
Subject: Re: Delta from Krivoruchenko

Posted by [Tetyana Galatyuk](#) on Mon, 24 Oct 2011 09:22:03 GMT

[View Forum Message](#) <> [Reply to Message](#)

Dear all,

to complete the story, I have prepared
few plots for p+p at Ekin=1.25 GeV.

Figure bellow shows the mass dependent
branching ratio of Delta estimated by dividing
 $pp \rightarrow p\Delta+ \rightarrow p\pi^0$ by $pp \rightarrow p\Delta+ \rightarrow p\pi^+$

The next point which was checked concerns the following issue:

Ingo wrote:

>please update to v5.38.2. In the previous version,
>the Krivoruchenko model was not enabled by using
>the following command:
>`makeDistributionManager()->Exec("dalitz_mod: krivoruchenko");`

Bellow you can find a figure which shows the
Delta+ mass distribution in channel $pp \rightarrow p\Delta+ \rightarrow p\pi^+ + e^-$
for two versions of Pluto. Indeed, the Krivoruchenko
model was not enable in the Pluto versions < v5.38.2!

Finally, you can see the influence on invariant
 e^+e^- mass spectrum:

File Attachments

- 1) [BR_DeltaPlus_pp125_pp22_pp35.gif](#), downloaded 520 times
 - 2) [Delta_ProtonEpEm_pp125.gif](#), downloaded 506 times
 - 3) [Delta_ProtonPi_pp125.gif](#), downloaded 319 times
 - 4) [BR_DeltaPlus_pp125_PlutoPLBvsPluto5382.gif](#), downloaded 325 times
 - 5) [Minv_EpEm_pp125.gif](#), downloaded 492 times
-