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Subject: Re: Bear Smear and Cross Sections

Posted by [Ingo Fröhlich](#) on Mon, 03 Sep 2012 14:54:24 GMT

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Could you upload the file Ntuple\_EtaHist.root somewhere so that I can use it for testing?

My first naive assumption is that the granularity is not sufficient. Most of your slices in q have only 0.01 GeV difference. You would like to cover a range from 1.739 to 3.3268 GeV, thus a range of 1.5878 GeV. This means you need a grid of 158 grid points of the TF2 at least.

I just notices that the ROOT default value is 30!

Can you try a higher value e.g. "model->SetNpy(500)"? This can take much more computing time - the ROOT GetRandom2 algorithm is very inefficient.

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