Subject: Re: Problem with Invariant mass distribution of D0 and D* candidates while using different tracking code
Posted by Ajay Kumar on Tue, 31 Mar 2015 09:30:33 GMT
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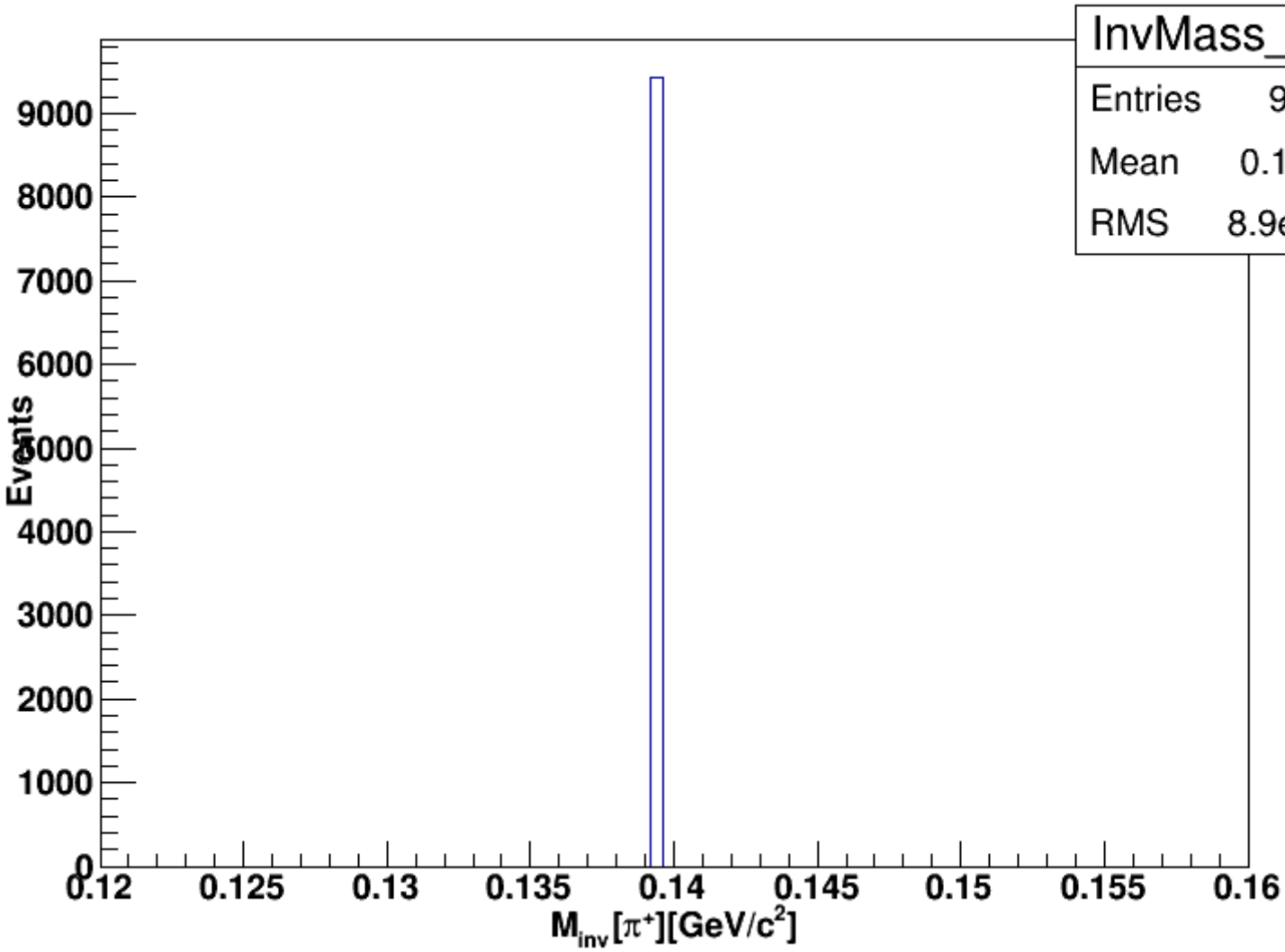
Hello Stefano,

I have simulated single pi+ per event using box generator with and without Lambda disks. I observed that some pi+ were lost with Lambda Disks in comparison of without Lambda Disks. I have used both tracking code to see the effect of Lambda disks on the pi+ tracks. I have attached related plots here.
Kindly give your suggestions.

