Subject: Re: Bear Smear and Cross Sections
Posted by Ingo Fröhlich on Mon, 06 Aug 2012 21:48:07 GMT
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I don't know if this goes in your direction but I have done something some time ago for angular distributions:

http://web-docs.gsi.de/~hadeshyp/pluto/v5.40/examples/useAngularDistribu tion.C.html

Here one can add 1-dimensional histograms to form the angular shape. Functions are also possible. The 2-dimensional functions allow to model the distribution based on the c.m. energy. I guess because you are using beam smearing, you would need some histogram based equivalent of the 2-dimensional function?

There is a caveat with these functions: they must be normalized such that the maximum is lower as 1 (I know I should get rid of this)