
Subject: Re: Update on eta_c reconstruction with STT and TPC
Posted by [Stefano Spataro](#) on Mon, 27 Jun 2011 13:16:48 GMT
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This is the output of the tpcrimanntask if i set the DEBUG to 1:

```
pdg: 211 charge: 3.000
MC pid pdg: -11 charge: 3.000
charge corrected MC pid pdg: -11
  center of track TVector3 A 3D physics vector (x,y,z)=(12.483792,3.663404,0.000000)
(rho,theta,phi)=(13.010211,90.000000,16.354474)
  Radius of track [cm]: 3.778
  Dip of track [deg]: 46.17
  seed values:
    start position: TVector3 A 3D physics vector (x,y,z)=(14.202656,7.027931,25.054993)
(rho,theta,phi)=(29.645572,32.311851,26.327688)
    momentum [GeV]: 0.03149
    p_perp [GeV]: 0.02272
    direction: TVector3 A 3D physics vector (x,y,z)=(0.642457,-0.328217,-0.692476)
(rho,theta,phi)=(1.000000,133.826418,-27.061496)
    winding: 1
    invertedTrack: 0
    pdg id: -11
Tracklet 3 nhits = 48
pdg: 211 charge: 3.000
MC pid pdg: 22 charge: 0.000
charge corrected MC pid pdg: -22
  center of track TVector3 A 3D physics vector (x,y,z)=(1.549914,37.385460,-0.000000)
(rho,theta,phi)=(37.417574,90.000000,87.626011)
  Radius of track [cm]: 37.18
  Dip of track [deg]: 24.07
  seed values:
    start position: TVector3 A 3D physics vector (x,y,z)=(-15.273078,4.230596,35.533201)
(rho,theta,phi)=(38.907239,24.037374,164.517430)
    momentum [GeV]: 0.5482
    p_perp [GeV]: 0.2236
    direction: TVector3 A 3D physics vector (x,y,z)=(-0.363711,0.184549,0.913047)
(rho,theta,phi)=(1.000000,24.070050,153.096469)
    winding: 1
    invertedTrack: 1
    pdg id: -22
RKTrackRep::setPDG particle -22 not known to TDatabasePDG -> abort
```

maybe it could help somehow.
