
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,

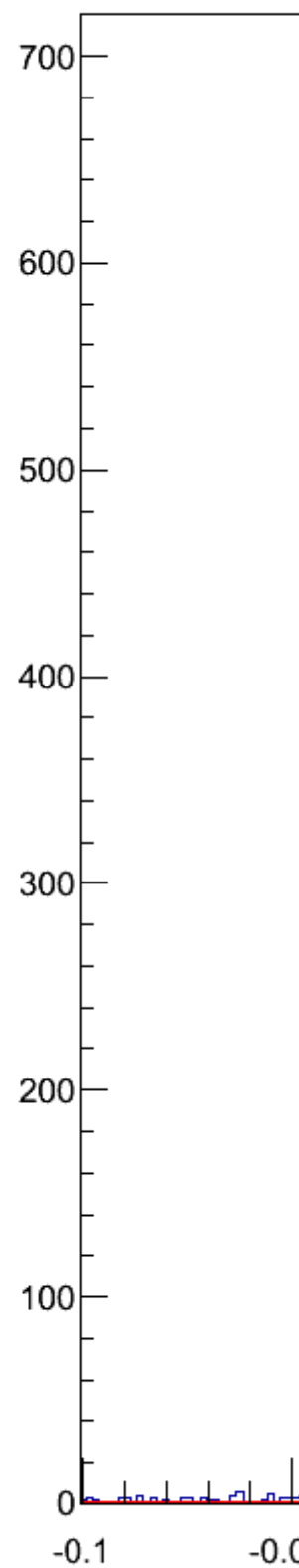
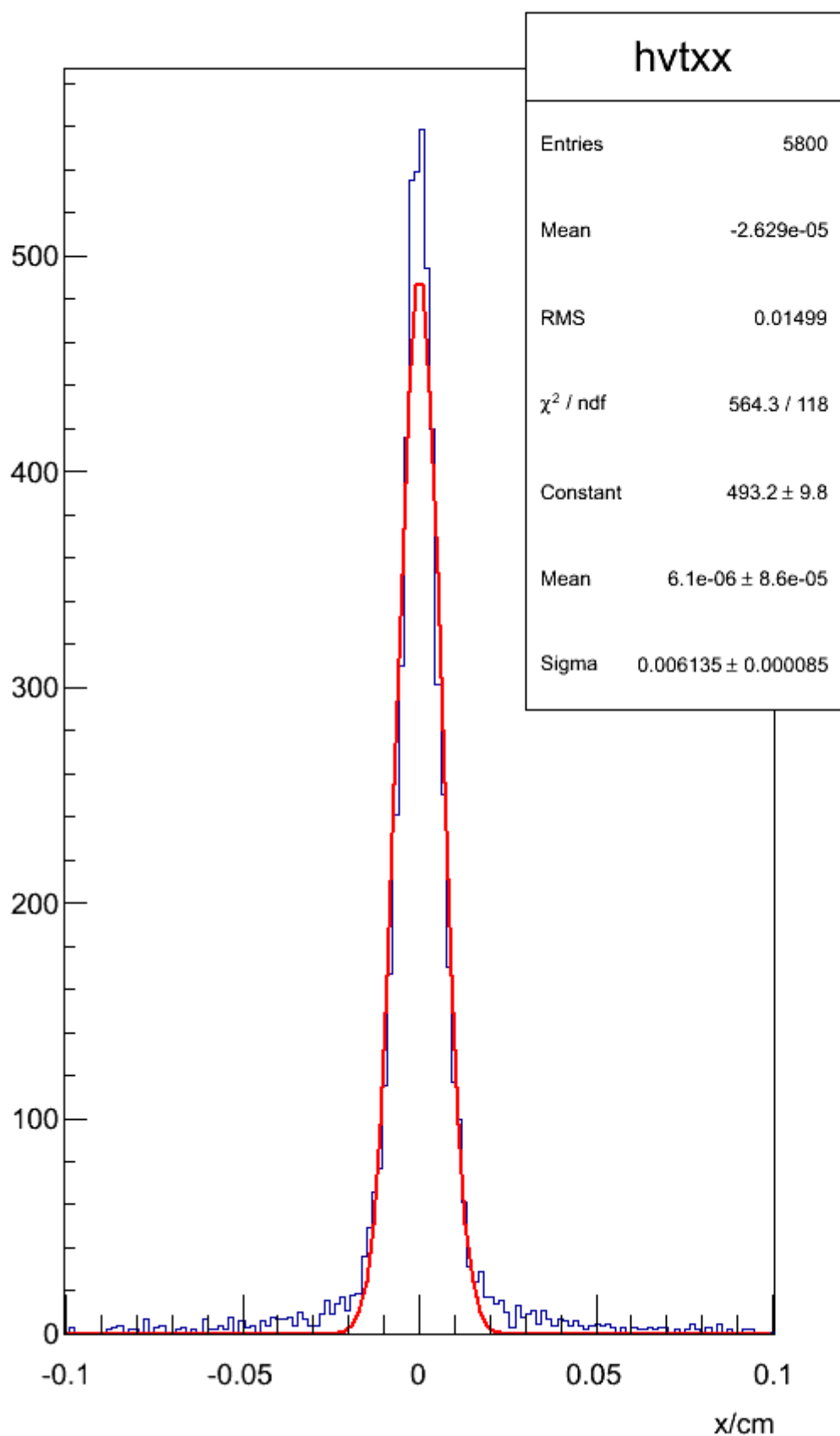
Simone

