
Subject: Re: PScatterCrossSection with pi0 decay
Posted by [Michael Kunkel](#) on Tue, 21 May 2013 21:54:53 GMT
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Here is a more in-depth explanation.

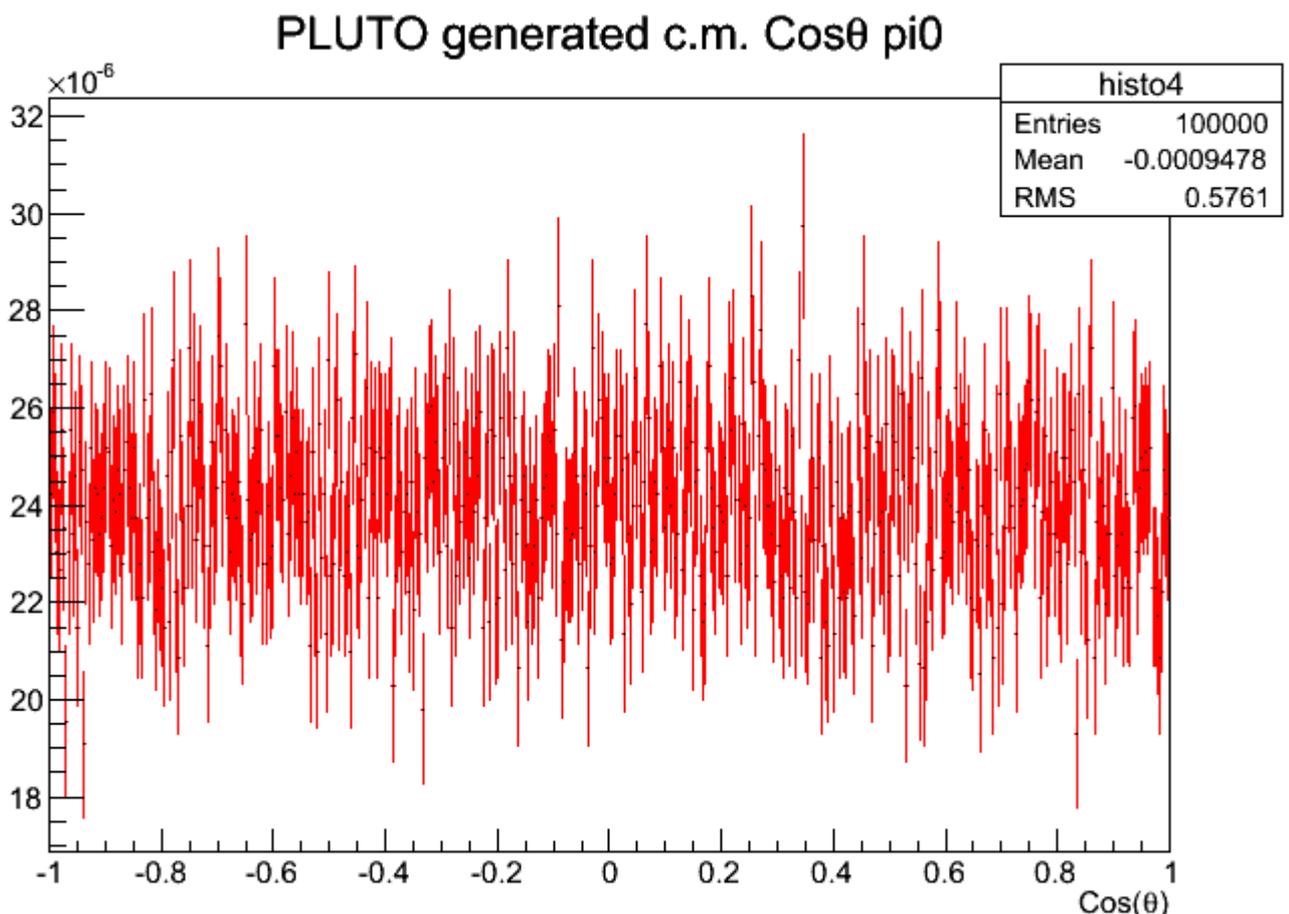
I have a script, pi0_XSection.C, in which I ask PLUTO to sample the inputted histograms. For the sample provided, I ask only one c.m. energy and one histogram. I get a flat distribution in Cos(theta) instead of the inputted histogram. See figure 1.

Then I change that macro for the case when I have known this procedure to work, eta (macro pi0_maskEta_XSection.C), and I run it. I get a topology similar to the inputted histogram. See figure 2.

Thanks
Michael

File Attachments

- 1) [PI0_Hists.root](#), downloaded 451 times
- 2) [pi0_XSection.C](#), downloaded 452 times
- 3) [pi0_maskEta_XSection.C](#), downloaded 486 times
- 4) [XSECTIO_GEN_PLOTSPLUTO_PI0_generated_cos_theta.png](#), downloaded 1197 times



- 5) [XSECTIO_GEN_PLOTSPLUTO_ETA_generated_cos_theta.png](#), downloaded 1121 times

PLUTO generated c.m. Cos θ eta

