

Presents : D. Bazzacco, N. Dosme, X. Grave, L. Guevara, J.Gebosz, A. Korichi, E. Legay, S. Pietri, H. Schaffner, O. Stezowski, Ch. Theisen

Apologies for absence : none

The agenda :

- 1-Status of the DAQ at LNL
- 2-Discussion and clarification on the "corrupted" missing data flow collection at the Merger and/or Event Builder
- 3-Status of the GEC at LNL

1.Status of the DAQ at LNL

The discussion started **on the “corrupted” data** that has been reported from A. Gadea. A detailed description was given by D. Bazzacco as follow :

Despite the fact that we do not have a real statistics and enough samples for comparison, it appears that when the validation rate is below 50 Hz and the rate is about 1 kHz on the ancillary side, the size of the output file as written online by the tracking is smaller than the one produced offline from raw data.

Examples and numbers were given for experiments which were run at :

- 300 Hz on Ge and 2kHz from VME for which a loss of 20% was observed online data
- 30 Hz on Ge and 500 Hz on ancillary for which a loss of more than 50% was observed

When the rate was lower a loss of a factor 10 was observed

As a matter of fact when we replay the data, we get more statistics which is not fully understood.

Xavier Grave pointed out 2 possible scenarii : the corruption can either come from the merger or the builder and he will investigate on that.

Indeed, the event builder is based on the timestamp and somehow when data arrive with an old timestamp (out of the time) this is not injected by the producer In the Narval subsystems and one has to think about new event builder policy. However, this is a difficult problem to solve when the electronics does not produce the buffers to Narval there nothing to do.

A possible solution could come from the implementation of new Narval version

Action on X. Grave

Others problems have been reported by Dino :

- 1- A strange behaviour occurs from time to time where **the user library crashes** and system continue running

Xavier Grave explained that in this case, the state of the system should be reflected and seen in the Cracow interface in which we can see that from time to time an actor does not pass the information and the crash is very bad than the actor dies.

2- The **Stop-call process behaviour** is difficult to manage as it is now. When the order arrives, the network is stopped which corresponds to the correct way of managing the actors (producers) except that is also applied for the consumers and filters which should not be.

A modification of the IP is suggested by Dino.

Action on Orsay?

3- Another problem has been reported when writing the **root trees** and again it was suggested to simplify the actors.

Action on Xavier

Other minors items have been reported :

Previous requests from Legnaro (Dino)

1- Fortran compiler for which the action was on Y. Aubert. The tools and people are ready for that but this is now off list as the programs will be re-written in C and C++

2- A local KVM access was requested for the status of the machines remotely
The KVM access is already possible from the visu machines and

2.Status the GEC And the system running

Despite the reported problem (above), the orsay group, have been working on the GEC and it is running well with 4 TC and the GUI needs minor modification.

If one goes to 5TC as it is now, one needs to modify the xml file which must has been modified by Damiano since it is working with the new topology manager.

A new Cracow GUI has been implemented and it displays correctly the actor's graph (as can be seen in the picture sent by J. Grebosz)

