
Subject: the eta_c analysis presented yesterday by Dima
Posted by [Gianluigi Boca](#) on Tue, 02 Aug 2011 13:32:46 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hallo,
as some of you know, yesterday at the Tracking EVO meeting Dima presented the Eta_c analysis with the STT.

This analysis was performed on his computers with the latest version of the code in svn.

The shocking news was that the efficiency for STT dropped dramatically and the quality of the reconstructed Eta_c mass was essentially crap compared to the same analysis performed about 1 month ago in the Grid.

So last night I rerun all the efficiencies studies and I reproduced again all the efficiency Table that I presented many times in the past.

This table is a list of track reconstruction efficiencies and hit finding efficiencies and spurious percentages done with Box generated events of 1, 4, 10 tracks at 0.3, 2, 5 and 10 GeV/c.

To my personal relief I noticed that nothing has changed WITH THE LATEST VERSION OF THE STT+MVD PATTERN RECOGNITION with respect to the past and all the efficiencies are at a very high level.

So I CLAIM THAT SOMETHING FISHY IS GOING ON IN THE CODE AFTER PATTERN RECOGNITION.

This of course is not Dima's fault. I invite every developer to investigate any change they may have done that affects the Eta_c results so much
thanks in advance Gianluigi
