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Subject: Test of muon momentum resolution with Jan14 release

Posted by [binsong](#) on Wed, 12 Feb 2014 16:54:22 GMT

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Dear all,

I have checked the momentum resolution of muon for two angles with the new release ( $p = 1\text{GeV}/c$ ,  $\theta = 15\text{deg}$  and  $\theta = 60\text{deg}$ ).

the result at Barrel region is normal,  $\Delta p/p = 1.56\%$ , comparable to the result from TDR.

But, for the Forward region, I found  $\Delta p/p = 2.1\%$ , very different from the TDR result which is about 1.5%.

Then, I also checked them with the apr13 release, both of them seem correct.

Has anyone some idea, why the momentum resolution in forward between apr13 and jan14 changes a lot?

Binsong

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