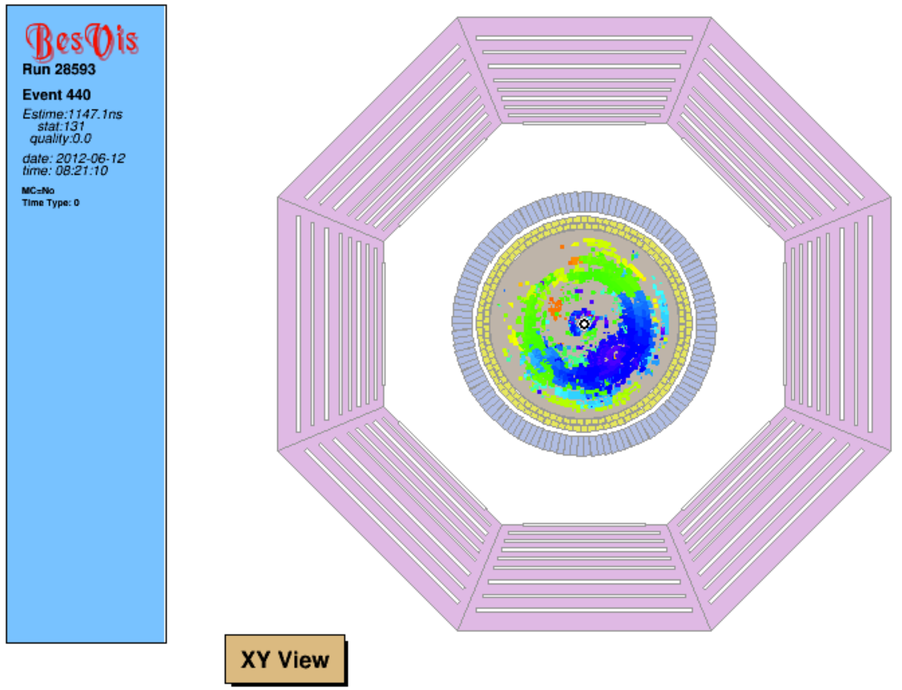
/Reconstruction/MdcPatRec/MdcxReco/MdcxReco-00-01-59/src/MdcxTrkFinder.cxx

MdcxFindTracks dctrks(seglist,m_debug);这行代码导致运行变慢

重建文件为bes3fs/offline/data/raw/round05/120613/run_0028593_All_file001_SFO-1.raw

event_num = 327 Trk_Finder time = 12017.5 hit_num = 193
event_num = 440 Trk_Finder time = 66690.53125 hit_num = 614
event_num = 695 Trk_Finder time = 2091.24 hit_num = 86
event_num = 1317 Trk_Finder time = 2440.09 hit_num = 113
event_num = 2464 Trk_Finder time = 5180.13 hit_num = 538
event_num = 5195 Trk_Finder time = 18666.71484375 hit_num = 295

event 440


BesVis
Run 28593
Event 440
Estime:1147.1ns
stat:131
quality:0.0
date: 2012-06-12
time: 08:21:10
MC=No
Time Type: 0
XY View

/bes3fs/offline/data/raw/round10/170128/run_0048716_All_file001_SFO-1.raw

在事例号为814 这个事例里，重建时

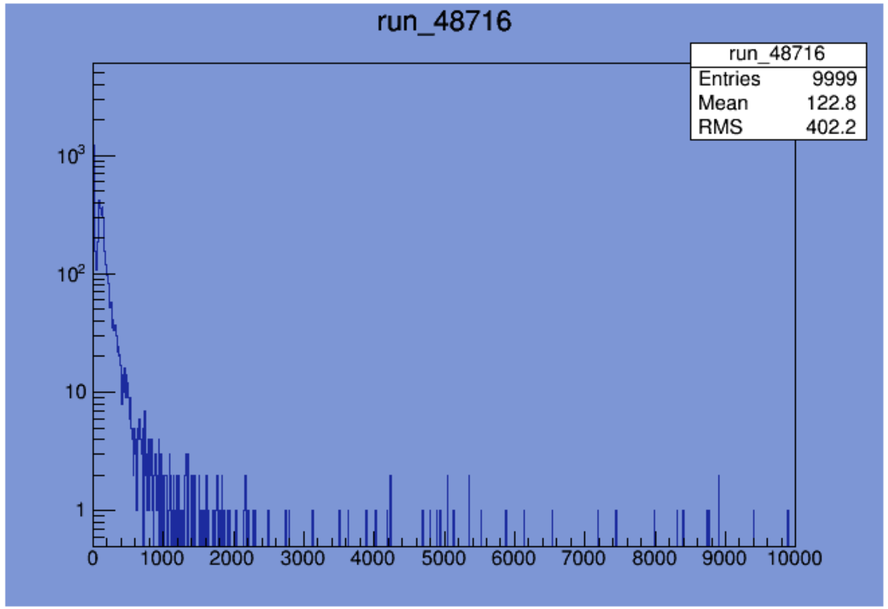
/Reconstruction/TrkReco/TrkReco-00-08-59-patch4-slc6/src/TrkReco.cxx

```
for(int ii=0;ii<nmax;ii++){

        ndrop=rr->DropWorst();
        if(ndrop)err=_rkfitter.fit(*rr);
        if(err)break;
       }
```

