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Subject: Re: Different x-y resolutions

Posted by [Simone Bianco](#) on Thu, 21 Jul 2011 15:54:46 GMT

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Thanks Tobias, the constant field worked fine. Using the same parameters as before I got really similar results:

So, this should exclude effects of asymmetries in the magnetic field.

I tried to select smaller theta ranges and what I notice is that in the "forward" part everything works fine. For example here you see what I obtained (always with four pions of 1GeV/c) limiting the theta range to the range [30,40]°:

Increasing theta the situation gets worse. This is what I obtained in the range [60,70]:

Cheers,

Simone

PS: all these plots were obtained using the POCA vertex finder

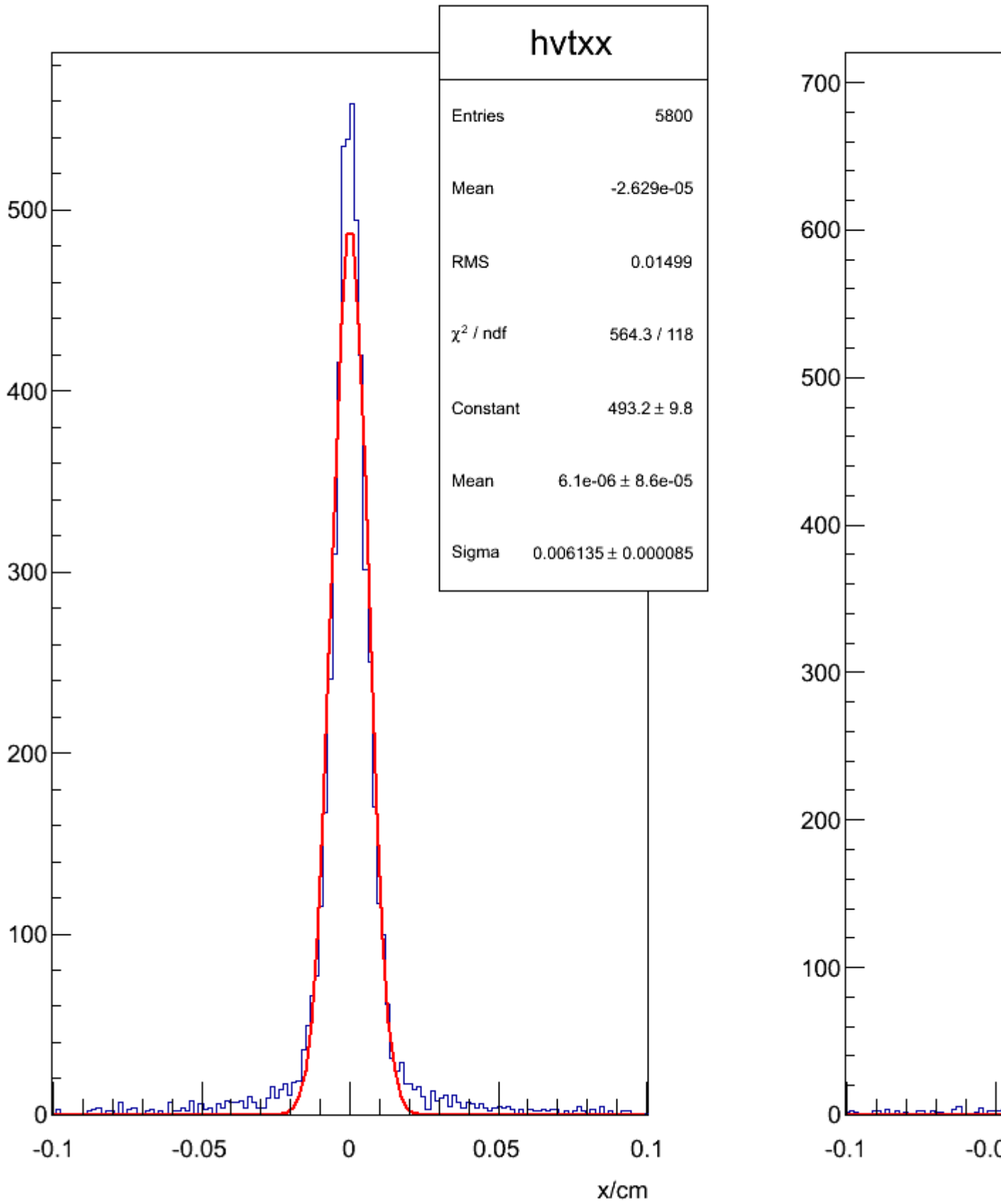
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#### File Attachments

