
Subject: Re: Weird STT reconstruction: efficiency depends on charge

Posted by [Andrew Savchenko](#) on Thu, 17 Jan 2008 14:23:11 GMT

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Stefano Spataro wrote on Thu, 17 January 2008 13:17 Have you tried with higher theta angles, such as 60°?

Maybe the tracking at 20° is a bit problematic... but I am just trying to guess.

Hi Stefano, thank you for reply.

I tried with 60 degree and here is the result:

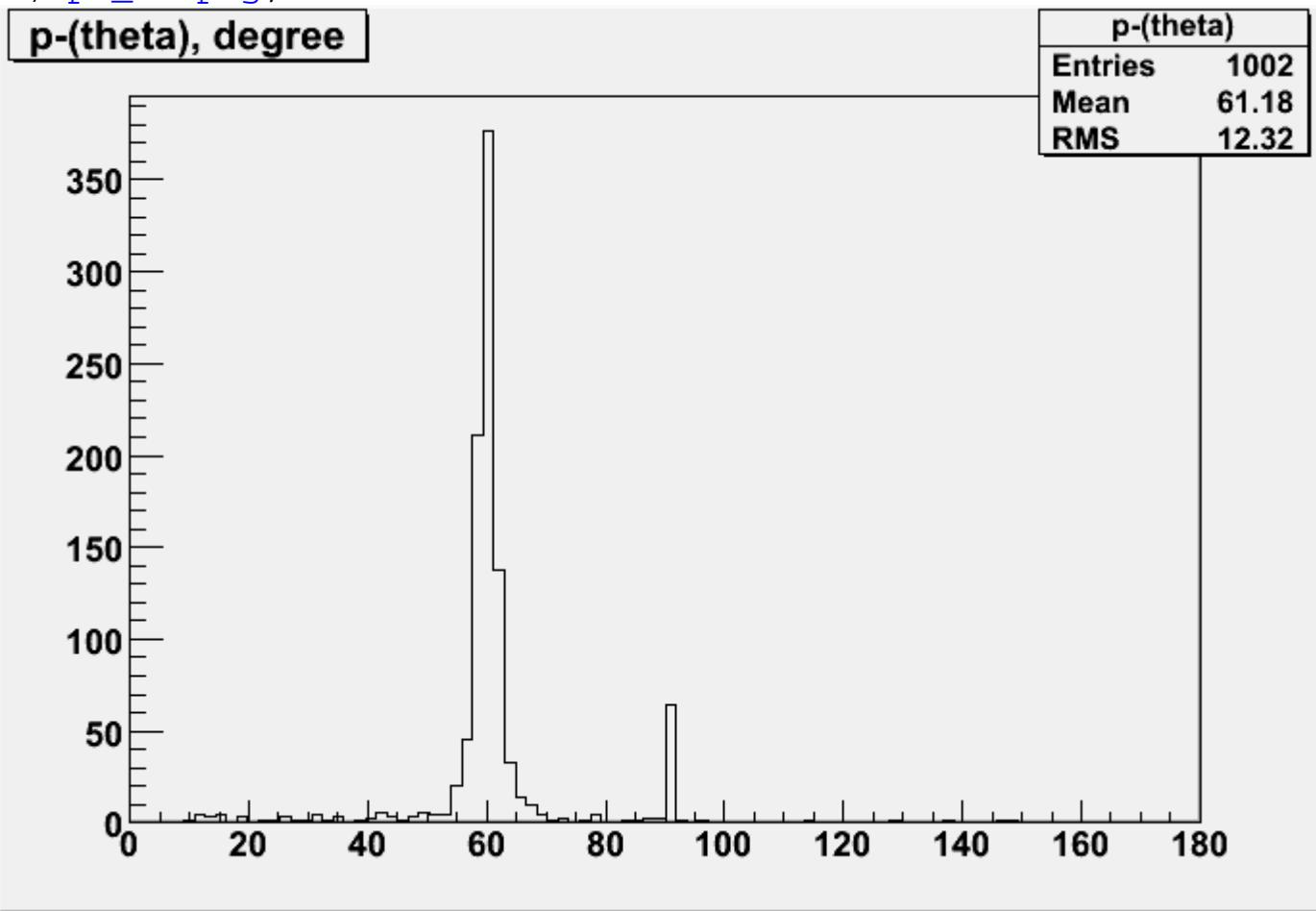
for antiprotons identification is much better. But protons are still not identified at all.

Here are the pictures.

P.S. In the real simulation I will deal with low polar angles due to conservation laws. As far as I know, 15 degree is already acceptable for the Straw Tracker.

File Attachments

1) [p-_60.png](#), downloaded 1042 times



2) [p+_60.png](#), downloaded 966 times

p+(theta), degree

p+(theta)	
Entries	1003
Mean	89.75
RMS	4.231

