
Subject: Re: Forward spectrometer tracking
Posted by [donghee](#) on Tue, 02 Jun 2009 13:43:16 GMT
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Dear Christian,

That is surely great idea!

I would be really happy, if I can join this subject and if there are no other argument. I will try to give some small contribution for the forward spectrometer tracking.

I would like to discuss dch and gem standalone tracking.

If I look and run dch tracking macro, i have very reasonable spectra. you can also find dch_mom.eps _theta.eps _resolution.eps and xyview.eps, that are defined by dch tracking.

Blue one is reconstructed from dch tracking, red for generated one in one dimension plot. x and y units in 2D plot are [m] meter.

But if I have tested gem alone, the result is changing dramatically. I have a look all hits information, which is prepared in GEM macro, most of hits are dedicated near the 0.5cm radius in 4 station GEM, however identified tracking in GEM are located far way at roughly 50cm. As well as reconstruction efficiency are quite bad. Roughly 20% events are only reconstructed in GEM stations. I think that GEM has some problem in the tracking.

Could you confirm this?

Best wishes,
Donghee Kang from Mainz

File Attachments

- 1) [dch_mom.eps](#), downloaded 425 times
 - 2) [dch_theta.eps](#), downloaded 426 times
 - 3) [dch_resolution.eps](#), downloaded 453 times
 - 4) [dch_xyview.eps](#), downloaded 446 times
 - 5) [gem_xyview.eps](#), downloaded 447 times
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