
Subject: Re: No back propagation to IP for V_0 reconstruction

Posted by [donghee](#) on Thu, 04 Dec 2014 21:26:31 GMT

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Hi Stefano,

Well, I think that a ratio plot can help us. all distributions are superimposed with linear scale and ratio defined by (yes BP - no BP) / (no BP) is added. one can see a clear transition at distance 5 cm. positive value means "yes BP" is more efficient, negative value means no BP has a better efficiency in some distance range.

I guess more longer lifetime of the Lambda ($c\tau = 7.89$ cm) can make a clear improvement at V0 reconstruction.

In contrast, K_s ($c\tau = 2.68$ cm) may be very difficult to get some improvement.

It is quite pitty, however I believe that V0 track finder will be realized soon.

Anyhow I will try to show same quality plots for lambda case.

Best wishes,
Donghee

File Attachments

- 1) [test_4_plots_linear.png](#), downloaded 482 times
 - 2) [test_4_plots_ratio.png](#), downloaded 476 times
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