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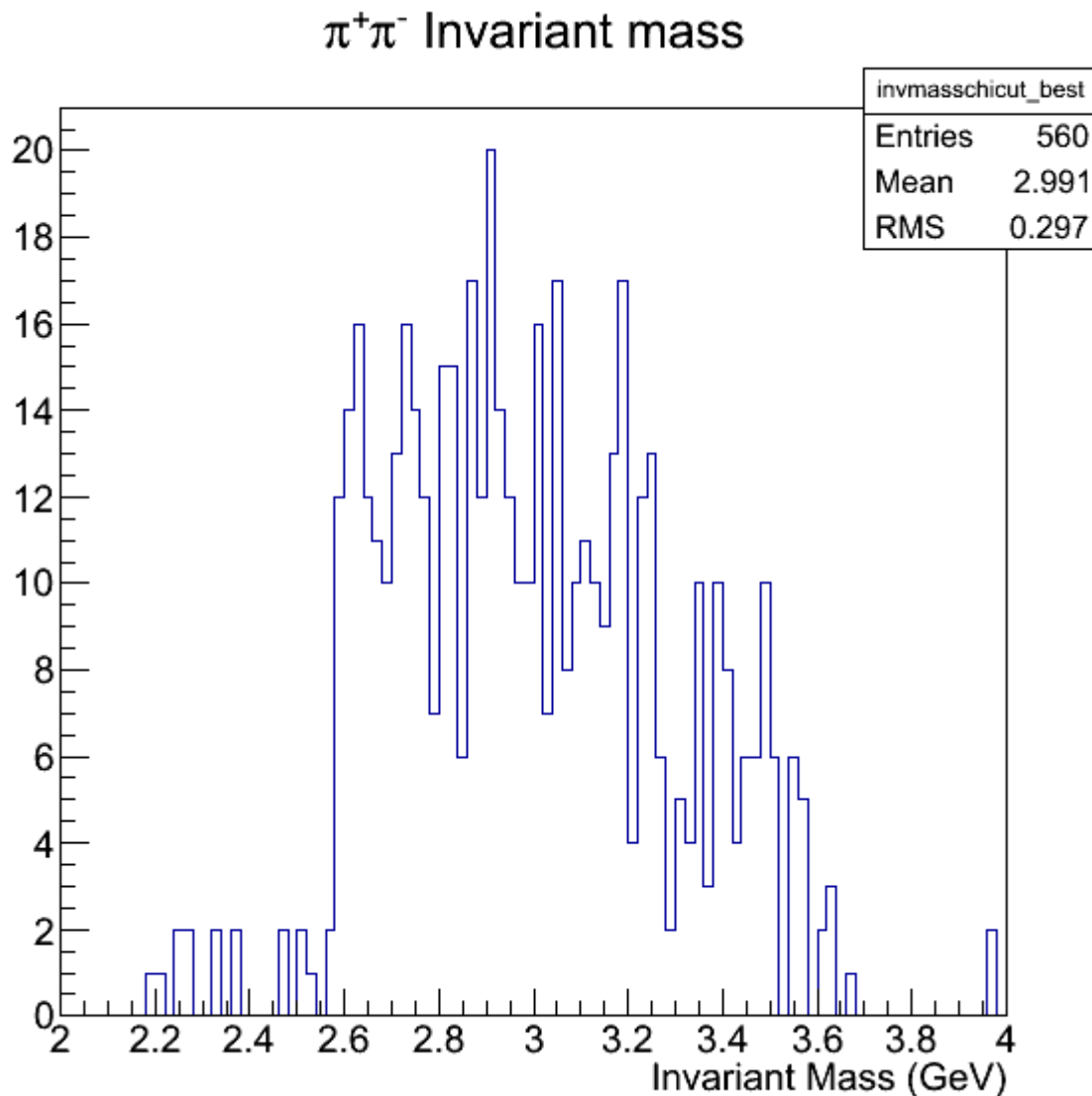
Hello everybody,

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.

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#### File Attachments

1) [invmasschicutbest.png](#), downloaded 1046 times



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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  $p\bar{p} \rightarrow \pi^+\pi^-$  analysis.