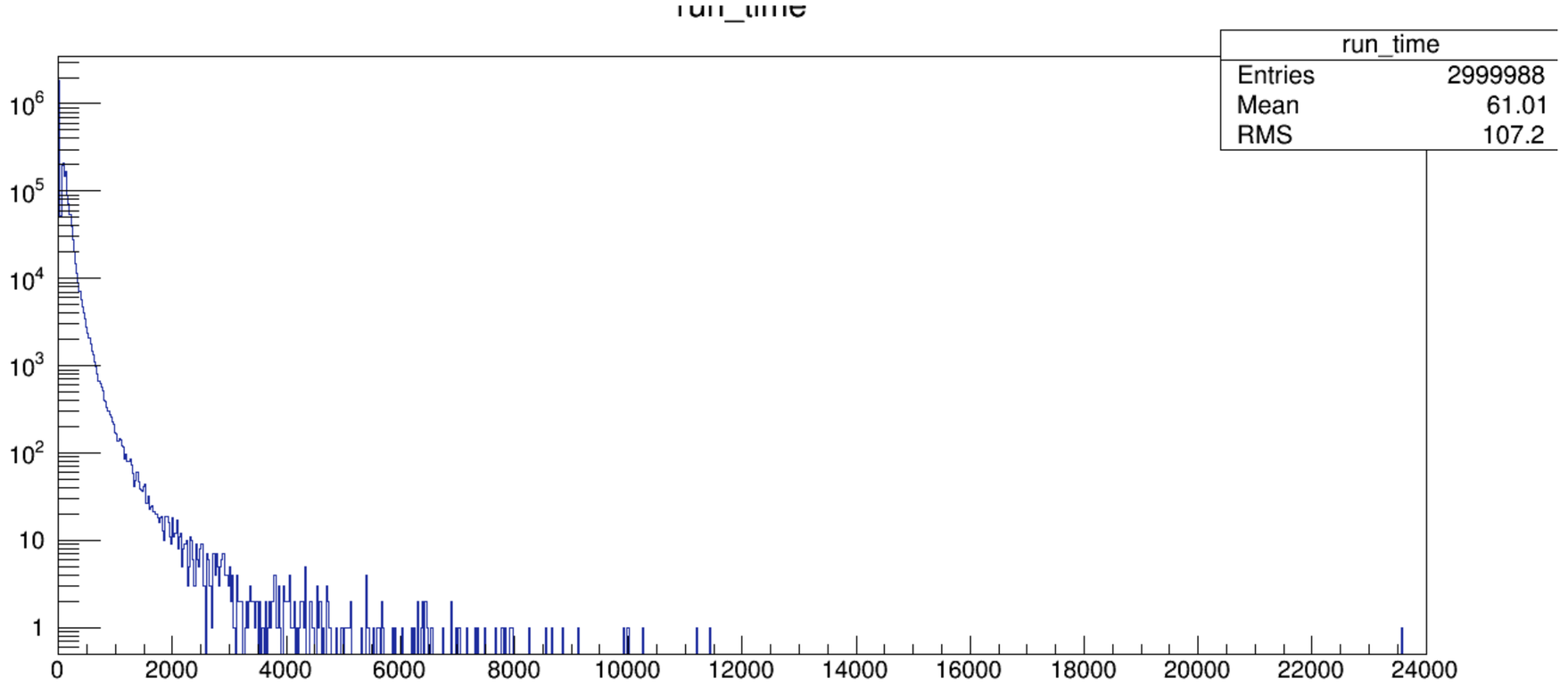
该循环一般进行十多次，每次正常为数毫秒，但是在这个事例，每次循环进行几十毫秒(击中数501)

```
circle time = 64.484
circle time = 63.55
circle time = 104.867
circle time = 66.828
circle time = 79.757
circle time = 77.003
circle time = 99.581
circle time = 104.562
circle time = 94.2
circle time = 100.899
```



