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 expecially 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 to less points (<3 MVD+TPC hits) are created for tracking. So this is should be
just a physical reason.

greetings,
David

File Attachments

1) trackefficiency2.jpg, downloaded 863 times