
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 481 times
 - 2) [Draw.C](#), downloaded 470 times
 - 3) [distance_from_IP.pdf](#), downloaded 508 times
 - 4) [betaVSenergy.pdf](#), downloaded 449 times
 - 5) [ctau_and_beta*gamma_mc.pdf](#), downloaded 463 times
 - 6) [ctau_and_beta*gamma_data.pdf](#), downloaded 465 times
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