Thanks and Regards
Ajay

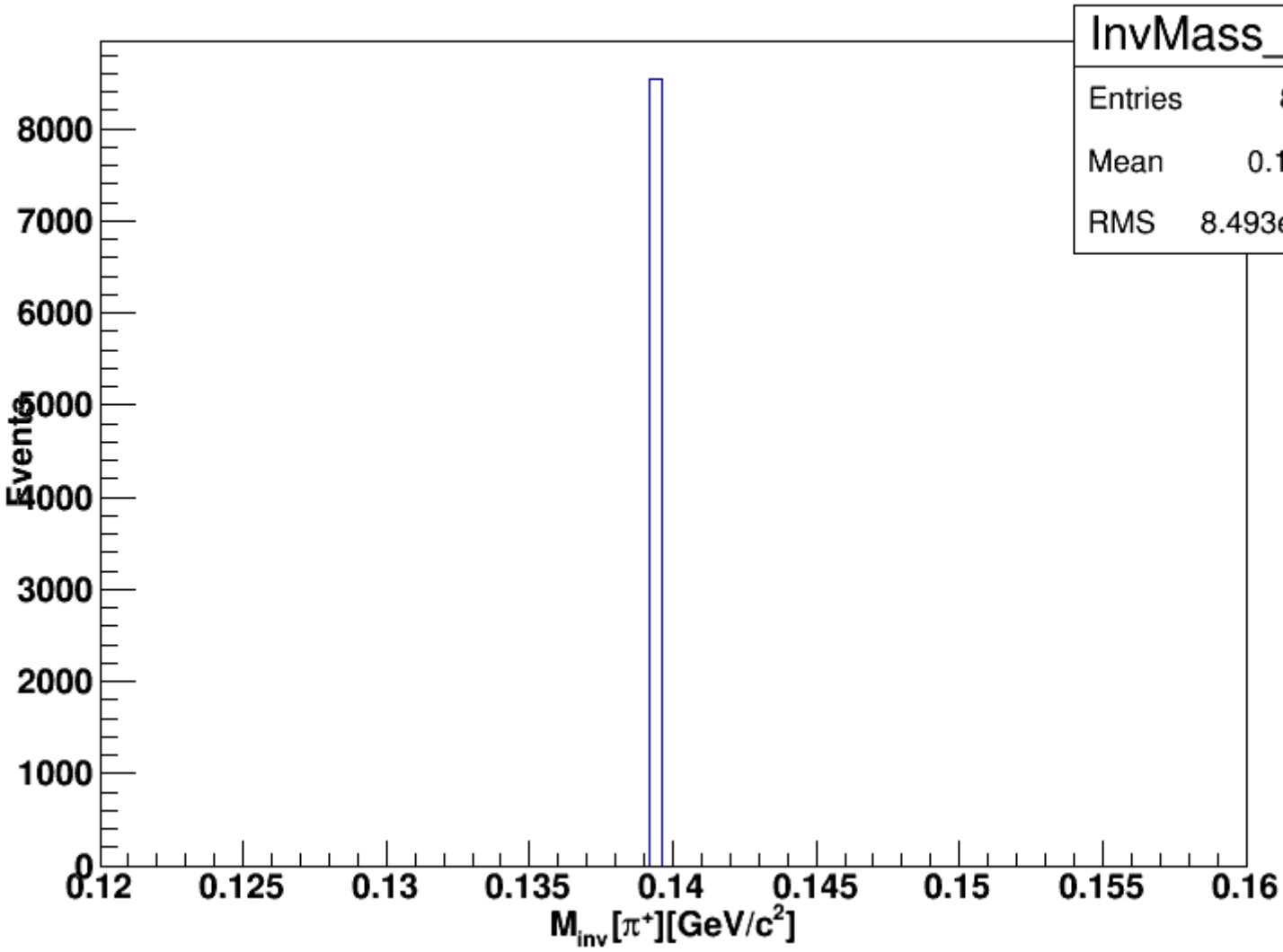
File Attachments

1) GlobalTraking_Without Lambda Disks.png, downloaded 1011 times

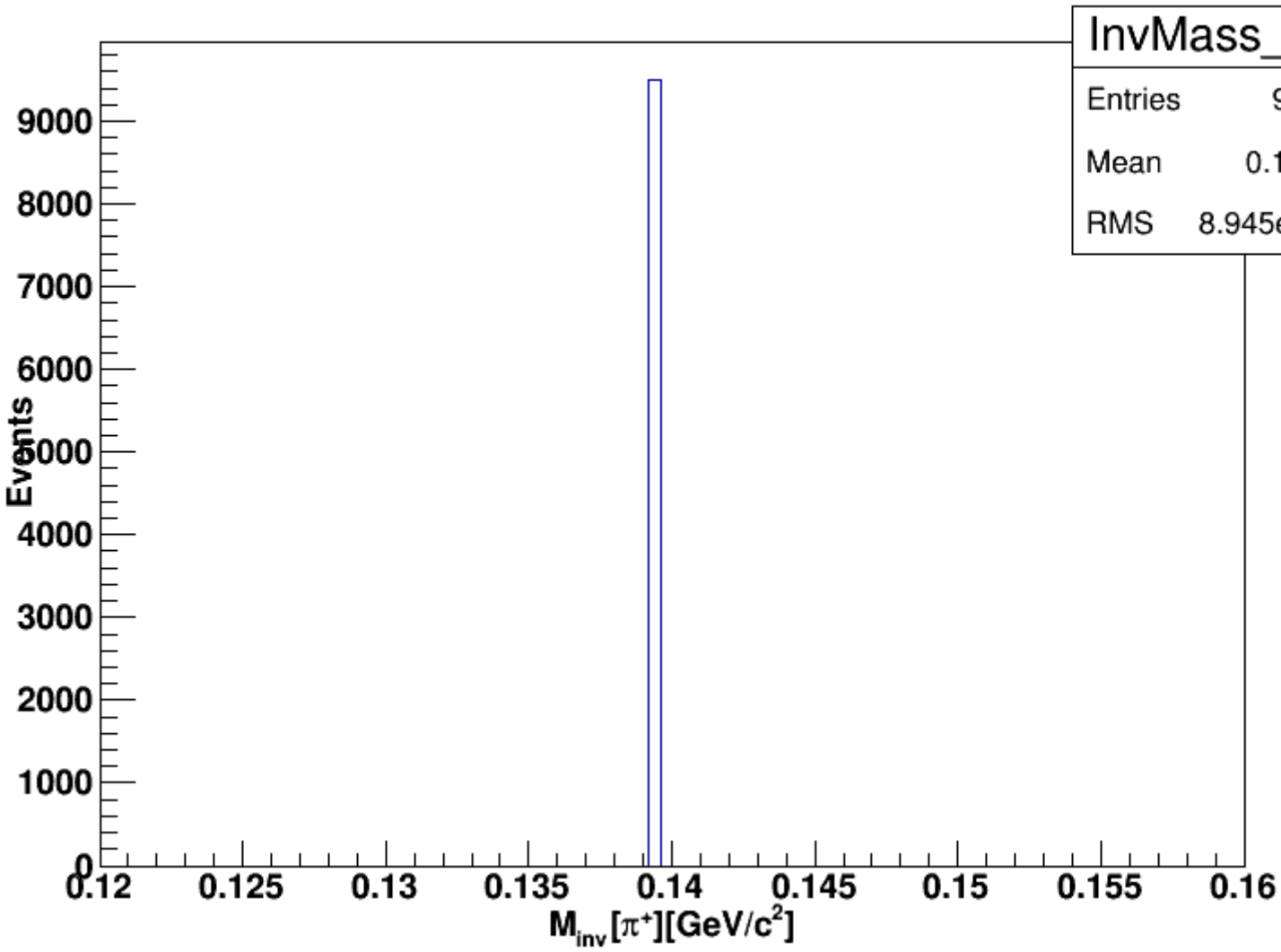


