
Subject: Re: Delta from Krivoruchenko
Posted by [Tetyana Galatyuk](#) on Mon, 24 Oct 2011 09:22:03 GMT
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Dear all,

to complete the story, I have prepared few plots for p+p at $E_{kin}=1.25$ GeV.

Figure bellow shows the mass dependent branching ratio of Delta estimated by dividing $pp \rightarrow p\Delta^{+-} \rightarrow ppp\pi^0$ by $pp \rightarrow p\Delta^{+-} \rightarrow ppe^+e^-$

The next point which was checked concerns the following issue:

Ingo wrote:

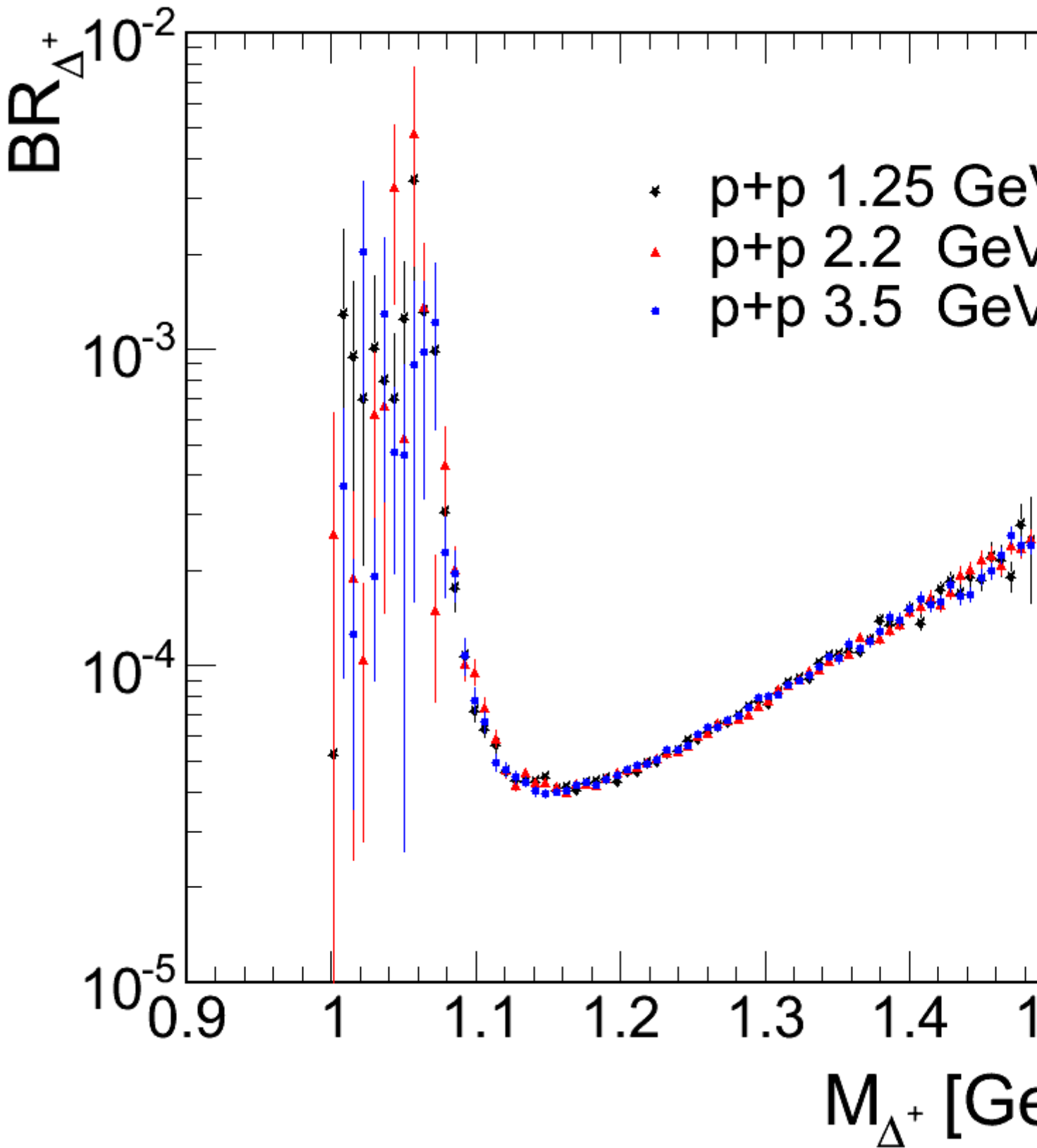
>please update to v5.38.2. In the previous version,
>the Krivoruchenko model was not enabled by using
>the following command:
>`makeDistributionManager()->Exec("dalitz_mod: krivoruchenko");`

