Subject: Re: Delta from Krivoruchenko
Posted by Adrian Dybczak on Tue, 11 Oct 2011 11:51:52 GMT

As we can see BR ratio in the pole is OK.
Also dGamma/dM is working fine.

I put distributions of Delta mass drawed 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 Dalta 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?
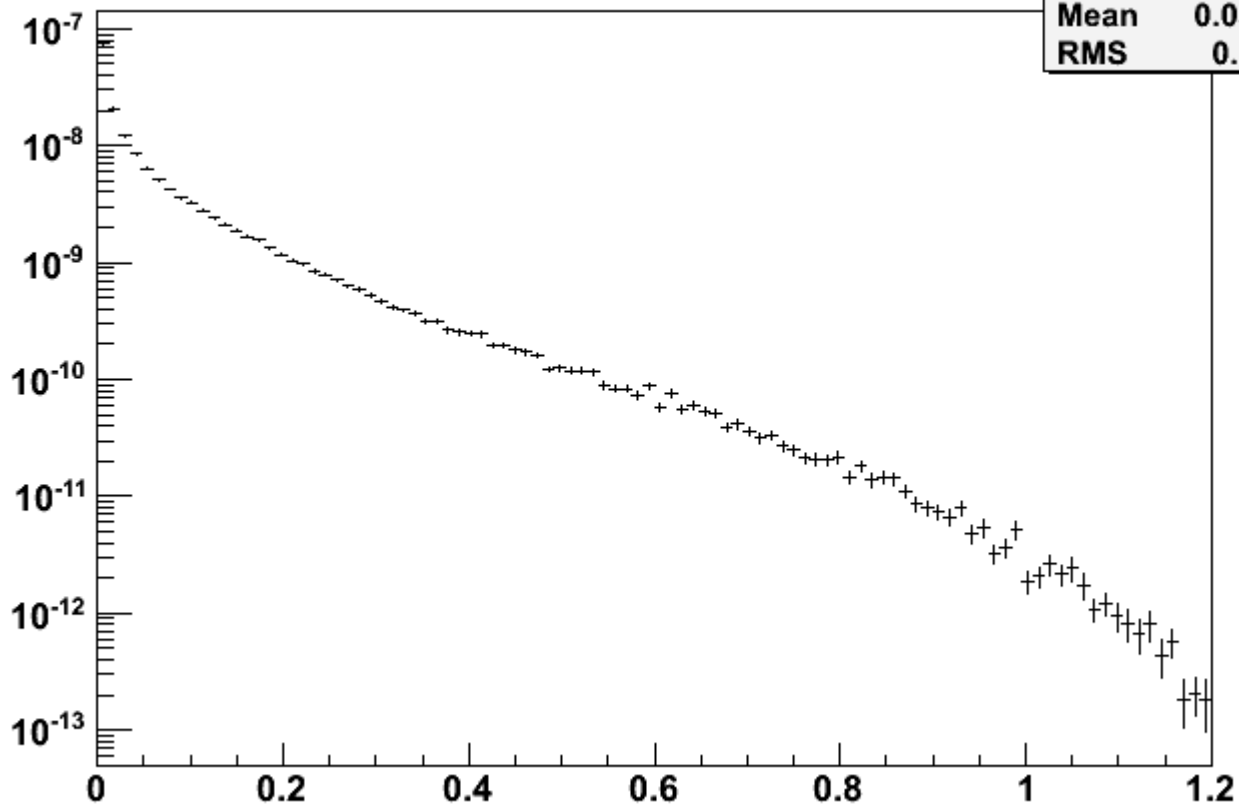
e+e- invariant mass looks quite smoothly.

File Attachments
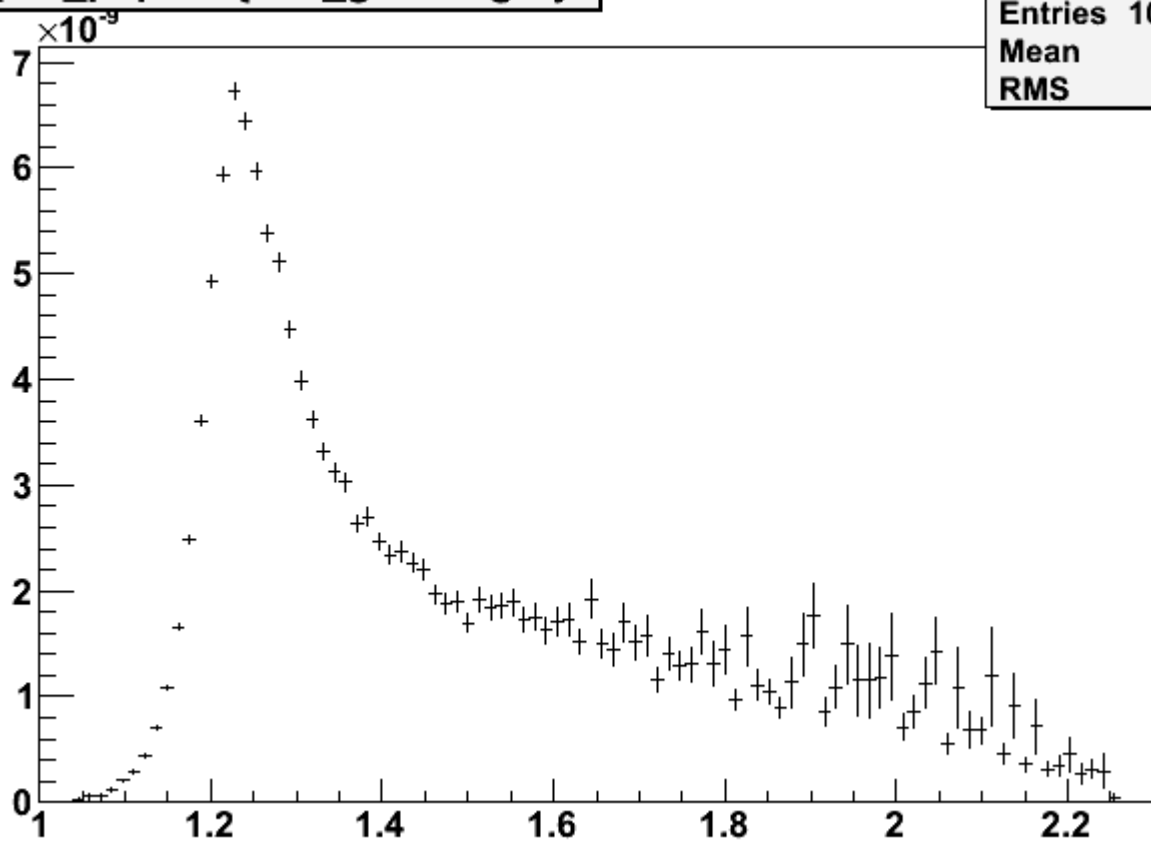1) EpEm_mass.png, downloaded 1216 times

m_inv {sim_genweight}

	II
Entries	1000000
Mean	0.05742
RMS	0.1003

2) PEpEm_mass.png, downloaded 1173 times

m_inv_pepem {sim_genweight}

	II
Entries	1000000
Mean	1.505
RMS	0.2872

3)