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

Posted by [Pablo Genova](#) on Thu, 17 Jan 2008 14:50:44 GMT

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Dear Andrew,

what you see is really surprising.

I remember that, in the past, we had problems with the charge sign, but they were fixed!!

Did you check if, at least, the modulus of the momentum is reconstructed properly (for the positive particles)?

By the way how do you calculate the reco theta starting from the reconstructed momentum?

I guess you have to do some calculations to back propagate it at the vertex, right?

Your results suggest a bug in the zed reconstruction procedure,

I'll have a look into the problem and let you know.

Regards, Pablo

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