

---

Subject: Regarding Some Problem in TProfile

Posted by [Shyam Kumar](#) on Thu, 20 Nov 2014 13:48:13 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

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 438 times
  - 2) [Radlensim\\_tprofile.pdf](#), downloaded 431 times
- 

---

Subject: Re: Regarding Some Problem in TProfile

Posted by [StefanoSpataro](#) on Thu, 20 Nov 2014 14:41:41 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Can you please explain 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

[View Forum Message](#) <> [Reply to Message](#)

---

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 ( $x/x_0$  vs theta and  $x/x_0$  vs phi) in other case I have used TProfile for filling and drawing ( $x/x_0$  vs theta and  $x/x_0$  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

[View Forum Message](#) <> [Reply to Message](#)

---

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

[View Forum Message](#) <> [Reply to Message](#)

---

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 [Stefano Spataro](#) on Thu, 20 Nov 2014 20:48:17 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

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  
[View Forum Message](#) <> [Reply to Message](#)

---

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  
[View Forum Message](#) <> [Reply to Message](#)

---

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 398 times

---