
Subject: Re: combinations of pid algorithms

Posted by [Dmitry Khanef](#) on Wed, 16 May 2012 13:53:19 GMT

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Hm. I was following tutorial and found these lines

Quote:

...

```
theAnalysis->FillList( looseElectrons, "ElectronLoose",  
"PidAlgoEmcBayes;PidAlgoDrc;PidAlgoMvd");
```

In this case the probabilities for PID selection are achieved by multiplying the probability values of the chosen algorithms, i.e. $P_e = P_{e,1} \times P_{e,2} \times P_{e,3}$, etc.

The only case one can get increase in efficiency is if one of the probabilities >1 what is impossible. Am I right?