事例数：5000　　重建时间>400ms:3%　　占总时间：40%

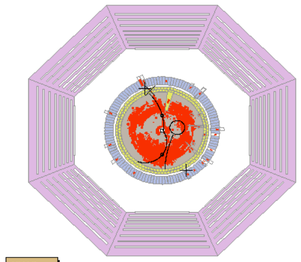
删除MdcxFindTracks



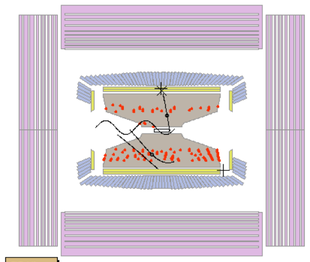
事例数：200多万　　重建时间>400ms:1.5%　　占总时间：12%

Run 28604
Event 1075548
Estime:330.7ns *stat:111* *quality:1.0*
date: 2012-06-13 *time: 03:46:28*
MC=No Time Type: 0

BesVis



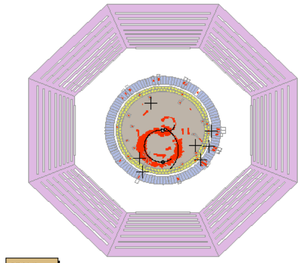
XY View



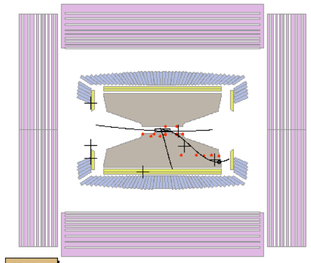
ZR View

Run 28604
Event 1165721
Estime:322.7ns *stat:131* *quality:0.0*
date: 2012-06-13 *time: 03:48:21*
MC=No Time Type: 0

BesVis



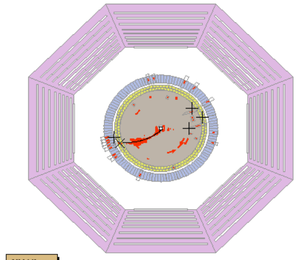
XY View



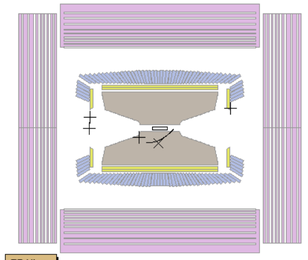
ZR View

Run 28604
Event 1054567
Estime:330.7ns *stat:111* *quality:1.0*
date: 2012-06-13 *time: 03:46:02*
MC=No Time Type: 0

