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 reconstruced 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 reconstruced 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 423 times
2) dch_theta.eps, downloaded 424 times
3) dch_resolution.eps, downloaded 450 times
4) dch_xyview.eps, downloaded 443 times
5) gem_xyview.eps, downloaded 443 times