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

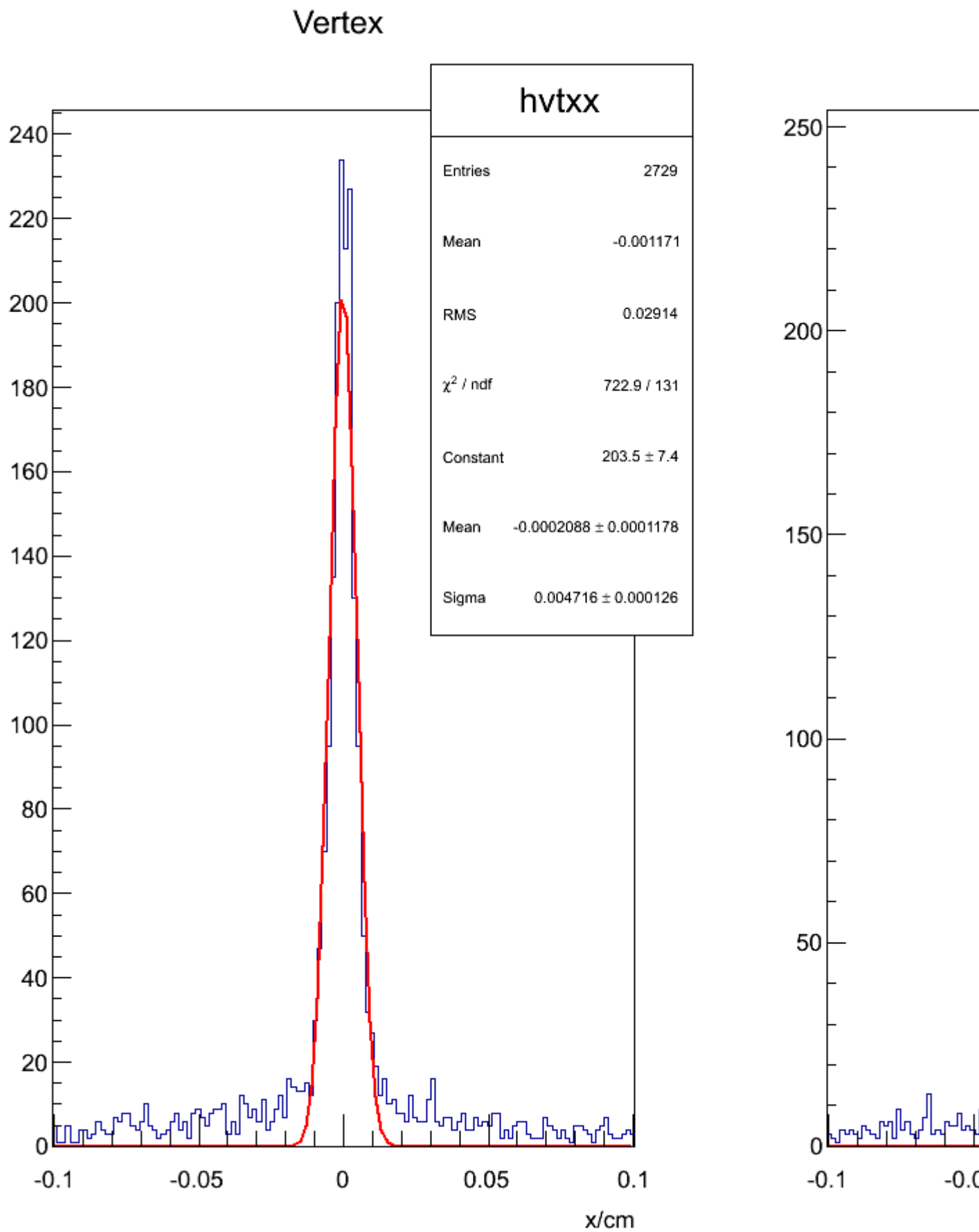
File Attachments

1) [ConstField_20_140deg.png](#), downloaded 944 times

Vertex



2) [ConstField_30_40deg.png](#), downloaded 1007 times



3) [ConstField_60_70deg.png](#), downloaded 940 times

