Subject: Re: vertex fitting
Posted by Alexandros on Wed, 10 Sep 2014 09:38:32 GMT
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Hi again,
I have one more question..
I am trying to calculate ctau for D0 meson in my analysis(123micrometers)
From the mc the calculation is correct(125micrometers).
From the vertex information I get 185micrometers..
I have looked several times my code and I could not find a single mistake..
Is there a chance, since we are talking about micrometers that the resolution is not good or there is something else wrong??
I attach my code and my results to get an idea..
Thanks!!

File Attachments

1) Analysis.C, downloaded 570 times
2) Draw.C, downloaded 532 times
3) distance_from_IP.pdf, downloaded 572 times
4) betaVSenergy.pdf, downloaded 524 times
5) ctau_and_beta*gamma_mc.pdf, downloaded 526 times
6) ctau_and_beta*gamma_data.pdf, downloaded 534 times