
Subject: Re: Delta from Krivoruchenko
Posted by [Adrian Dybczak](#) on Tue, 11 Oct 2011 11:51:52 GMT
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As we can see BR ratio in the pole is OK.
Also $d\Gamma/dM$ is working fine.

I put distributions of Delta mass drawn for 1mln generated events directly from this macro (not in Log Scale).

This looks nice.

But for mas of (proton $e^+ e^-$) one can see

Question is: How large should be statistic to get smooth shape of Delta tail? Because 1 mln is not enough as we can see.

By the way i thought that main goal to use flat gen was to make tail smoother. Do we have reversed result?

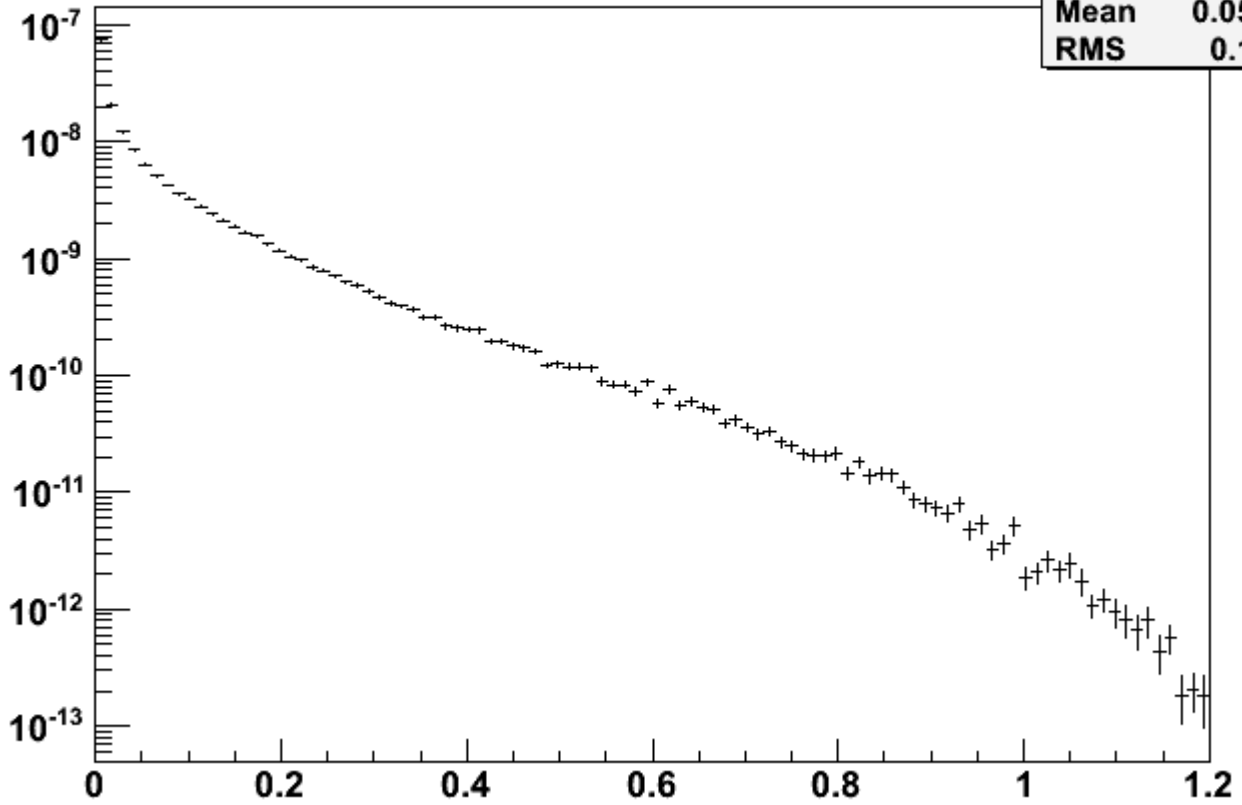
e^+e^- invariant mass looks quite smoothly.

File Attachments

1) [EpEm_mass.png](#), downloaded 1334 times

m_inv {sim_genweight}

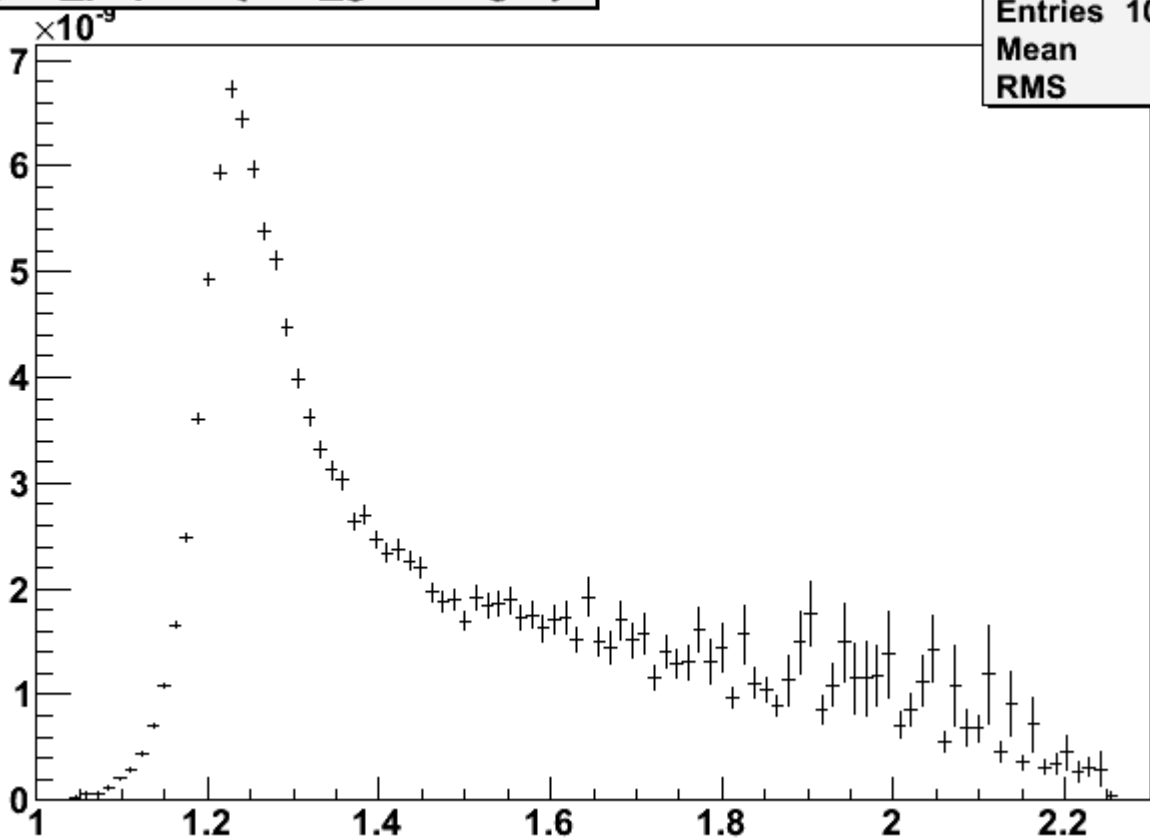
II	
Entries	1000000
Mean	0.05742
RMS	0.1003



2) [PEpEm_mass.png](#), downloaded 1295 times

m_inv_pepem {sim_genweight}

II	
Entries	1000000
Mean	1.505
RMS	0.2872



3) [D_mass.png](#), downloaded 1273 times

