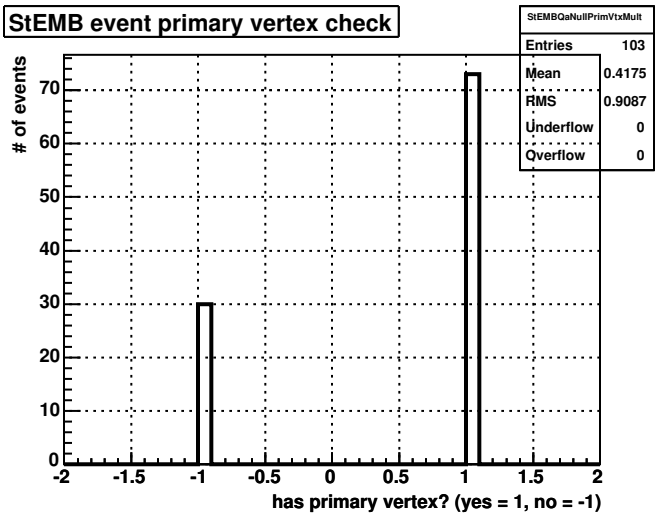
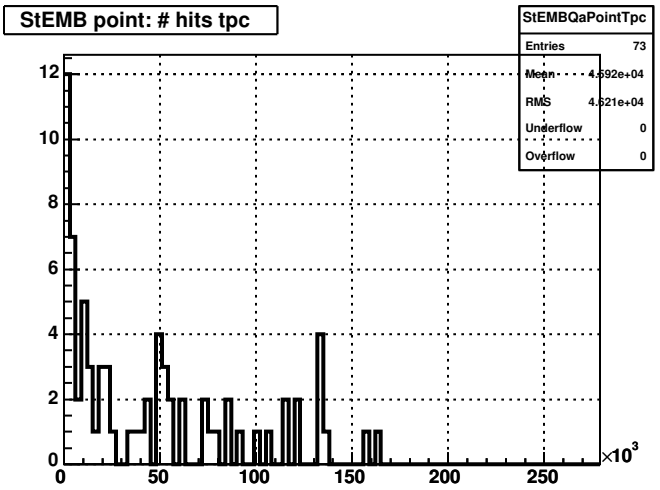
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