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

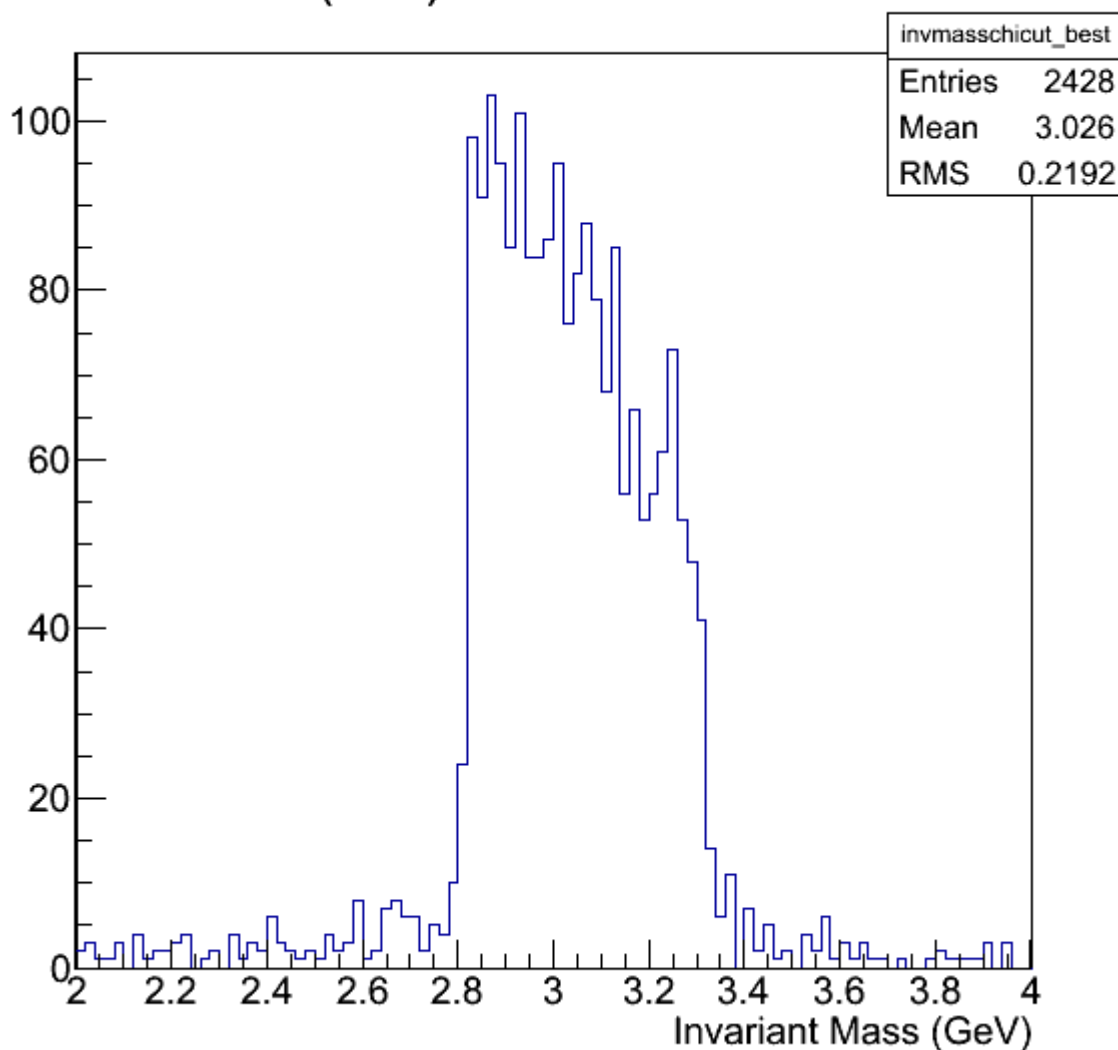
For the  $p\bar{p} \rightarrow 2(\pi^+\pi^-)$  I have still some not good results. I attach the invariant mass of the four pions.

Cheers,  
Elisa

### File Attachments

1) [invamass\\_chicut\\_best.png](#), downloaded 871 times

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



2) [Mixing.pdf](#), downloaded 407 times