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

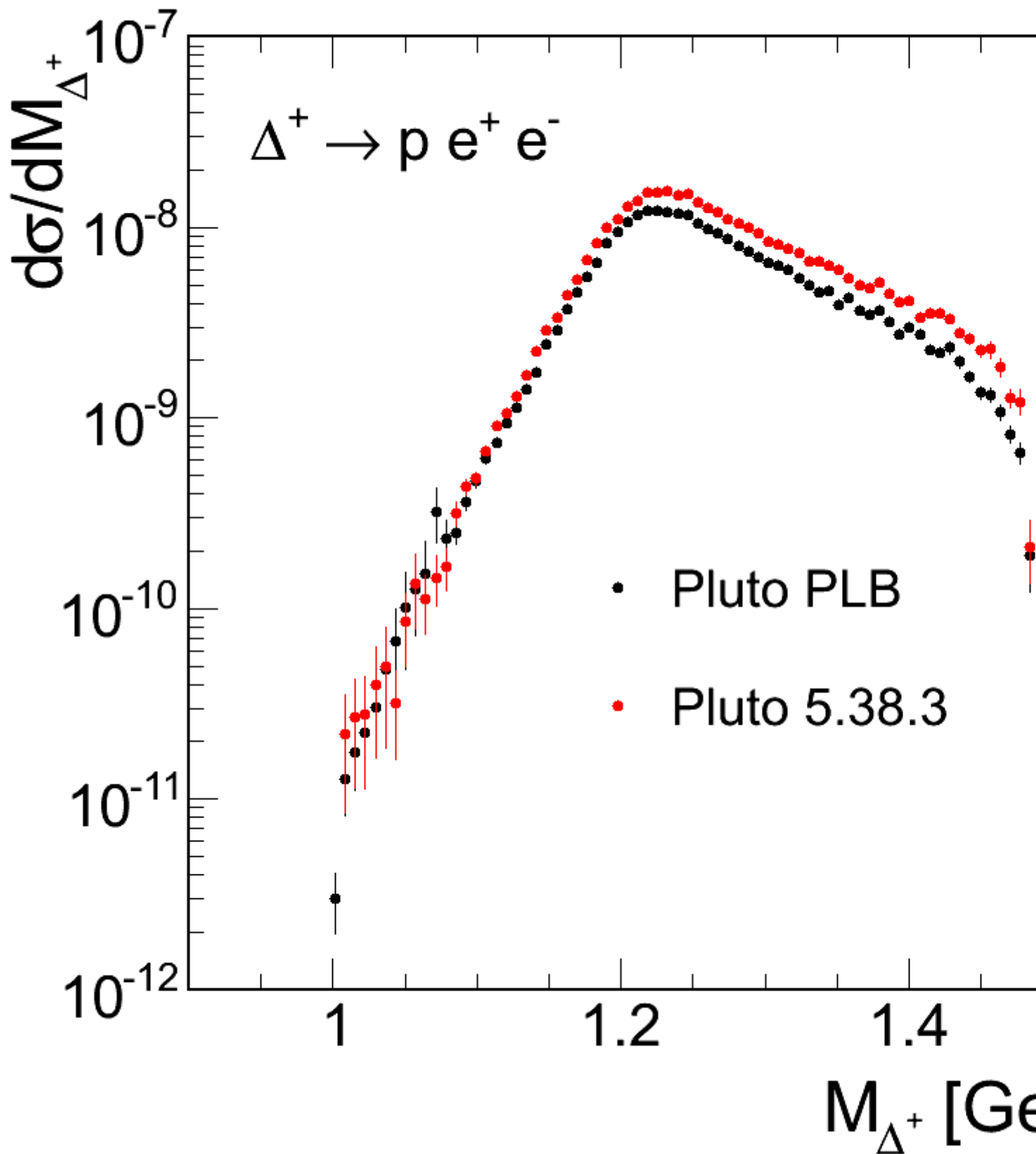
Finally, you can see the influence on invariant e^+e^- mass spectrum:

