
Subject: pi+pi- analysis with event mixing
Posted by [Elisa Fioravanti](#) on Tue, 30 Aug 2011 08:39:07 GMT
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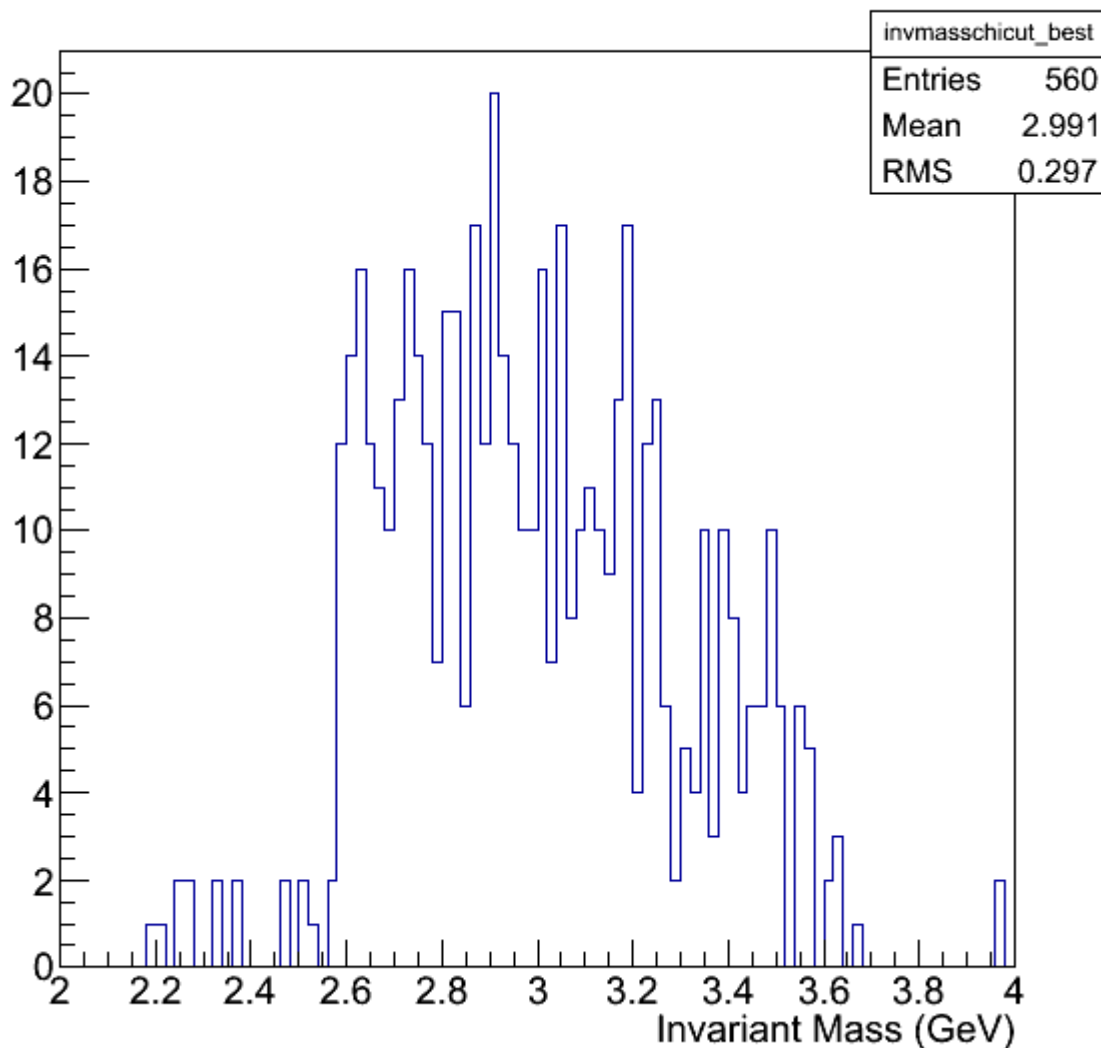
Hello everybody,

I have analyzed pi+pi- with event mixing today. The results are not so good and understandable. I attach here the pi+pi- invariant mass distribution after all the selection criteria on 100.000 generated events. We expect to see a peak at 3.1 GeV.

File Attachments

1) [invmasschicutbest.png](#), downloaded 1197 times

$\pi^+\pi^-$ Invariant mass



Subject: Re: pi+pi- analysis with event mixing
Posted by [Elisa Fioravanti](#) on Fri, 02 Sep 2011 09:33:17 GMT
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Hello everybody,

I have run the event mixing data available on the GRID for the STT for the $p\bar{a}r p \rightarrow \pi^+ \pi^-$ analysis.

