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Subject: Re: Tracking: Kalman Task with STT,(electron hypo)  
Posted by [Stefano Spataro](#) on Thu, 23 Dec 2010 11:57:19 GMT  
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Hi,  
the "right" choice is electron only if you consider a mathematical point of view... in analysis we need a better momentum reconstruction and from plots I would use muon hypothesis to have a better invariant mass peak. And it would be interesting to know why the momentum is much better in this case. Maybe also a plot of  $\chi^2/\text{ndf}$  would be interesting.

Moreover, "high" momenta are less sensitive to energy loss and particle hypothesis. I would be curious to see what is the difference at 0.5 GeV/c.

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