BesVis

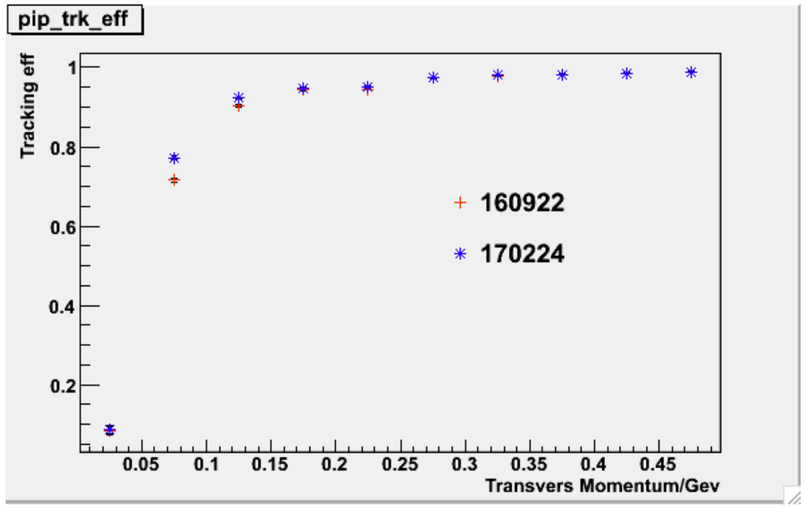


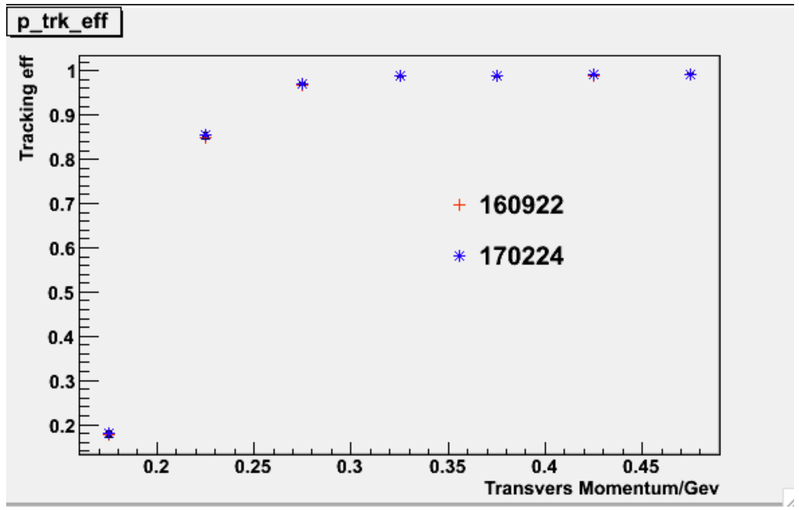
XY View

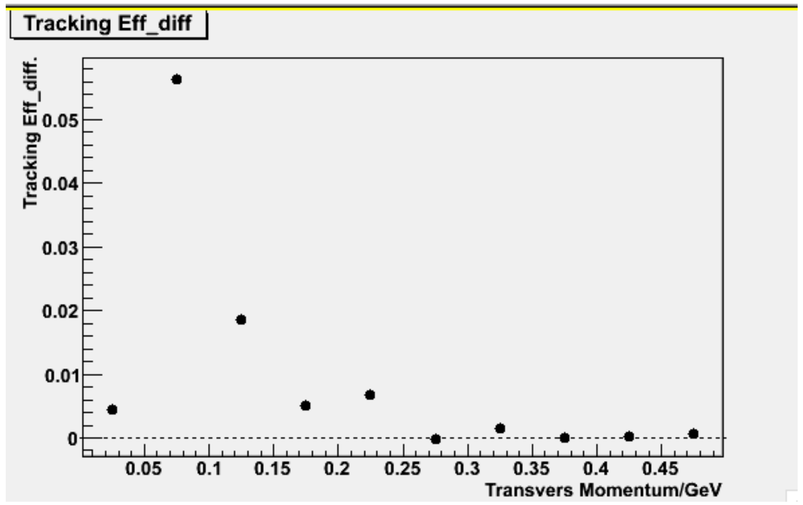


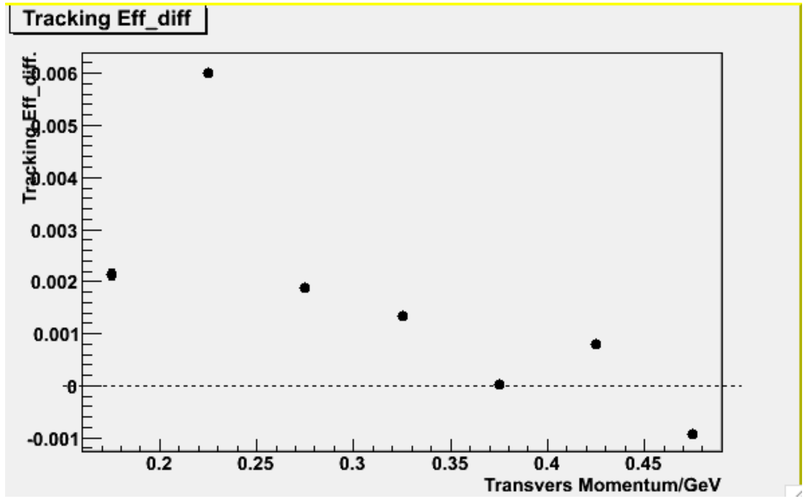
ZR View

PPPiPi

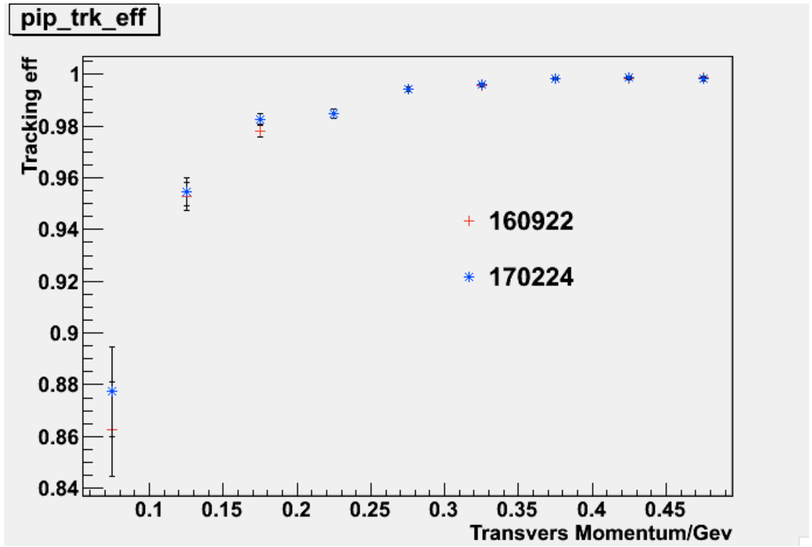

pip_trk_eff
Tracking eff
160922
170224
Transvers Momentum/Gev