I have collected the plots into a pdf file that you can find in attachment.

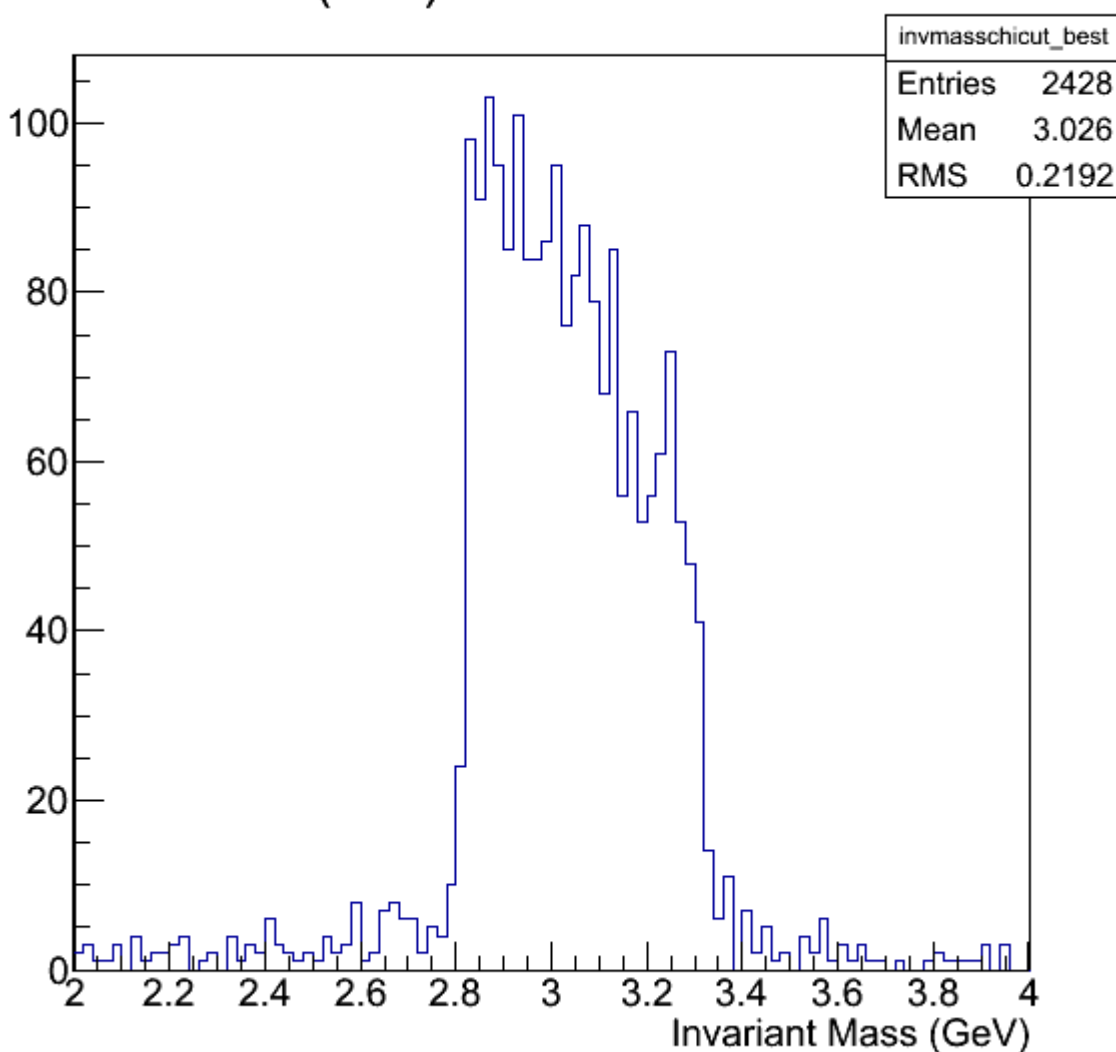
For the $p\bar{a}r p \rightarrow 2(\pi^+ \pi^-)$ I have still some not good results. I attach the invariant mass of the four pions.

Cheers,
Elisa

File Attachments

1) [invamass_chicut_best.png](#), downloaded 968 times

$2(\pi^+ \pi^-)$ Invariant mass



2) [Mixing.pdf](#), downloaded 443 times