Subject: Re: Covariance Matrices in RhoCandidates
Posted by Ralf Kliemt on Fri, 04 Apr 2014 14:09:30 GMT
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Hello Simon,

You could go with the track parameters defined at the "first" hit of the measured trajectory:

```
PndPidCandidate* pidCand = (PndPidCandidate*)cand->GetRecoCandidate();
PndTrack* track = ( PndTrack* ) tca->At ( pidCand->GetTrackIndex() );

FairTrackParP* firstpar = track->GetParamFirst();
```

Then access the things via: GetX(), GetDX(), GetPx(), GetDPx() (and the other coordinates similar).
Header of FairTrackPar: here.

For the non-diagonal elements, i.e. the covariance matrix:

```
Double_t fistparCov[6][6];
firstpar->GetMARSCov(firstparCov); //cov is being filled here
```

If you want to access the prefit do this:

```
PndTrackCand* mytcand = track->GetTrackCandPtr();
```

Cheers
Ralf