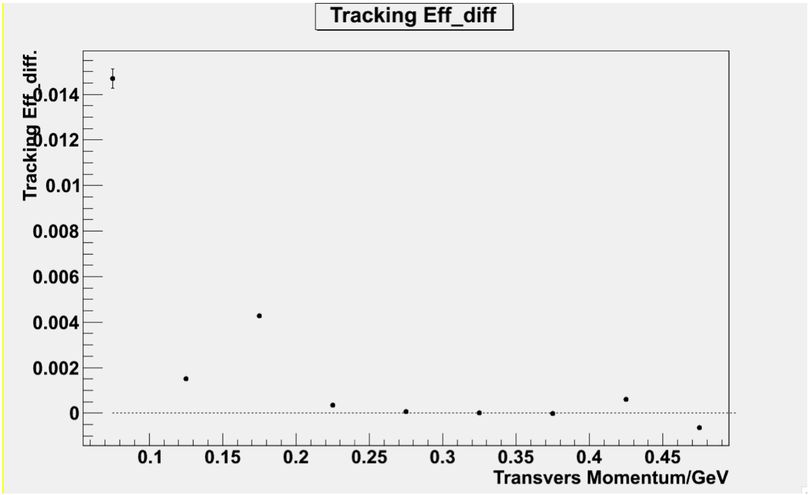

p_trk_eff
Tracking eff
160922
170224
Transvers Momentum/Gev


Tracking Eff_diff
Tracking Eff_diff.
Transvers Momentum/GeV

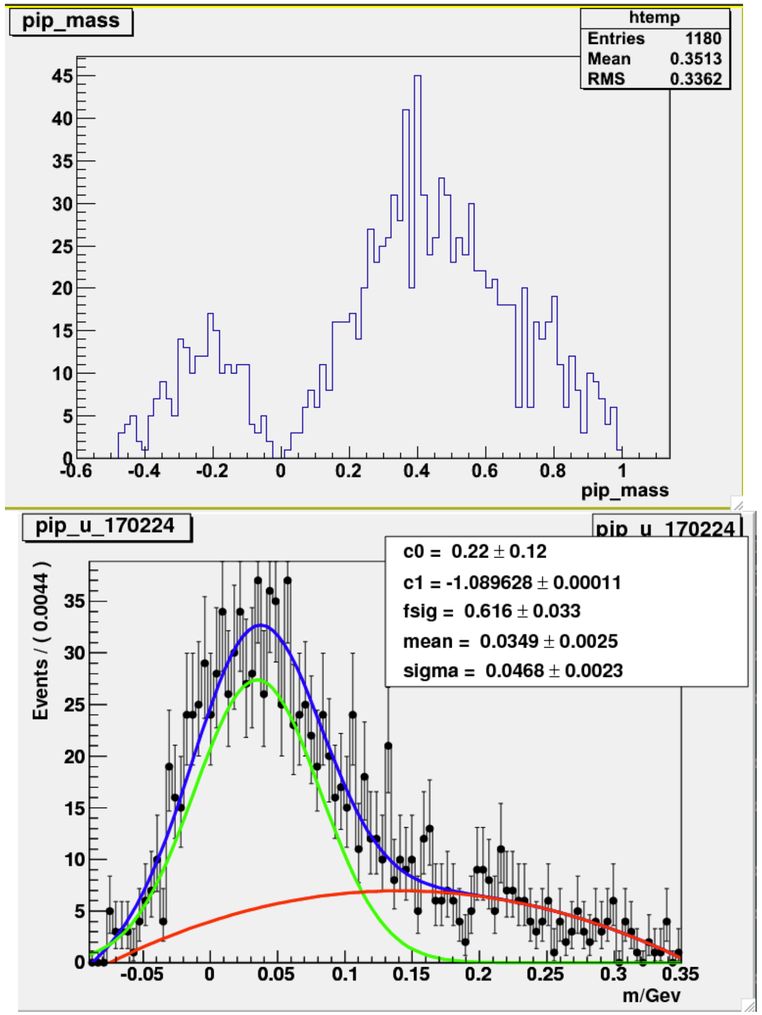

Tracking Eff_diff
Tracking Eff_diff.
Transvers Momentum/GeV

Rhopi

