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 433 times
2) Radlensim_tprofile.pdf, downloaded 423 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/sh
yam/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

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

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

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

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

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File Attachments
```
1) test.C, downloaded 384 times