
Subject: Re: Kalman low efficiency

Posted by [Susanna Costanza](#) on Thu, 02 Jun 2011 11:07:41 GMT

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Hi,

for each event, I do the following:

```
for (Int_t k = 0; k < kalfit->GetEntriesFast(); k++) {  
    kalTrack = (PndTrack*) kalfit->At(k);  
    if (!kalTrack) continue;  
    if (kalTrack->GetFlag() < 0) continue;
```

where kalfit is the TClonesArray of PndTracks produced by the Kalman:

```
TClonesArray *kalfit = new TClonesArray("PndTrack");  
reco->SetBranchAddress("SttMvdGenTrack", &kalfit);
```

Then, if the track is a primary track (I check the MCTrackId of the corresponding TrackCand), I fill the histogram of the momentum distribution:

```
hgen->Fill(kalTrack->GetParamFirst().GetMomentum().Mag());
```

Susanna
