

Pass8 Tagup July 1 2010 - Notes

Unedited notes taken during the meeting

Tracy: several improvements in infrastructure

EvtDisplay: able to run wired on linux and windows and watch evts go by

SCons Leon

G4: Johann able to make a Linux build yesterday; there is a glitch from a mix scons and cmt, work in progress

Gaudi/Scons: Joanne building test programs on linux; issues with windows, now joanne went on vacation, confident issues will be solved then she is back

Two projects that we discussed and are kind of orphan:

Merit cleanup/rework: we had plans for a group, it needs to be addressed

Bring BTRelease up to speed: not sure what is the status there

core week coming along in some time, good chance to have everybody close here and fix infrastructure issues

Leon on Merit into Wired

started from std distribution with the idea to make wired a development tool

slide 3 is from Vanilla calibs pencil muon evts; wired needs something to click on to access qanities! so I added the red boxes on top of the ED (slide 4), and it works (slide 5/6)

BA: to what extent is Tony J involved, as the father of WIRED?

LSR: some interface issues might fall into Gleam, e.g. typing an evt number and go to it - at the moment WIRED is not setup to do this on the server side

BA: thanks for taking this on

Luca on clustering

BA: comparing the gamma cluster between slides 15 and 16 I see different clusters in shape and energy, what is going on?

LB: there are marginal differences between the black cluster in 15 and the blue in 16, these differences normally happen

Carmelo Sgro' notice that in slide 16 the good cluster is the second one

Tracy: yes, this normally happens some xtal get energy from the overlaid event and the resulting energy differ a bit

LB: notice slide 25-26 when the overlay adds a similar garbage cluster to the good one, maybe the moment analysis will help us identifying the good one

29-30: all these are random screenshots, and these two are the single evt I found where the alg fails miserably, most likely for a threshold effect

Slides > 32 are events below the line at 1 from the top-right plot in 32; also moment analysis is plugged in for evts shown after slide 33, so e.g. in 33 you

see that the good event is the blue one, even if the highest energy is in the bad cluster

35-36: interesting to see how a single MIP screw up recon, but it is actually easy to guess that the good one is the second one (blue)

BA: we will need to decide how to proceed with multiple clusterings, might supply more than one to recon. It would be interesting to put together topological vars from your MST plus those from the moment analysis and build a CT out of those