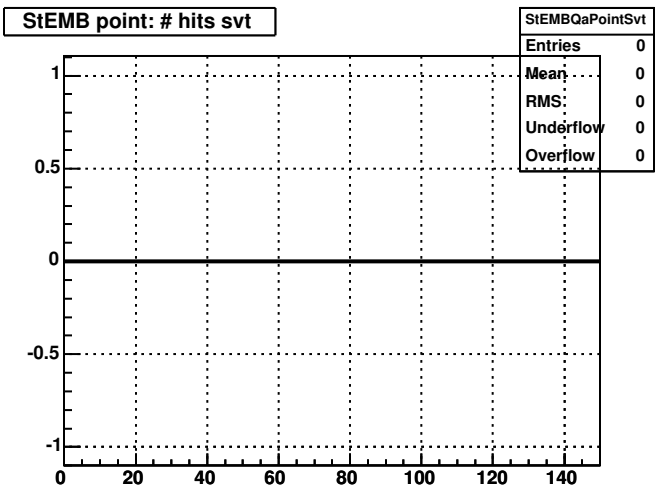
StEMB event primary vertex check



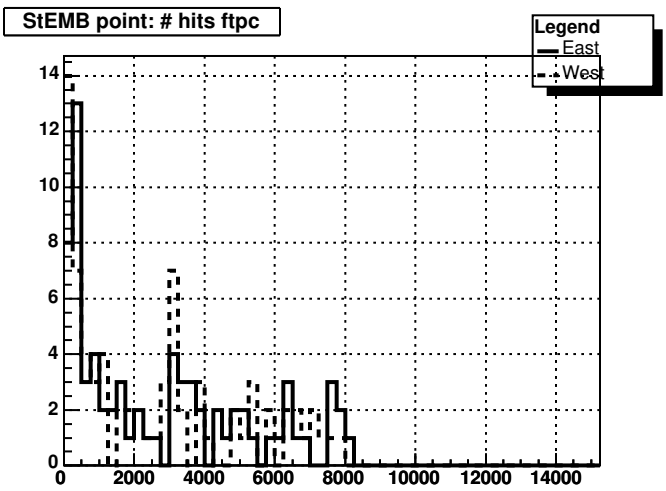
StEMB point: # hits tpc



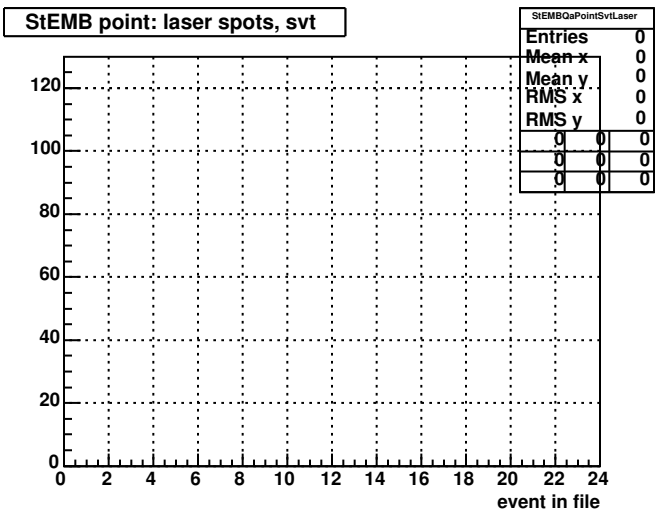
StEMB point: # hits svt



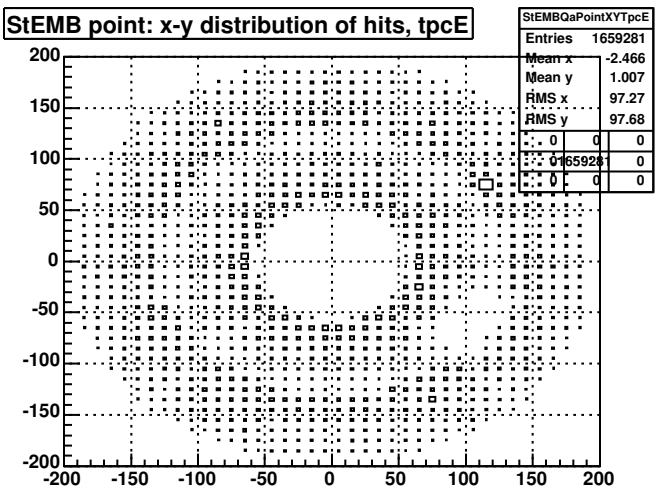
StEMB point: # hits ftpc



StEMB point: laser spots, svt



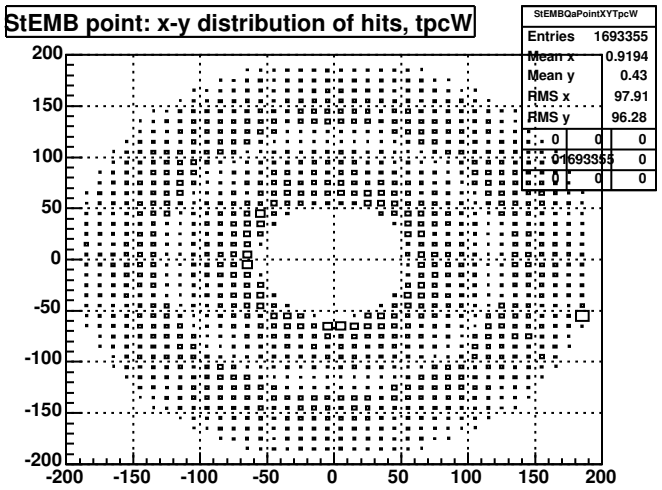
StEMB point: x-y distribution of hits, tpcE



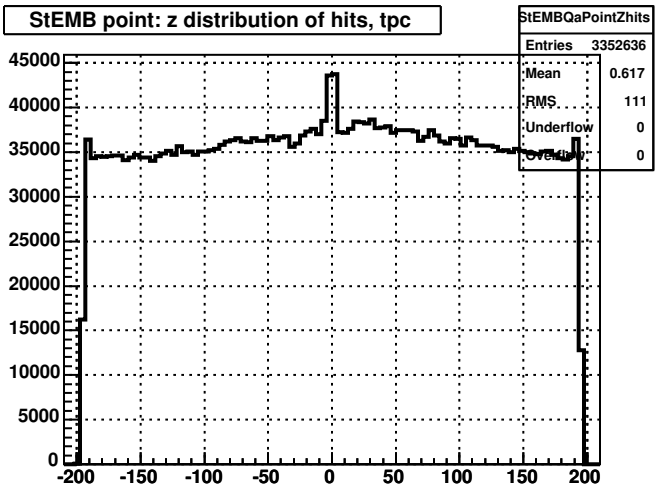
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

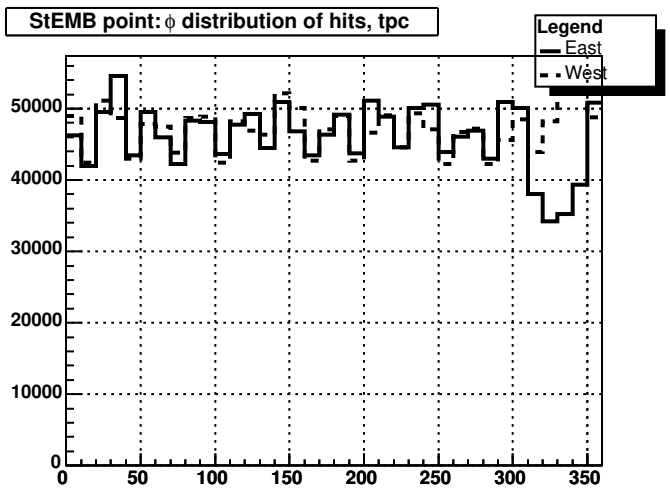
StEMB point: x-y distribution of hits, tpcW



