

Visio/phone meeting 2009 for GET
10th Feb 2009, 14:00-16:00 (French-time)

Minutes

Present : W. Mittig, A. Bickley, N. Usher, P. Baron, F. Druillole, R. Raabe, B. Raine, R. E. Pollacco, T. Murakami, R. Lemmon, J. Pibernat, JL Pedroza,

1 Software manpower :

It is important that a software engineer from MSU participates at the GET meetings.

2 Frontier between GET firmware and DAQ systems:

Have a look at the wiki : image "GET SYSTEM" (F. Druillole)

Discussion about the method to send the data flow from CoBo to InBo or a switcher.

Suggestion to use a flip-flop memory system (CoBo) to deal with the data from Cobo and to deal with the data transmission from CoBo to InBo or switcher. (Jean-Louis)

Need for a better view of data to be processed at the detectors output. Simulations should enable to optimize both the AsAds spatial repartition according to detectors geometries, and the data concentration rate required in CoBo

INBO can be likened to a switch that receives data from Cobo (10 maximum) and send it to the PC for storage.

Question about the throughput at the Inbo level :

- Switch TCP/IP \approx 500 Mb/s \rightarrow industrial solution , less manpower
- Optical link and "home solution" \approx 6 Gbit (hardware) \rightarrow more work and system not as scalable as with a switch

3 Engineer from MSU :

MSU offers a stay in France for an engineer (3 months per year during 5 years). Host lab will be Saclay, with possibility to go to CENBG, GANIL...different persons

4 skeleton of the next workshop, Caen March 10-13, 2009

- a. Physic, extension to Astro ϕ
- b. Remind of the GET specification
- c. Triggers
- d. Calibration
- e. Simulation
- f. TPCs: GEM versus μ MEGAS
- g. Protection circuitry
- h. Engineers jobs
- i. Fundings, what's new
- j. Expert point of view
- k. ...

Next visio/phone meeting Feb 24th . Please look at http://groups.nsl.msu.edu/tpc/wiki/doku.php?id=periodic_meetings for the connection parameters **and write the topics you want in the agenda.**