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Subject: Likelihood in PndMvdAdvancedPid Algorithm  
Posted by [donghee](#) on Wed, 31 Mar 2010 08:21:15 GMT  
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Hi MVD family!

I have a question about PndMvdAdvancedPidAlgo::CalcLikelihood

Is there some limitation to calculate likelihood with certain hypothesis. I found that upto 2.4 GeV some values of likelihoods can be found, but over 4 GeV all values are 0.2. Is there some reason? what is the meaning of 0.2, is it default value?

Thanks,  
Donghee

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Subject: Re: Likelihood in PndMvdAdvancedPid Algorithm  
Posted by [StefanoSpataro](#) on Wed, 31 Mar 2010 09:16:14 GMT  
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Well,  
MVD dE/dx works only at low momenta, below 800 MeV/c. With higher momentum values all the likelihood should be set to the same value ( $0.2 * 5 = 1$ ), because all the particle hyp are equivalent.

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