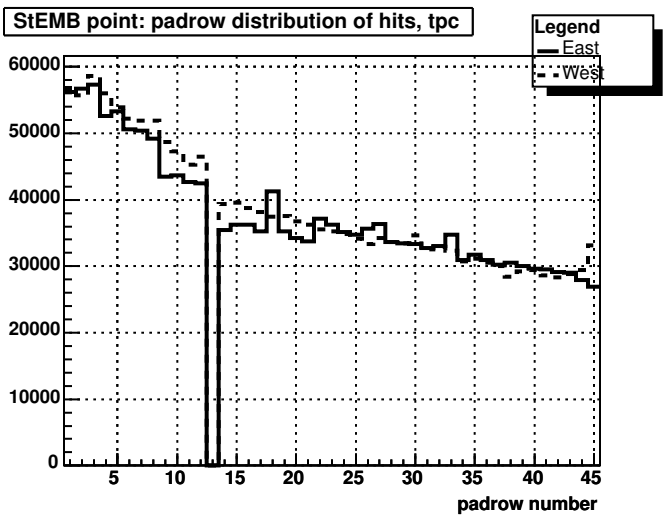
StEMB point: z distribution of hits, tpc



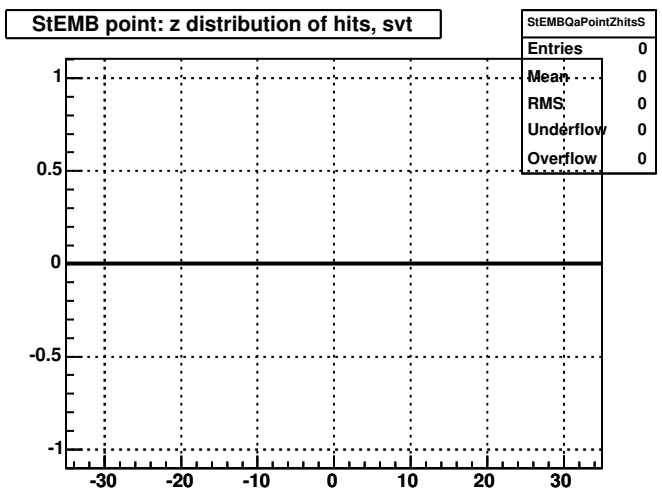
StEMB point: ϕ distribution of hits, tpc



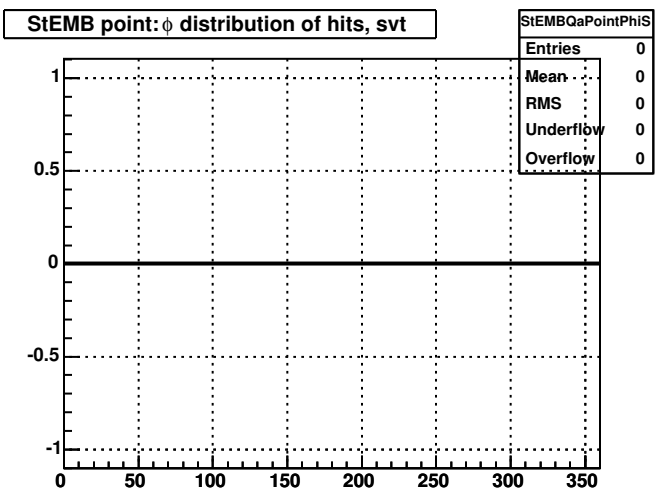
StEMB point: padrow distribution of hits, tpc



StEMB point: z distribution of hits, svt



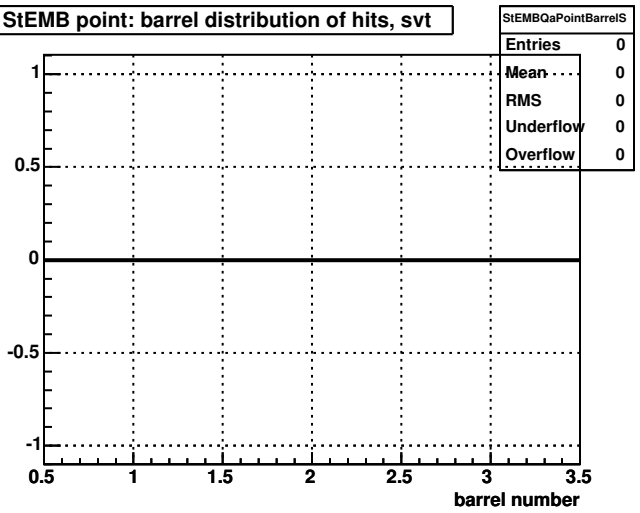
StEMB point: ϕ distribution of hits, svt



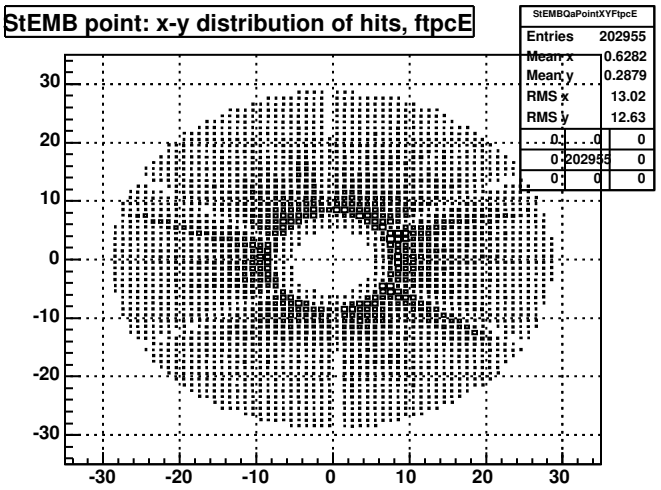
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