File Attachments

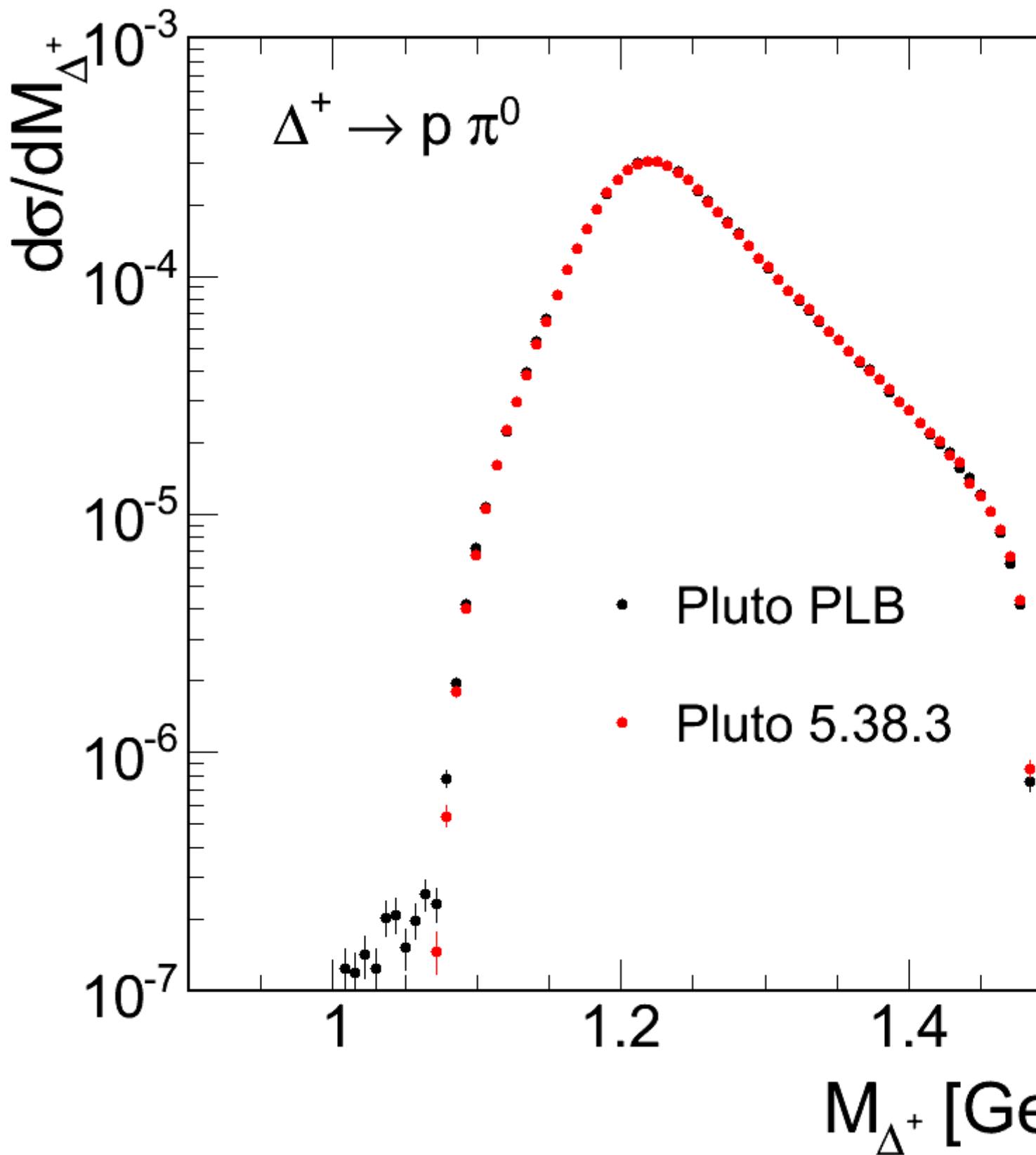
1) [BR_DeltaPlus_pp125_pp22_pp35.gif](#), downloaded 1256 times



