Subject: Re: GEANE and GENFIT
Posted by Lia Lavezzi on Tue, 08 Apr 2008 15:51:51 GMT
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Hi Sebastian,
Susanna and I tested the new runDemo.C (with the updated genfit, recotask, trackrep...).
We attach the plot that we obtain with LSLTrackRep and with GeaneTrackRep: actually we don' t see the strange behaviour you obtain.
Concerning the theta variable, in the function getMom of GeaneTrackRep, the order of the momentum components must be changed from TVector3 result(pu,pv,pw) to TVector3 result(pv,pw,pu); in fact the pv and pw components lie on the plane and pu is orthogonal to it ...and here the problem you addressed about the two different definitions of plane in CbmTrackParP and DetPlane appears! Mmmm, ok, I have to admit that we have to be very careful when calculating the components in the plane reference frame!!

Ciao,
Lia and Susanna.

File Attachments

1) geane.pdf, downloaded 580 times
2) lsl.pdf, downloaded 550 times