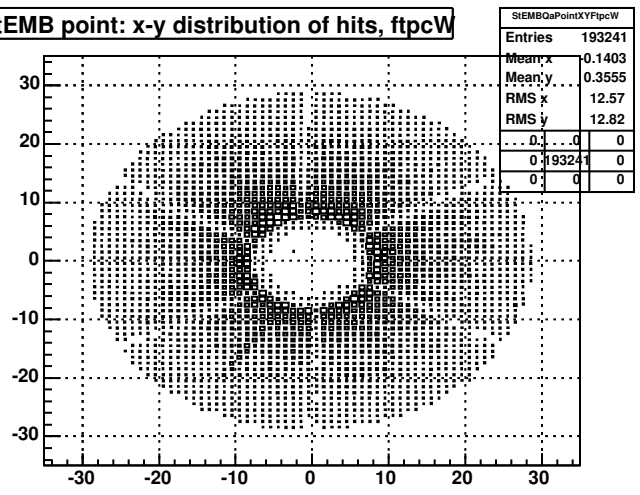
StEMB point: barrel distribution of hits, svt



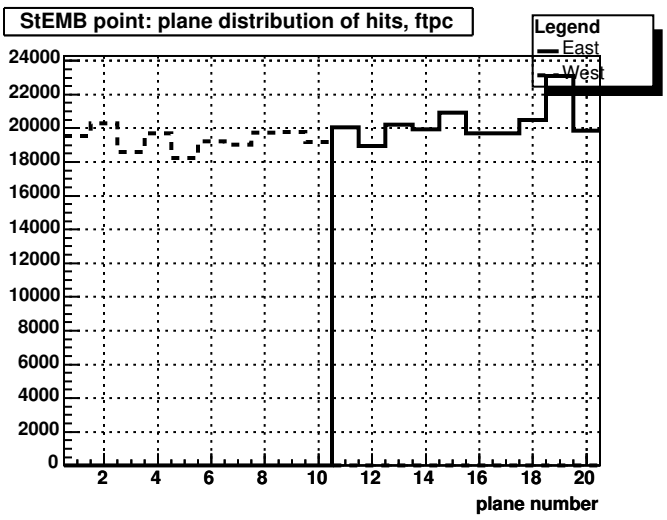
StEMB point: x-y distribution of hits, ftpcE



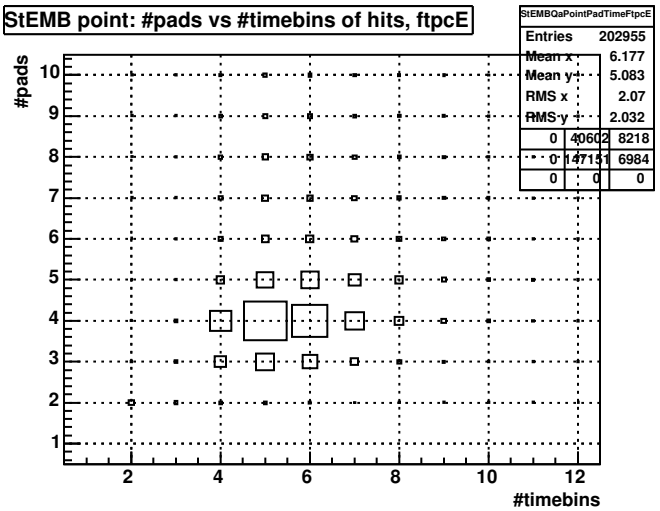
StEMB point: x-y distribution of hits, ftpcW



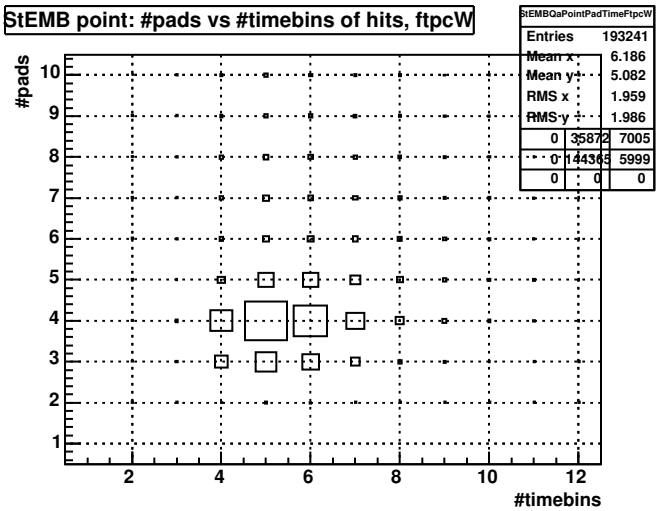
StEMB point: plane distribution of hits, ftpc



