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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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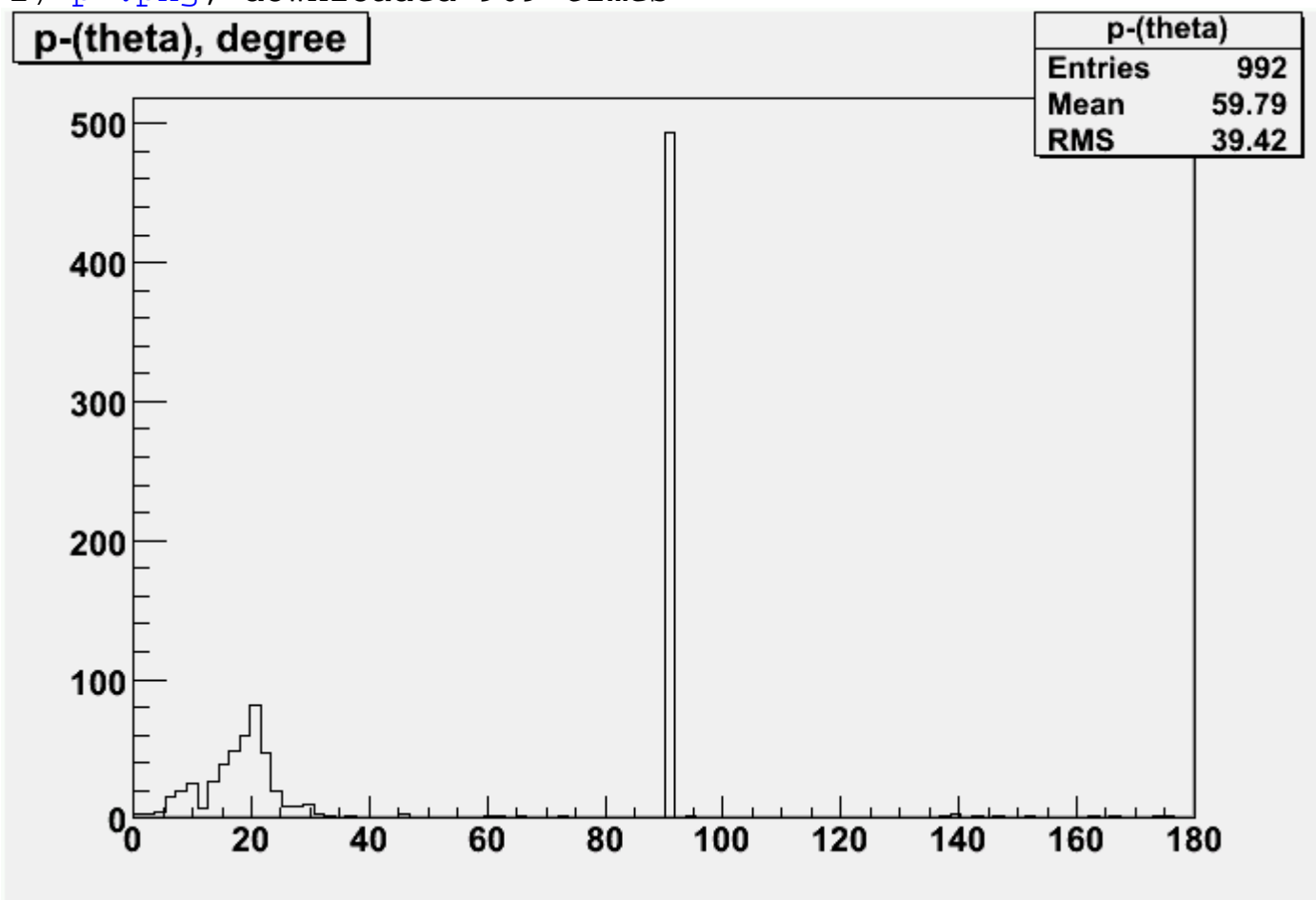
I have just performed the same test for protons and result is similar:  
polar angle for negatively charged particles (antiprotons) is reconstructed just for  
approximately 50% of events. And it is not reconstructed at all for positively charged particles  
(protons), only small noise is present.

Corresponding plots are attached.

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#### File Attachments

1) [p-.png](#), downloaded 969 times



2) [p+.png](#), downloaded 942 times

**p+(theta), degree**

p+(theta)	
Entries	1002
Mean	87.47
RMS	17.21

