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Subject: Re: Cleanup functions

Posted by [Stefano Spataro](#) on Thu, 02 Oct 2014 13:40:47 GMT

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Dear all,

I tried the last tracking code, switch all the possible cleanup options, and verifying the analysis results from the standard nechmark channel ( $\psi(2s) \rightarrow J/\psi \pi^+ \pi^-$ ) without any background mixing.

Here you can see the  $J/\psi$  and the  $\psi(2s)$  invariant mass distributions:

At a first glance, it seems the cleanup code affects mostly low p tracks (the pions), while the efficiency values for the high p (muons from  $J/\psi$ ) are consistent. Moreover, Mvd cleanup does not reduce the counts so much, the strongest effect comes from the stt cleanup. Of course the code should be verified with the event mixing (thing that I am NOT going to do now).

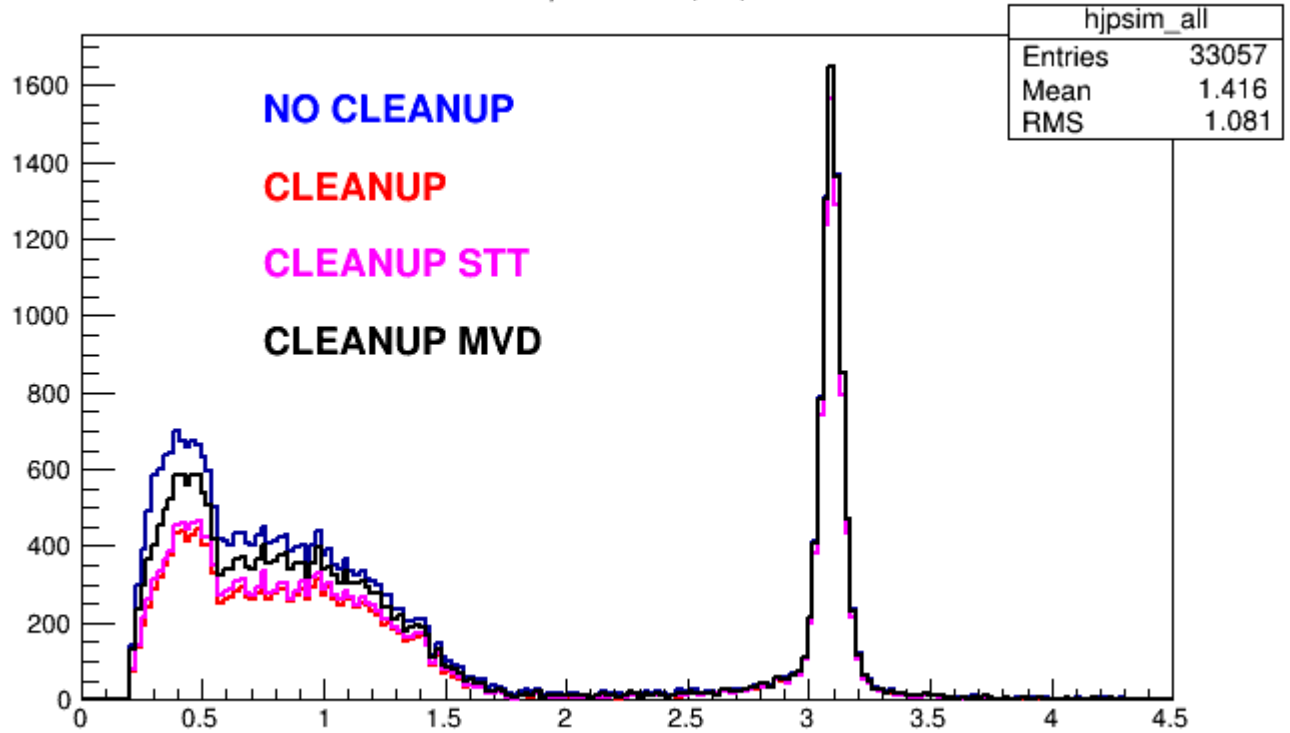
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### File Attachments

1) [cucomp.gif](#), downloaded 712 times

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J/ $\psi$  mass (all)



$\psi(2S)$  mass (all)