StEMB point: #pads vs #timebins of hits, ftpcE



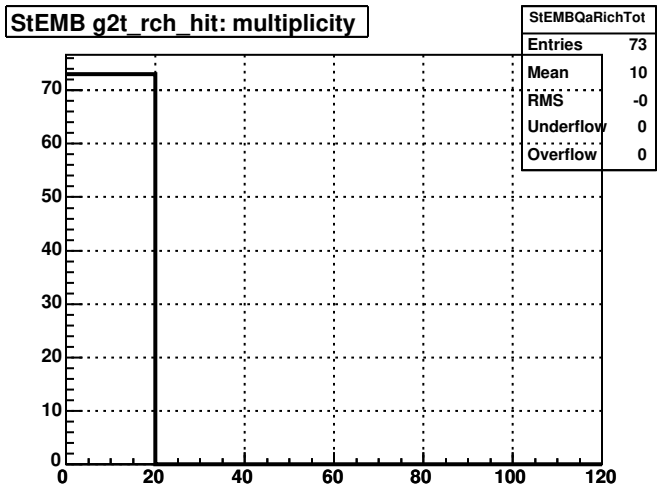
StEMB point: #pads vs #timebins of hits, ftpcW



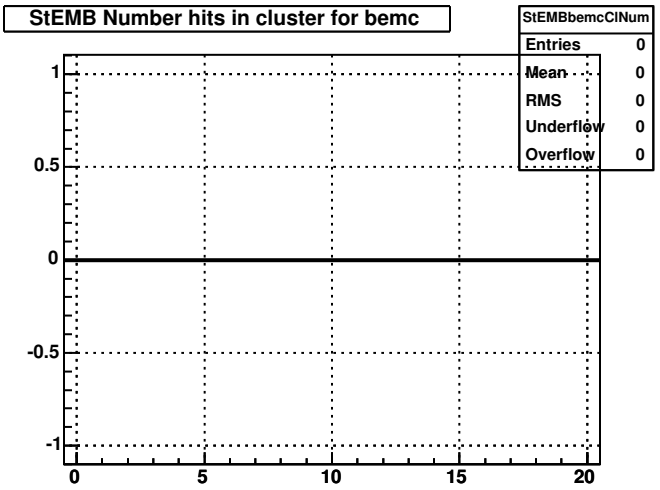
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

