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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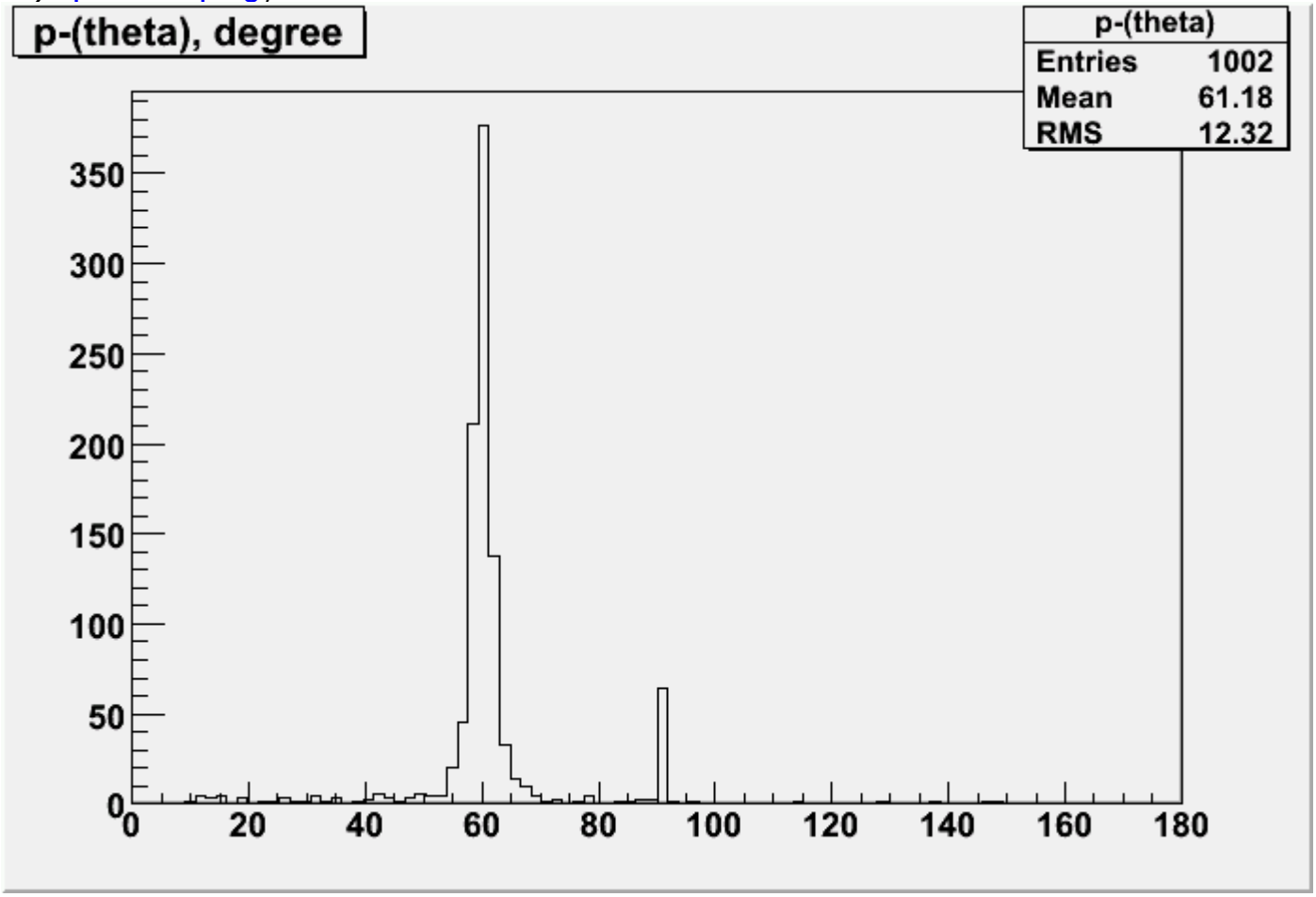
Stefano Spataro wrote on Thu, 17 January 2008 13:17Have you tried with higher theta angles, such as 60°?
Maybe the tracking at 20° is a bit problematic... but I am just trying to guess.
Hi Stefano, thank you for reply.
I tried with 60 degree and here is the result:
for antiprotons identification is much better. But protons are still not identified at all.

