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 510 times
2) lsl.pdf, downloaded 473 times