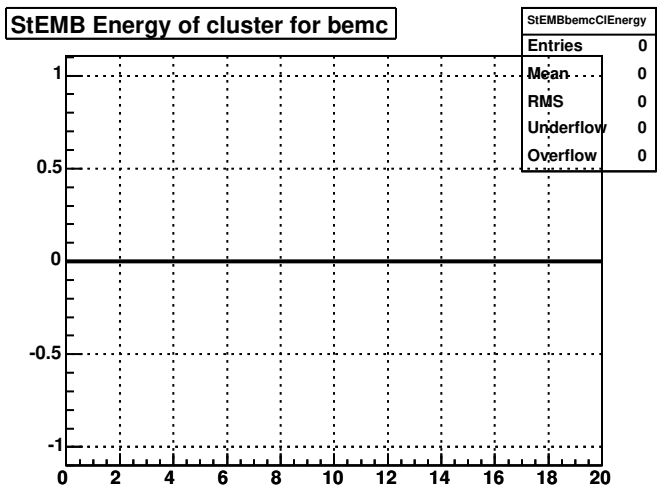
StEMB g2t_rch_hit: multiplicity



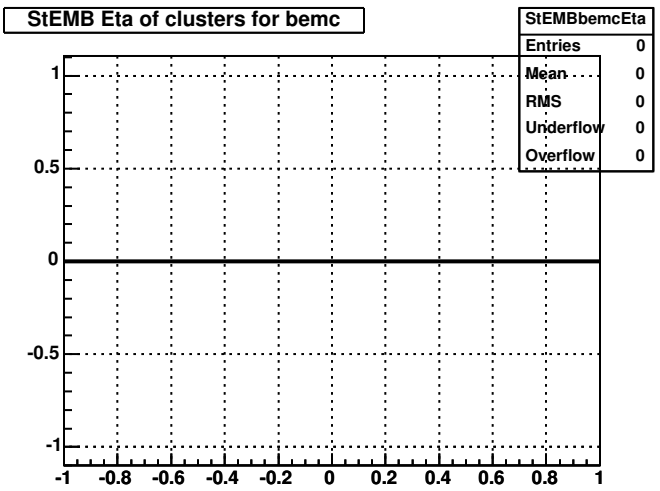
StEMB Number hits in cluster for bemc



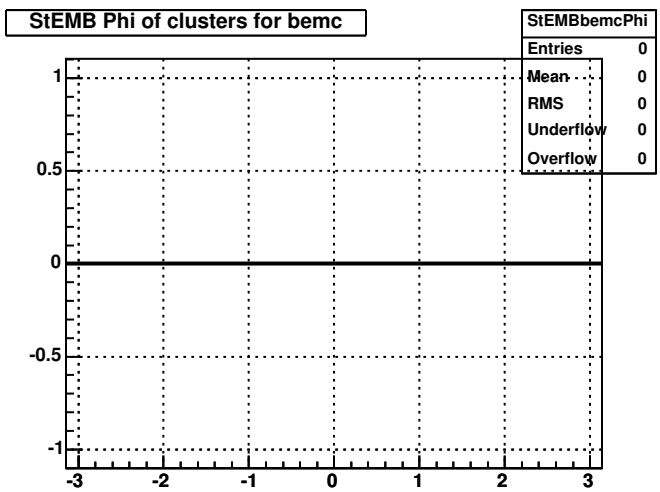
StEMB Energy of cluster for bemc



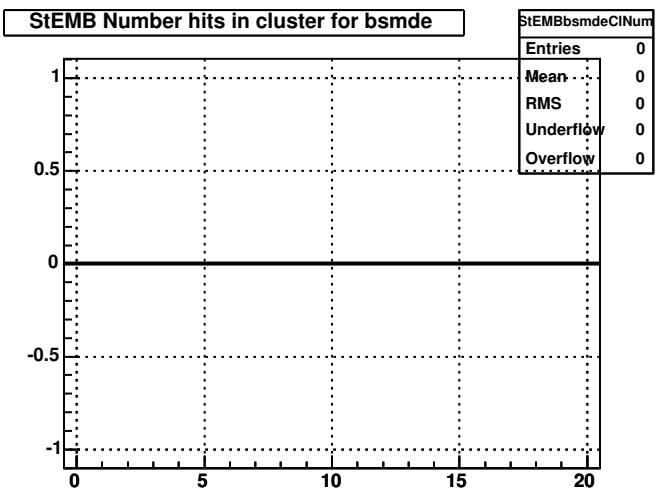
StEMB Eta of clusters for bemc



StEMB Phi of clusters for bemc



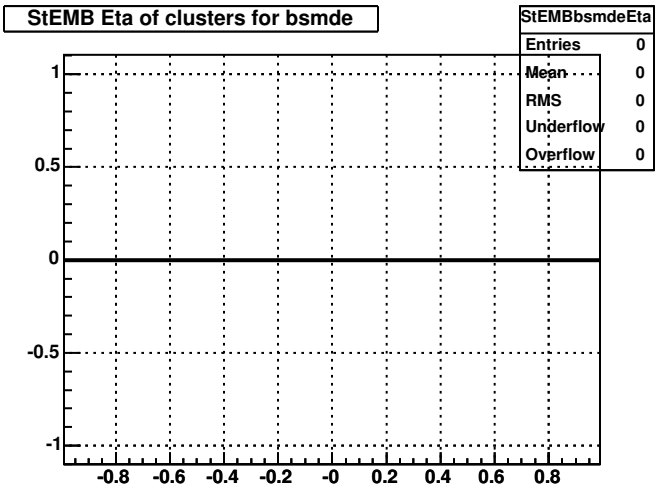
StEMB Number hits in cluster for bsmde



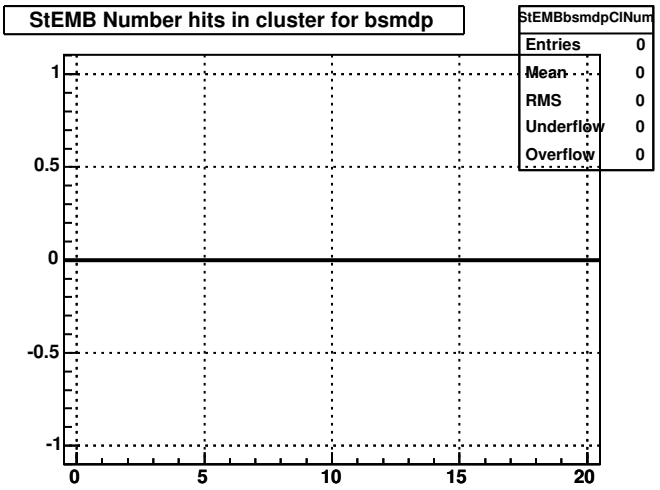
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

