Subject: Re: Vertex fitter(s) and B field setting in pandaroot release.
Posted by Elisabetta Prencipe (2) on Mon, 09 Feb 2015 09:43:23 GMT

Hello Stefano and Ralf,

 thank you for your detailed information.

Of course, I think that the correct feature is to use the full B field map, and not to force it to 2 T (constant B field).
Actually this was not my idea: that line was in the tutorial analysis macro of some older trunk revisions, and I inherited in my analysis macro, when doing the upgrade of my trunk revision.
I discovered that in the most recent releases/trunk revisions, the line forcing the B field to be constant, is not any further (fortunately!). I used last summer for my simulations (rev 25375, if I am not mistaken), just because it was in the default setting. For some reasons, if now I comment it out, the vertex fitter(s) get crazy, in particular the 4C fitter. So, I assume that some more settings were changed, since last summer.

I'll try to run my analysis macro as in /macro/run/ana_complete.C (release oct14), and modify it according to my analysis, again. Then, if any trouble, I'll come back to this forum.

Thank you again, Elisabetta