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Subject: momentum vs beta for barrel TOF

Posted by [Kamal Dutta](#) on Tue, 25 Aug 2015 11:39:14 GMT

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Dear All,

For the DPM MC events, I want to have a scatter plot between momentum and  $\beta(v/c)$  of all particles in barrel TOF. So far, what I understand is that, the momentum can be obtained from STT detector (from the curvature of the particle) and the beta in barrel TOF can be calculated from  $dE/dx$  (energy loss). However, in both digitization and reconstruction output, there is no momentum information from STT part. Can someone please provide me some information regarding this ?

regards

Kamal Dutta

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Subject: Re: momentum vs beta for barrel TOF

Posted by [Stefano Spataro](#) on Tue, 25 Aug 2015 13:28:06 GMT

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After the pid macro you will find the charged candidate , storing momentum and beta.

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