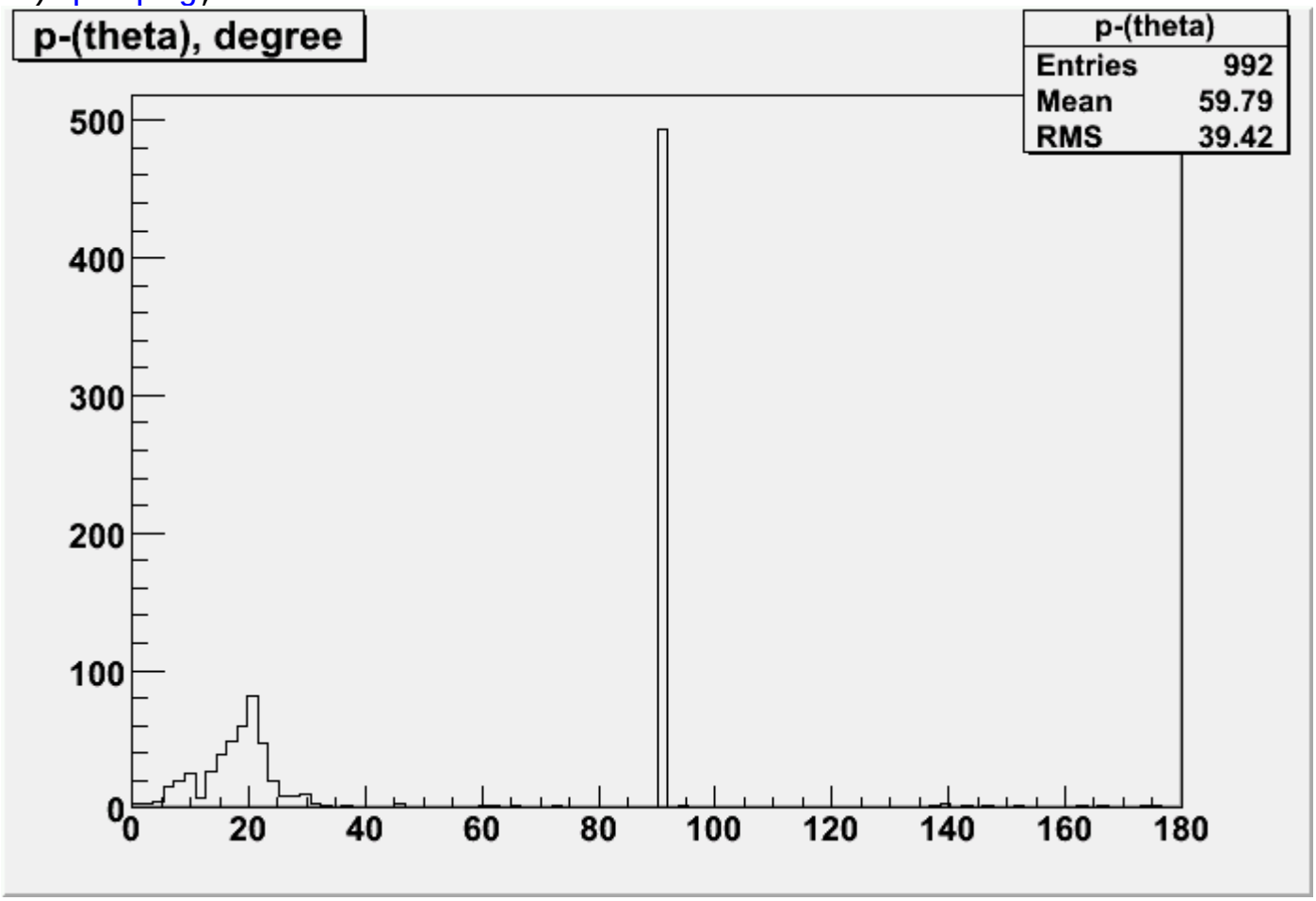
Subject: Re: Weird STT reconstruction: efficiency depends on charge
Posted by Andrew Savchenko on Thu, 17 Jan 2008 12:14:05 GMT
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I have just performed the same test for protons and result is similar:
polar angle for negatively charged particles (antiprotons) is reconstructed just for approximately 50% of events. And it is not reconstructed at all for positively charged particles (protons), only small noise is present.

