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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.

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### File Attachments

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- 1) [p-\\_60.png](#), downloaded 459 times
  - 2) [p+\\_60.png](#), downloaded 430 times
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