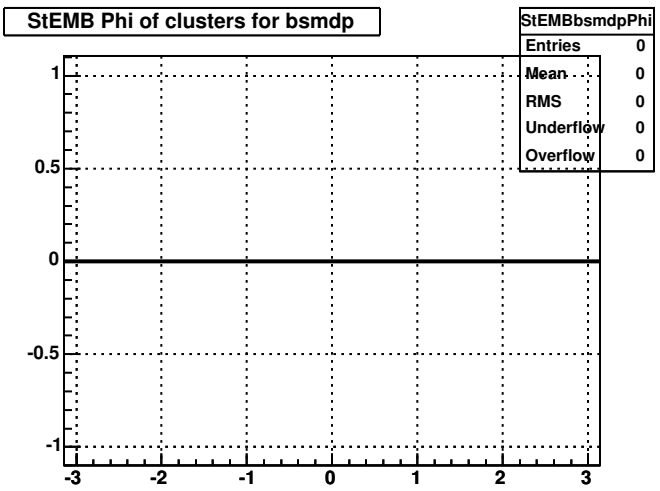
StEMB Eta of clusters for bsmde



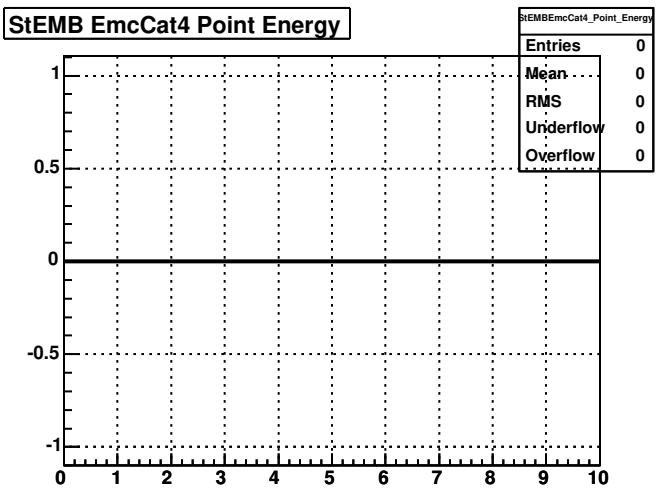
StEMB Number hits in cluster for bsmdp



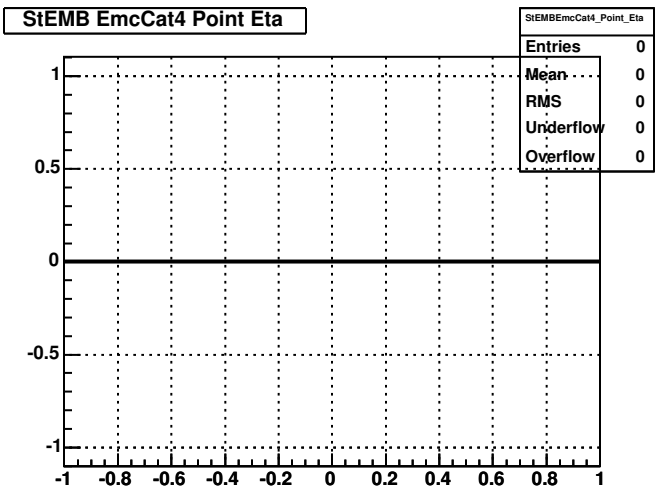
StEMB Phi of clusters for bsmdp



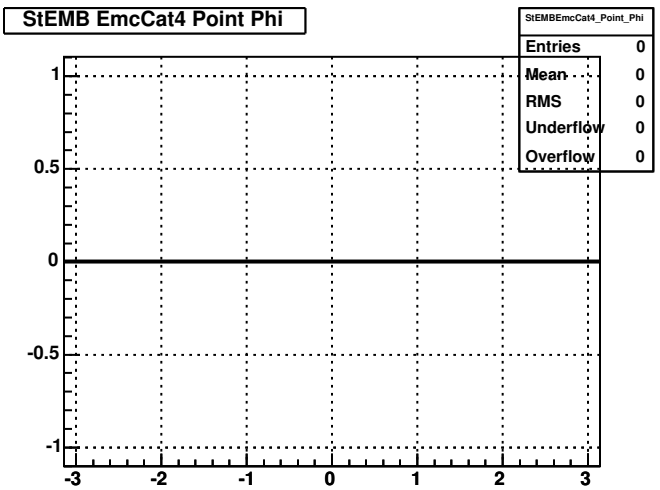
StEMB EmcCat4 Point Energy



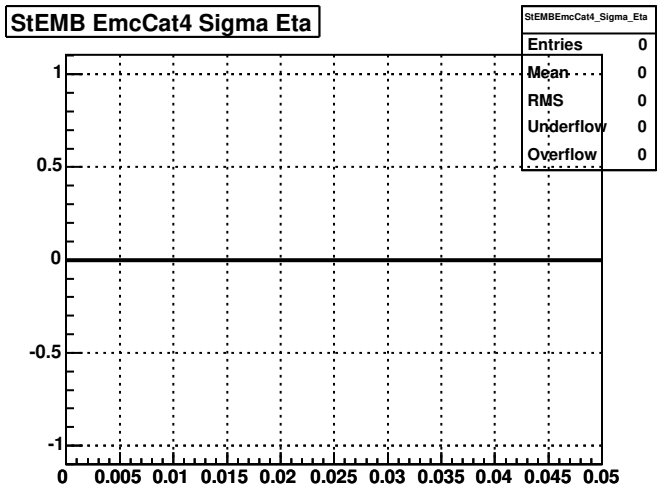
StEMB EmcCat4 Point Eta



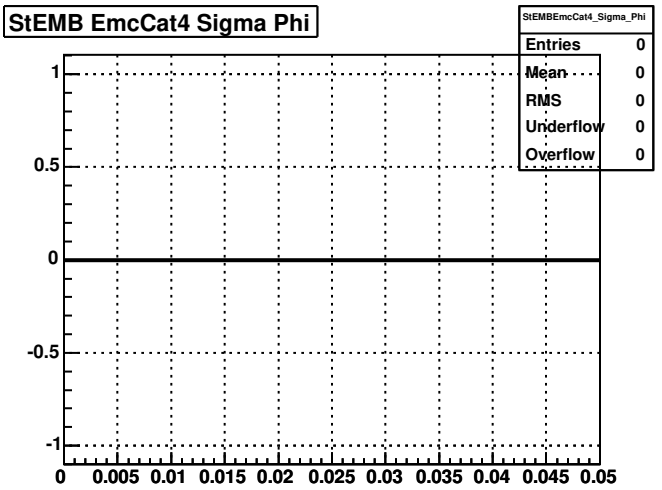
