Subject: Lhetrack is now "old stuff" ?
Posted by Ronald Kunne on Fri, 12 Feb 2010 13:25:52 GMT
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I saw here
  https://subversion.gsi.de/trac/fairroot/browser/pandaroot/trunk/tutorial s
that the pandaroot/trunk/tutorials/lhetrack directory is now considered "old stuff"

As I am using these series of routines to study pbar p -> e+ e- and pbar p -> pi+ pi- I wonder
what is now the official equivalent to do tracking, helix and Kalman fitting?

I have found pandaroot/trunk/macro/tpc Is this what I am supposed to use?

To be honest, what I am currently using is still version 7367, dating from november 2009.

Subject: Re: Lhetrack is now "old stuff" ?
Posted by StefanoSpataro on Fri, 12 Feb 2010 14:09:49 GMT
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The "tutorial" is old and not maintened anymore, lhetrack is still valid.
If you want to use it (i.e. track finding, helix fit + kalman), you can use the macros in macro/pid,
before the new tutorial will be ready.
Meanwhile the code had a lot of changes, I would strongly suggest to move to jan10 external
packages and to the latest pandaroot trunk.

Subject: Re: Lhetrack is now "old stuff" ?
Posted by Jens Sören Lange   on Fri, 12 Feb 2010 15:40:19 GMT
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Hi Ronald,
Stefano is right.
The macros in trunk/macro/pid work and are using lhetrack for track finding and track fitting.
Even more, they are using the kalman filter for track fitting.
The macros in trunk/tutorials/charmonium also work now, but basically are just copied from
macro/pid (with minor changes).
In addition, in tutorials/charmonium you find run_pid_tpccombi.C for filling the rho
microcandidates and run_ana_tpccombi.C for showing how to loop over microcandidates and
plot invariant mass (and both macros also for sttcombi).
Note: the macros in macro/run also work and show how to do many things (so they are nice for
learning) but they are not filling rho microcandidates which you need for analysis (kinematic fit
etc.)
cheers, Soeren