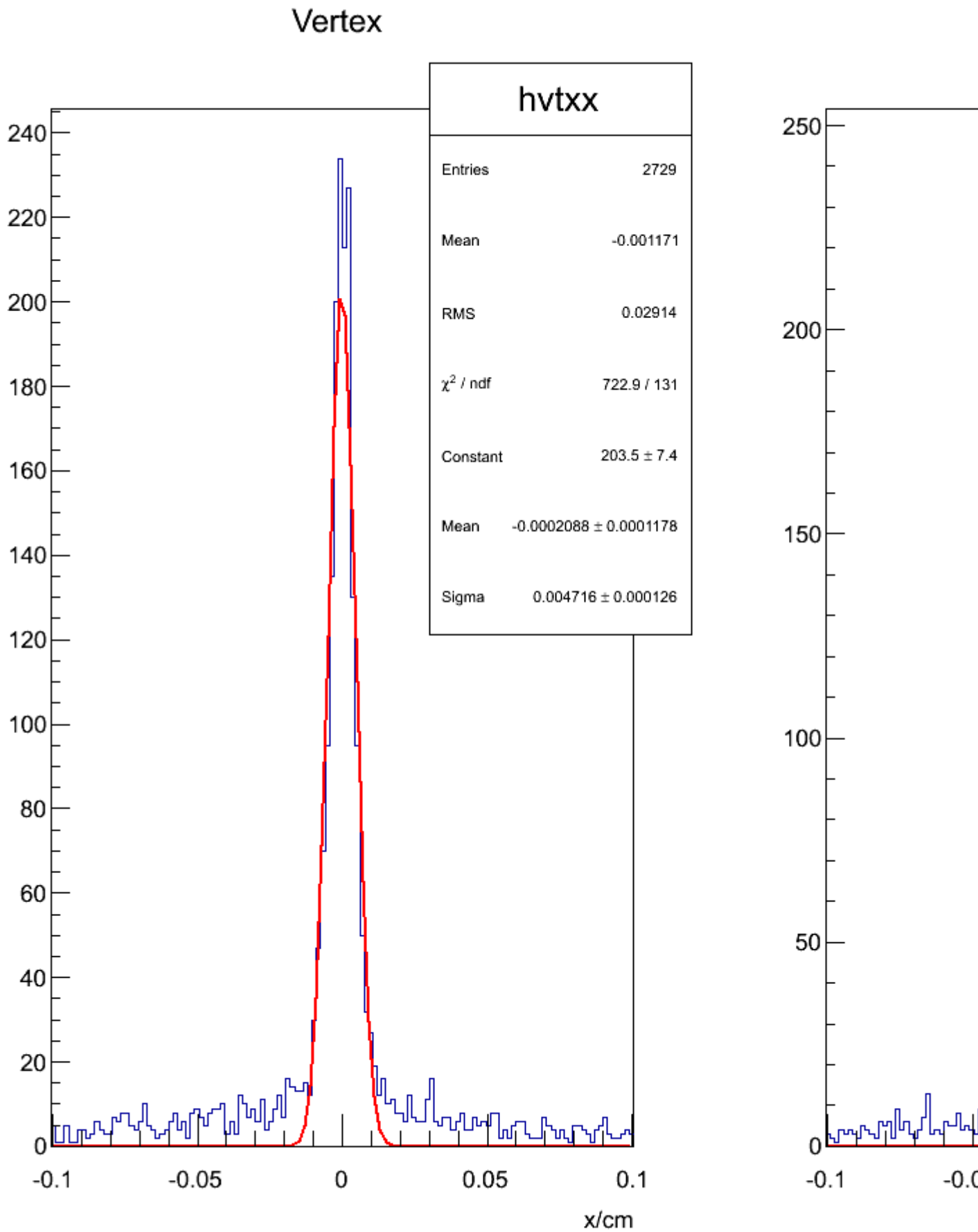
1) [ConstField\\_20\\_140deg.png](#), downloaded 534 times

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# Vertex



2) [ConstField\\_30\\_40deg.png](#), downloaded 591 times



3) [ConstField\\_60\\_70deg.png](#), downloaded 589 times

