
Subject: PID arrays in Fast Sim

Posted by [Klaus Götzen](#) on Thu, 10 Apr 2014 09:38:07 GMT

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Hi,

in the newest version of fsim also the individual PID arrays can be accessed. Available arrays are

PidChargedProbability : combination of all
ScEmcPidFSPProbability : EMC forward spectrometer
ScEmcPidFwCapProbability : EMC forward endcap
ScEmcPidBarrelProbability : EMC barrel
ScEmcPidBwCapProbability : EMC backward endcap
DrcBarrelProbability : Barrel DIRC
DrcDiscProbability : Disc DIRC
MvdPidProbability : MVD
SttPidProbability : STT
RichProbability : RICH
ScMdtPidBarrelProbability : MUO barrel
ScMdtPidForwardProbability : MUO endcap

Usage is as before, e.g.

```
theAnalysis->FillList(pidall, "Charged", "PidChargedProbability");  
theAnalysis->FillList(pidemc, "Charged",  
"ScEmcPidFSPProbability;ScEmcPidFwCapProbability;ScEmcPidBarrelProbability;ScEmcPidB  
wCapProbability");  
theAnalysis->FillList(piddrc, "Charged", "DrcBarrelProbability");  
theAnalysis->FillList(piddisc, "Charged", "DrcDiscProbability");  
Best,  
Klaus
```