

Subject: Re: Momentum resolution and reconstruction efficiency of LHE tracking
Posted by [David Pohl](#) on Thu, 11 Feb 2010 09:43:23 GMT

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Wow, you're answering fast. Ok, of course I did the same analyses with the TPC. The track reconstruction efficiency is better like you said. It goes up to 90%, but especially in the low momentum range you can see the same behavior.

MVD+TPC+GEM, standard macros in tutorial folder

The blue criterion means that no track is produced. Very low momentum pions decay before a detector is reached and as a result too few points (<3 MVD+TPC hits) are created for tracking. So this is just a physical reason.

greetings,
David

File Attachments

1) [trackefficiency2.jpg](#), downloaded 1202 times

