Subject: Re: TPC digitization blocks everything for too many cluster events
Posted by Malgorzata Gumberidze on Mon, 07 Jun 2010 14:05:45 GMT

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I have the same problem as Stefano.

I'm using pandaroot revision 8473 for my simulation.
What i do is to simulate with pgun electrons with the
momenta 0-5GeV/c. I'm running 10k events. Simulations get block
at the event 1201, and it take a lot of time, till it pass
problematic event. I'm already waiting 20 minutes.

this is a last print out which i get:

***************** PndEmcMakeBump, event: 1201 **************
 Digi at (66, 68) was a local max. Energy = 1.46065
EMC header: fired crystals= 26, digi= 15, Total energy= 1.66663 [GeV],
Reconstructed clusters= 3, Total energy in clusters= 1.65603 [GeV]
-I- PndTofHitProducerIdeal: 2 TofPoints, 2 Hits created.
-I- PndTofHitProducerIdeal: 0 SciFTofPoints, 0 sciF Hits created.
PndTpcClusterizer:: 26737 clusters created
51323 electrons arriving at readout
Aggregating drifted electrons into avalanches finished.
51323 Avalanches created
0 aggregations done.
103810 Signals created
PndTpcElectronicsTask::Exec
Building up padmap ...finished. 397 pads hit

Few months ago i was doing the same kind of simulations with the older version of the
revision, and i didn't have this kind of problem.

gosia