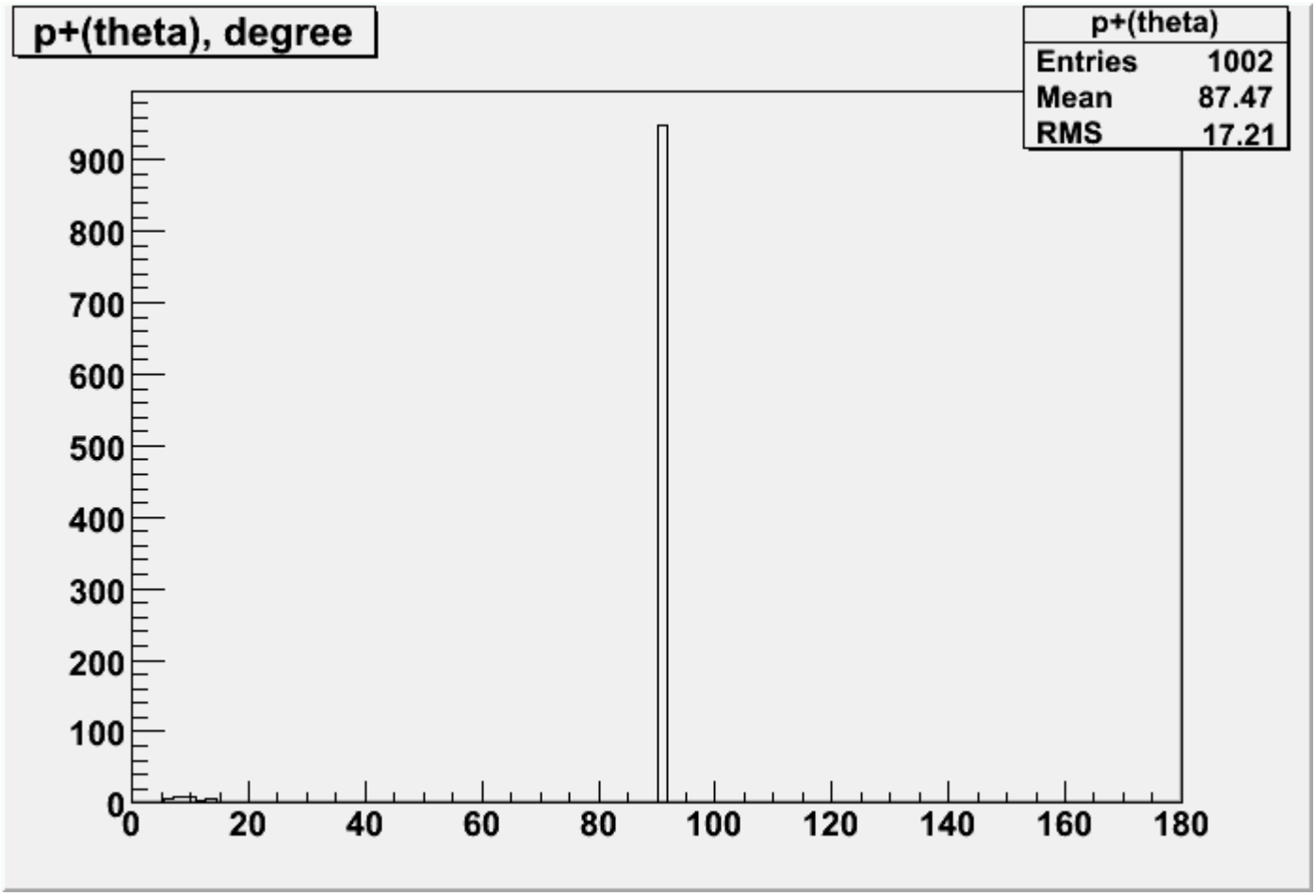
Corresponding plots are attached.

File Attachments

1) p-.png, downloaded 1306 times



2) p+.png, downloaded 1223 times


p+(theta), degree
p+(theta)
Entries 1002
Mean 87.47
RMS 17.21
900
800
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
140
160
180