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Subject: Re: Fixed bug in fsm  
Posted by [Klaus Götzen](#) on Fri, 30 May 2014 06:44:47 GMT  
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Hi Donghee,

the detector information stored (and simulated!) in Fast Sim is rather sparse, because it's not so simple to parametrize everything. You can only find selected ones, which are (see here: <https://subversion.gsi.de/trac/fairroot/browser/pandaroot/release/scrut14/fsm/PndFsmResponse.h#L148>)

```
double _m2;           //square of particle mass in Tof
double _MvddEdx;      //dEdx in Mvd
double _TpcdEdx;      //dEdx in Tpc
double _SttdEdx;      //dEdx in Stt
double _DrcDiscThtc;  //Theta_c Disc Dirc
double _DrcBarrelThtc; //Theta_c Barrel Dirc
double _RichThtc;     //Theta_c Rich
double _EmcEcal;      //calibrated energy deposit in calorimeter
double _Muolron;      //penetration depth in Muon detector iron
```

Since we don't use PID ToF in the moment, m2 is not filled at the moment (as well as the dE/dx value from TPC, which is still in the interface).

Best,  
Klaus

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