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Subject: Re: Charged Hits in Neutral List  
Posted by [Lu Cao](#) on Thu, 21 Aug 2014 14:21:57 GMT  
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Hi Stefano,

I just looked into the PidCorrelator code and found some reasons for -1:

- \* no MC or no MCindex found when ideal pid is used
  - \* cluster energy below emc barrel threshold 20 MeV
  - \* hit not come from emc or fsc
  - \* no propagation at module when geane is used
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- \*\* too low momenta ( $< 0.1$ ) or too high momenta ( $> 15$ )     // ?? why 0.1 GeV/c
  - \*\* track flag  $\leq 0$
  - \*\* no track info

And the "nearby" criteria of emcquality  $< 2500$  is distinguishing the neutral candidate and the track-correlated hit. Then, the track-correlated hit will be constructed as a charged candidate. Do I understand it right?

Best regards,  
Lu

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