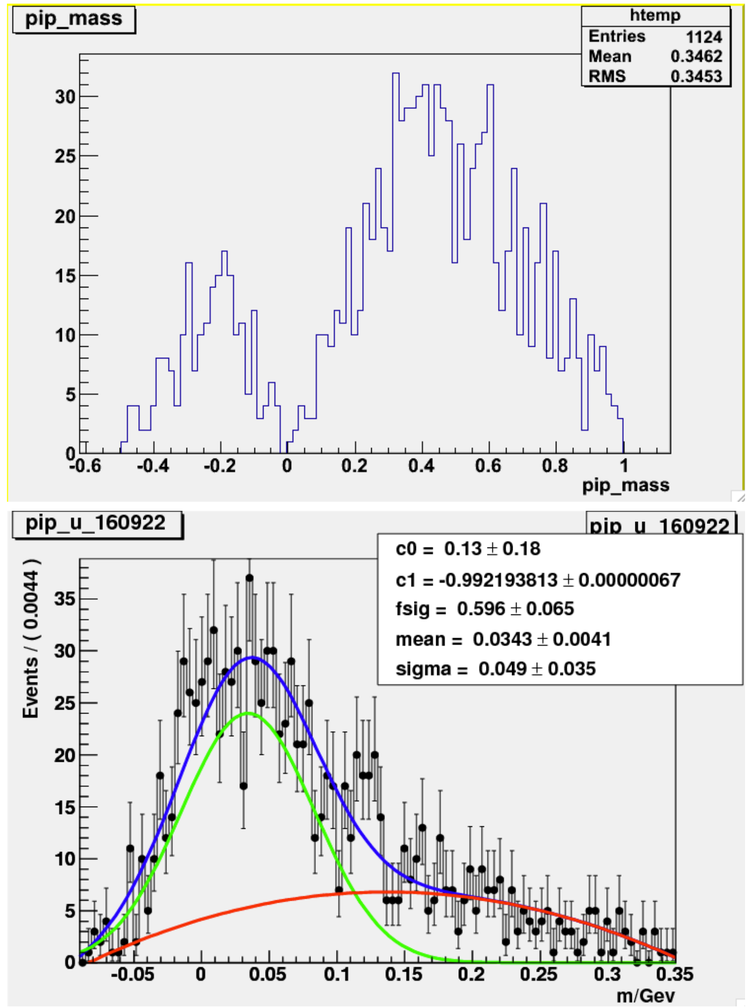

pip_trk_eff
Tracking eff
1
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
Transvers Momentum/Gev
160922
170224


Tracking Eff_diff
Tracking Eff_diff.
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
Transvers Momentum/GeV

Rhopi中的低动量的反冲质量分辨



pim<0.2



pim<0.2