2) GlobalTraking_With Lambda Disks.png, downloaded 1021

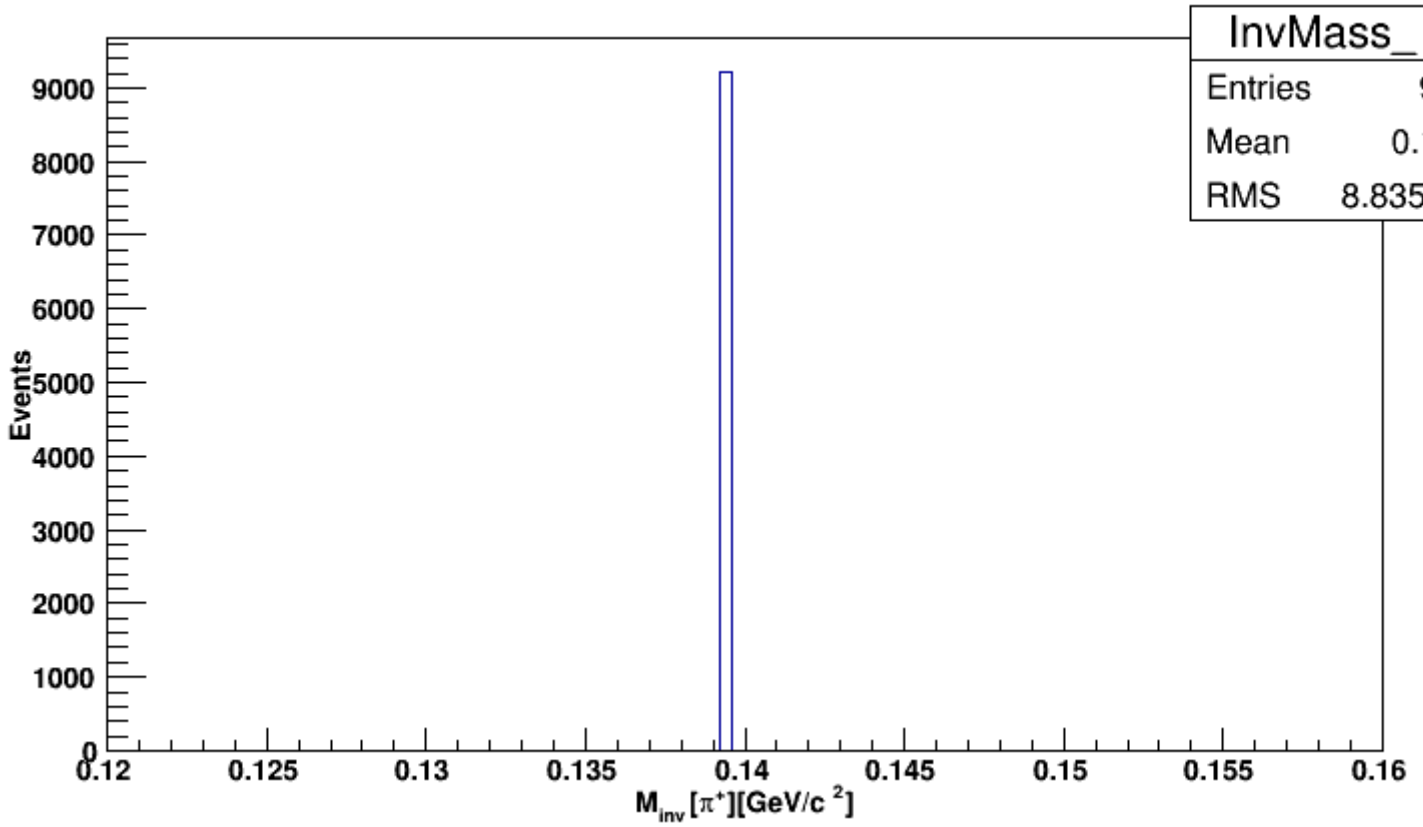
times



3) IdealTraking_Without Lambda Disks.png, downloaded 990 times



4) IdealTraking_With Lambda Disks.png, downloaded 982 times


InvMass_
Entries
Mean
RMS
8.835
Events
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0.12
0.125
0.13
0.135
0.14
0.145
0.15
0.155
0.16
M_inv [π+][GeV/c 2]