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Subject: Re: TpcRiemannTrackingTask - ideal PID now working - please rerun reconstruction

Posted by [Lia Lavezzi](#) on Tue, 02 Aug 2011 10:32:33 GMT

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Hi Elisa and Felix,

Quote: this looks to me like a crash in the FairGeanePro extrapolation inside pid/GetTrackInfo.cxx. Is this another random floating point exception from Geane? Can you verify that, Stefano?

I don't think it is GEANE, from the backtrace it seems that the crash happens in the neutral candidate creation:

Quote: 0x06136b40 in PndPidCandidate::PndPidCandidate(PndPidCandidate const&) at /home/fioravanti/fairsoft/pandaroot/pid/PidData/PndPidCandidate.h:31 from /home/fioravanti/fairsoft/buildPanda/lib/libPid.so  
0x0612bfd2 in PndPidCorrelator::AddNeutralCandidate(PndPidCandidate\*) at /home/fioravanti/fairsoft/pandaroot/pid/PidCorr/PndPidCorrelator.cxx:119 7 from /home/fioravanti/fairsoft/buildPanda/lib/libPid.so  
0x061300a0 in PndPidCorrelator::ConstructNeutralCandidate() at /home/fioravanti/fairsoft/pandaroot/pid/PidCorr/PndPidCorrelator.cxx:663 from /home/fioravanti/fairsoft/buildPanda/lib/libPid.so

so if you run the pid correlator with SetEmcMode(0) it should skip this part and the crash should not happen anymore (I hope).

Cheers,  
Lia.

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