Subject: Re: Study of tracking efficiency and resolution Posted by StefanoSpataro on Fri, 12 Oct 2012 10:39:09 GMT View Forum Message <> Reply to Message

Hi Donghee,

I am not surprised of such effect.

Indeed, we have a central tracker code wich covers mvs+stt+gem, and a forward tracker covering mvs+gem+fts. In between these regions, tracks should be seen only by mvd+gem, w/o stt and w/o fts, and both the already existing code cannot be used. The mvd+gem code is existing, written by Radek, but never raccomended.

If you consider that the coverage of fts is an ellipse wiht 5° and 10° as axis, I believe that between 5° and 10° acceptance decreases. If you could select one theta, i.e. 7.5°, and plot as a function of phi, I believe you could see such obscillations.

Probably we would need to start thinking about also such region.