1 for the EAST cryostat started before Christmas is now taking place.
- Initial technical runs of ~2000 events have been collected to test with the EAST module the correctness of the beam extraction signal recognition, gate opening and setting of required time delay for read-out both TPC and PMTs signals by DAQ.
- The proper decoding of the extraction time from early warning signal for 1.6 μs gate opening have been checked.
- Trigger hardware related activities are taking place at in Padova and Pavia, and Fermilab, for both the trigger board programming and system deployment:
A. Guglielmi, G. Meng, G. Raselli, M. Rossella, A. Fava, J. Zettlemoyer, D. Torretta.
- It has to be intended as a common effort shared inside the Trigger WG which require the analysis of the collected data in order to provide feedback and indication to proceed in the trigger preparation and commissioning.
- All results/info have to be shared/agreed within the Trigger WG first and then with ICARUS management/collaboration in view of a proper ICARUS communication by the Spokesperson.

Trigger system commissioning and calibration - 2

- According to available people inside the Trigger WG, two groups have been set to analyze the data that are being collected:
 - Experts of DAQ and TPC, PMT signals reconstruction to study event features i.e. PMT/TPC matching and prepare some data filtering:
D. Gibin (convener), A. Chatterjee, A. Scarpelli, R. Howell, A. Menegolli, G. Petrillo, M. Babicz, J. Zettlemoyer, M. Diwan, W. Ketchum, ...
 - Event scanning group aiming to identify/study some neutrino interactions, coordinated by C. Farnese:
 - ✓ Europe: Genova + Bologna + MiB + Pavia
L. Di Noto, D. Casazza, A. Falcone, A. Menegolli, L. Pasqualini, F. Poppi, M. Torti, M. Vicenzi.
 - ✓ FNAL: *B. Howard, M. Betancourt, ...*
 - ✓ Universities: Cinvestav + CSU + Pittsburg
O. G. Miranda, G. Moreno, A. Castro, B. Wilson, B. Beehera, J. Berger, J. Dyer, A. Heggstuen, V. Paolone, R. Logan, N. Suarez
- The reporting to the Trigger WG meetings will allow to share/discuss together results and issues, in order to decide the next steps.