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Subject: Ideal Tracking Tasks

Posted by [Ralf Kliemt](#) on Wed, 20 Mar 2013 12:21:20 GMT

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Dear trackers.

There are now two ideal tracking tasks. The concept is to match hits from STT or FTS to MC tracks and adding MVD+GEM hits afterwards.

The packages & classes are:

```
sttmvdtracking/PndSttMvdGemTrackingIdeal  
fts/PndFtsTrackerIdeal
```

Set your track output branch with:

```
SetTrackOutput("...")
```

Smearing can be introduced by:

```
SetMomentumSmearing(spx,spy,spz)  
SetRelativeMomentumSmearing(dp/p)  
SetVertexSmearing(svx,svy,svz)  
SetTrackingEfficiency(epsilon)
```

One can deactivate the additional detectors by:

```
SetMvdActivity(kFALSE)  
SetGemActivity(kFALSE)
```

Cheers.

Ralf

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