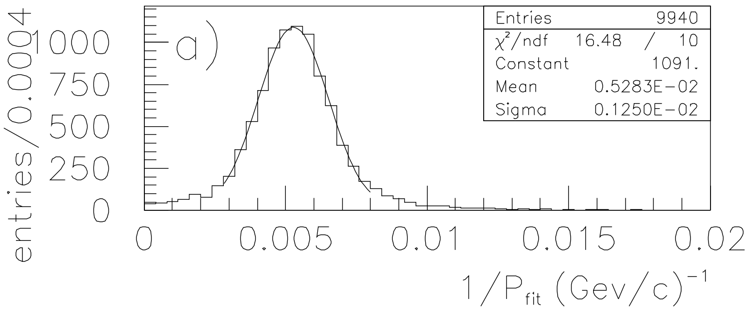
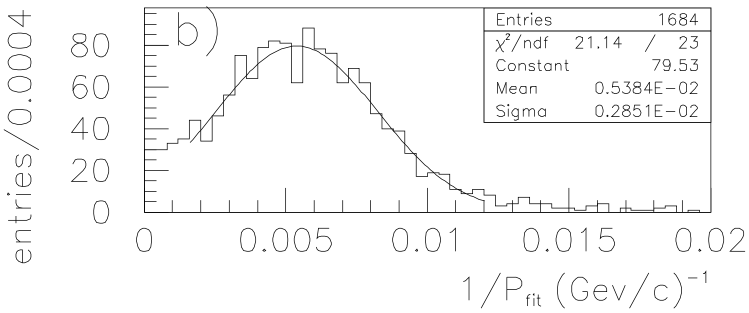
Muon reconstruction

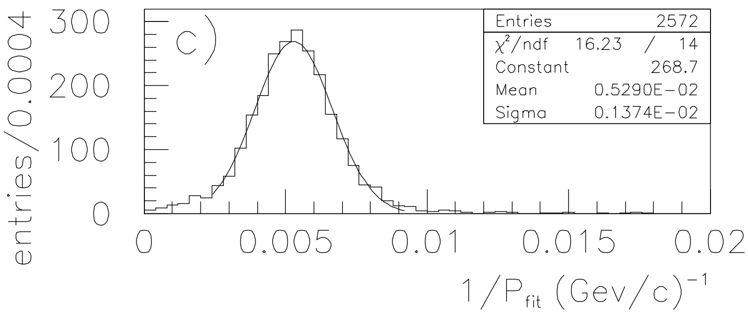
Pattern recognition and momentum fit *(no vertex constraint)*
Kalman Filter based method by Padova *(CMS TN/94–298)*
not finally optimised yet – results can be further improved
200 GeV muons + secondaries



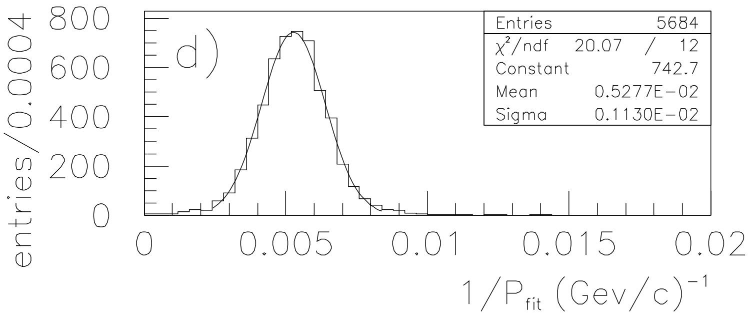
all events
99.4 %
dp/p = 0.25



2 stations
16.8 %
dp/p = 0.57



3 stations
25.7 %
dp/p = 0.27



4 stations
56.8 %
dp/p = 0.23