Subject: Regarding Some Problem in TProfile
Posted by Shyam Kumar on Thu, 20 Nov 2014 13:48:13 GMT
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Dear All,

I am facing a problem in the use of TProfile I have plotted radiation length map by using TH2D and TProfile in TH2D X/X_0 vs theta is going up to 1.5% of X_0 but in TProfile It is going up to 0.7% of X_0 however macro used is same. Is there some problem with TProfile? Plots are attached.

Thank You
Shyam

File Attachments
1) Radlenhist.pdf, downloaded 536 times
2) Radlensim_tprofile.pdf, downloaded 528 times

Subject: Re: Regarding Some Problem in TProfile
Posted by StefanoSpataro on Thu, 20 Nov 2014 14:41:41 GMT
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Can you please axplain better your problem? From your sentence and your plot I was not able to understand what you did.

Subject: Re: Regarding Some Problem in TProfile
Posted by Shyam Kumar on Thu, 20 Nov 2014 14:50:17 GMT
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Thanks for reply, I have plotted the radiation length map by using the same code in one case I have used TH2D for filling and drawing the (x/x0 vs theta and x/x0 vs phi) in other case I have used TProfile for filling and drawing (x/x0 vs theta and x/x0 vs phi). I have used the same code in both case but plots are looking very different why?
https://subversion.gsi.de/trac/fairroot/browser/pandaroot/development/shyam/PANDAROOT-Source%40pandaroot/macro/run/materialbudgetlambdas.C

Subject: Re: Regarding Some Problem in TProfile
Posted by StefanoSpataro on Thu, 20 Nov 2014 14:58:10 GMT
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Never used profile in such a way, I cannot help.

Subject: Re: Regarding Some Problem in TProfile
Posted by Shyam Kumar on Thu, 20 Nov 2014 15:05:11 GMT

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Can you tell me the way you have used then I will change the way of used TProfile in macro.

Thank You

Subject: Re: Regarding Some Problem in TProfile
Posted by StefanoSpataro on Thu, 20 Nov 2014 20:48:17 GMT
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Taking a TH2 histogram and doing->ProfileX(...), not filling a TProfile. I have no idea what that code is doing.

Subject: Re: Regarding Some Problem in TProfile
Posted by Shyam Kumar on Fri, 21 Nov 2014 03:25:49 GMT
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Thank you for reply, I will use profile this way.

Subject: Re: Regarding Some Problem in TProfile
Posted by Shyam Kumar on Sat, 22 Nov 2014 10:12:01 GMT
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Hi,
The Problem is solved, Since TH2D and TProfile are the two different approaches, In TH2D entries are filled like (x,y) but Tprofile It shows the values mean value of Y for each bin interms of entries so we can not compare them. I have written a test macro (attached) to check it.

Thank You
Shyam

File Attachments
1) test.C, downloaded 468 times