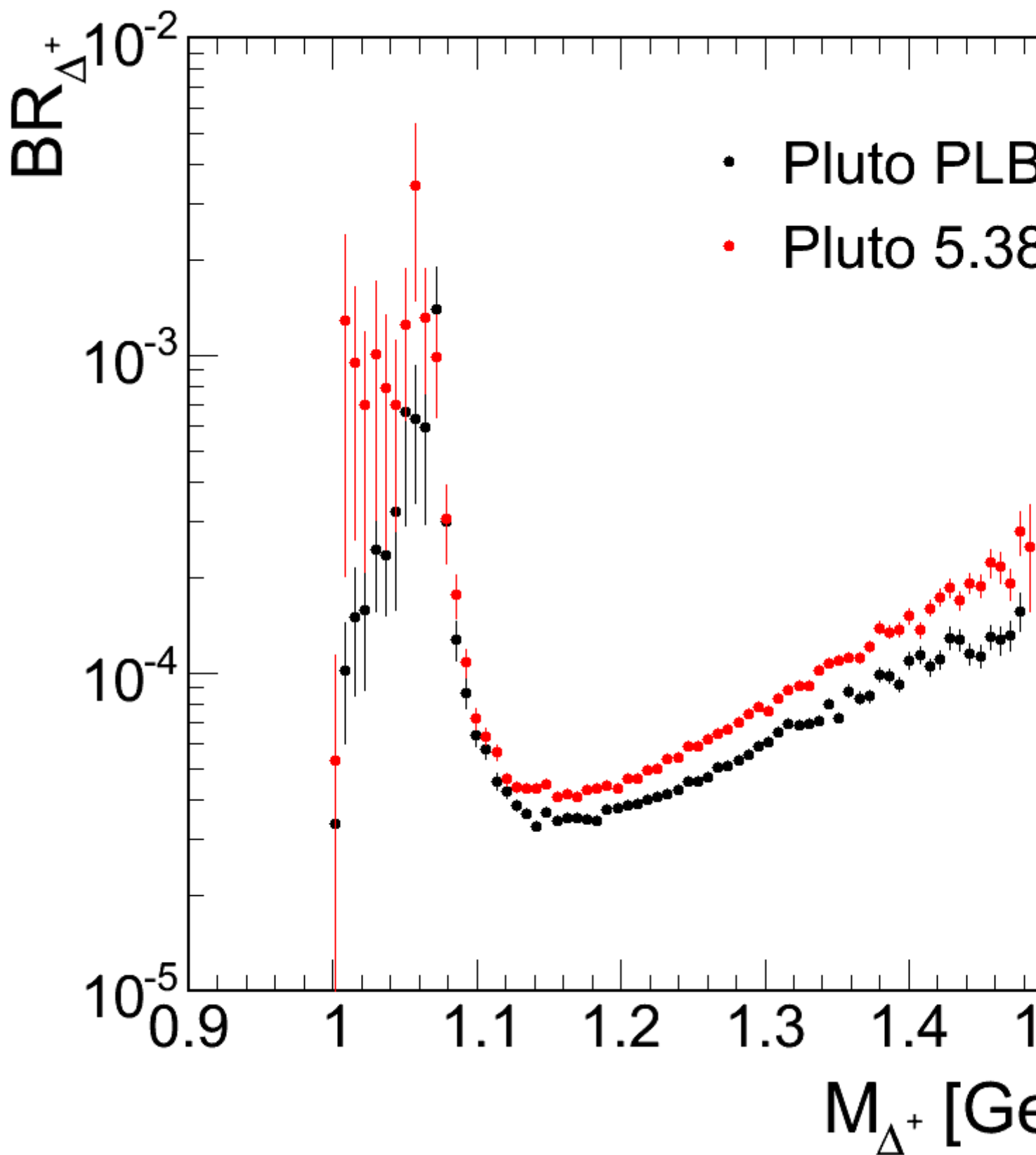
2) [Delta_ProtonEpEm_pp125.gif](#), downloaded 1271 times



3) [Delta_ProtonPi_pp125.gif](#), downloaded 894 times



4) [BR_DeltaPlus_pp125_PlutoPLBvsPluto5382.gif](#), downloaded 946 times



5) [Minv_EpEm_pp125.gif](#), downloaded 1269 times

