Subject: [FIXED] Possible bug in PndEmcClusterMoments.cxx
Posted by Dariusch Deermann on Tue, 05 Aug 2014 08:59:41 GMT
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I tried installing Pandaroot with the newest external packages and received an error in
PndEmcClusterMoments.cxx at line 340.
I was told to use the external packages from apr13 and now its compiling without any error or
warning regarding this line, but when looking into it it really seems not correct:

aVector += displacement * displacement * digi->GetEnergy();

Here we have a TVector3 += TVector3^2 (=scalar) * scalar. So basically TVector3 += scalar,
which doesn't make sense to me.
Since Pandaroot is now compiling without an error or warning for this, i'm not sure whether this
is relevant, but it looks strange to me.

Subject: Re: Possible bug in PndEmcClusterMoments.cxx
Posted by Tobias Stockmanns on Tue, 05 Aug 2014 09:08:26 GMT
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Dear Dariusch,

I agree with your comment that this line looks very strange.
In newer Root versions this line of code causes an error because the constructor of TVector3
has changed. In the older versions (of apr13) one could still initialize a TVector3 with just one
scalar. In the newer versions this if forbidden and you need three scalars.

Cheers,

Tobias

Subject: Re: Possible bug in PndEmcClusterMoments.cxx
Posted by StefanoSpataro on Wed, 10 Sep 2014 09:59:53 GMT
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This was fixed in the trunk.