Here are the pictures.

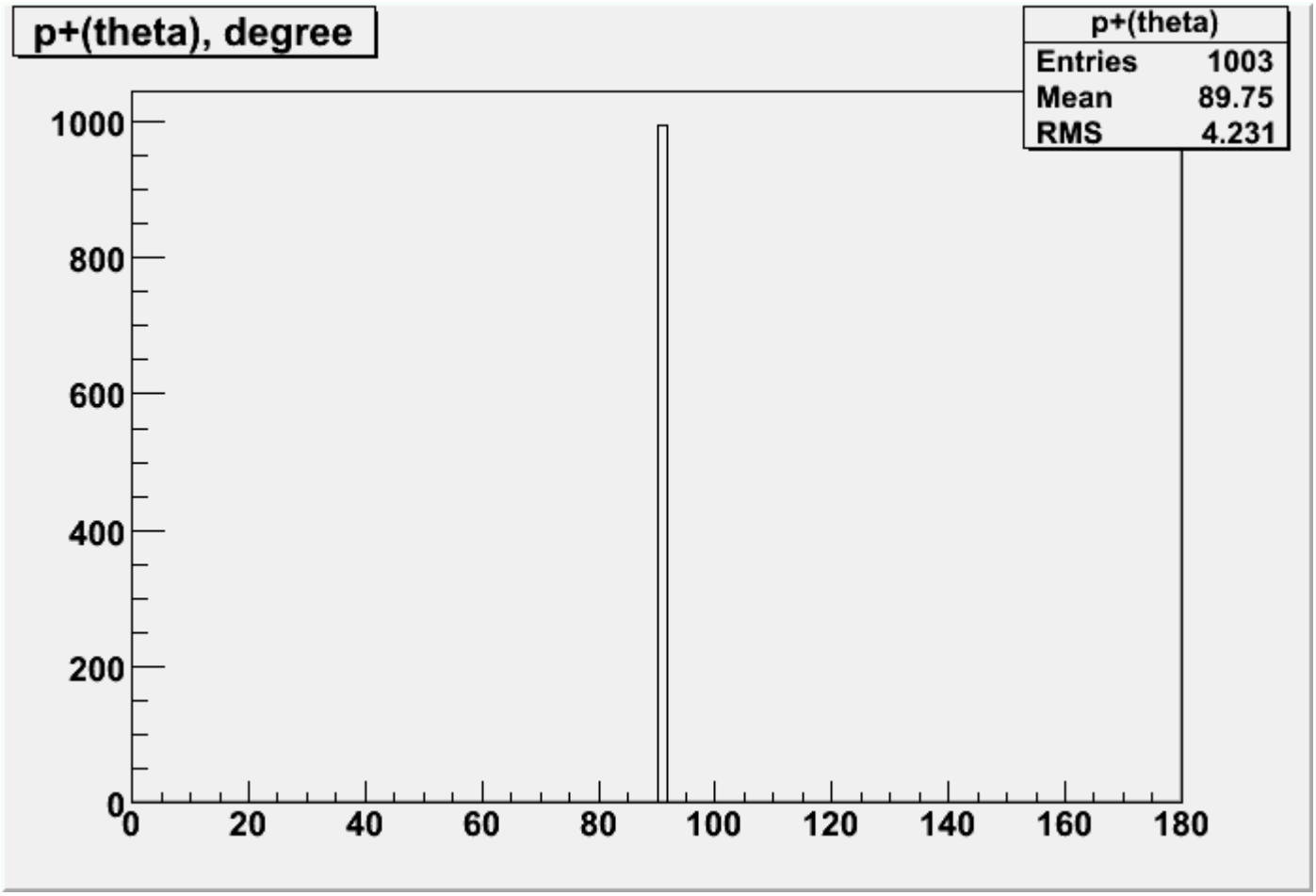
P.S. In the real simulation I will deal with low polar angles due to conservation laws. As far as I know, 15 degree is already acceptable for the Straw Tracker.

File Attachments

1) p-_60.png, downloaded 1322 times



2) p+_60.png, downloaded 1225 times


p+(theta), degree
p+(theta)
Entries 1003
Mean 89.75
RMS 4.231
1000
800
600
400
200
0
0
20
40
60
80
100
120
140
160
180