StEMB EmcCat4 Point Phi



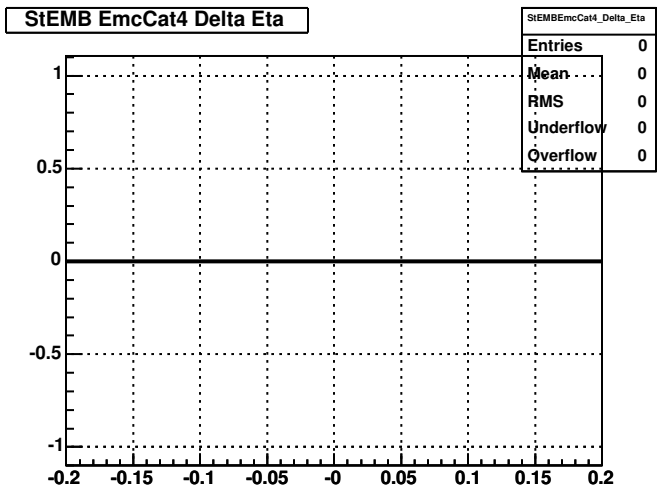
StEMB EmcCat4 Sigma Eta



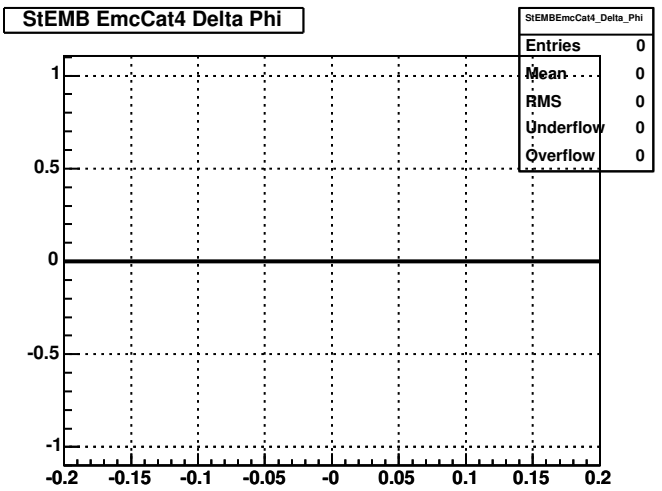
StEMB EmcCat4 Sigma Phi



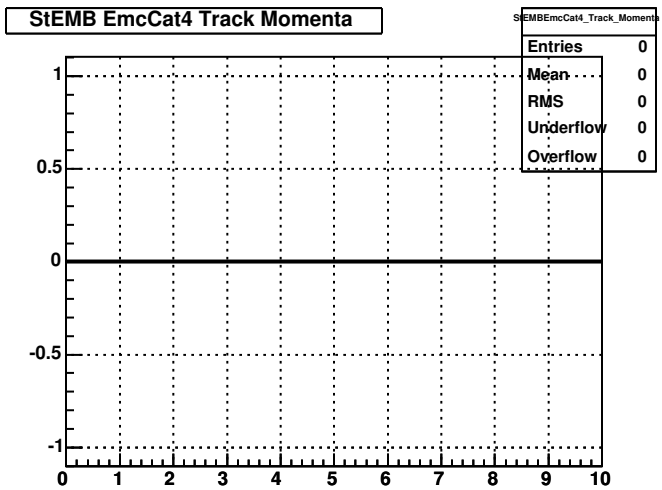
StEMB EmcCat4 Delta Eta



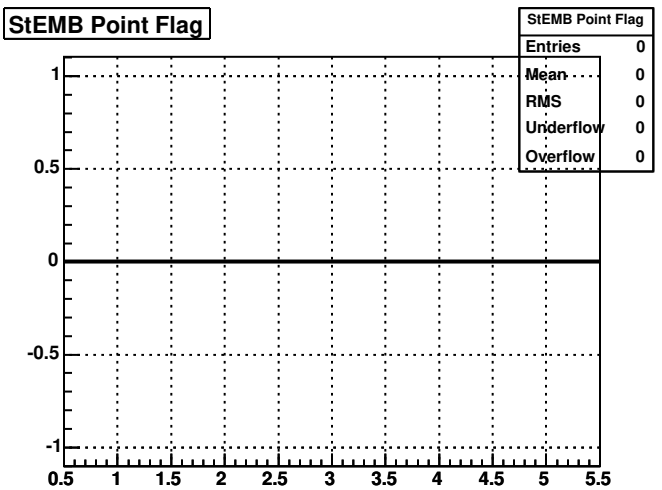
StEMB EmcCat4 Delta Phi



StEMB EmcCat4 Track Momenta



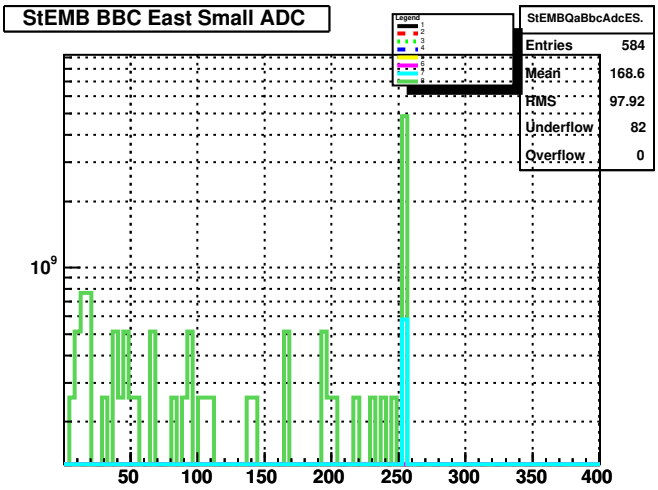
StEMB Point Flag



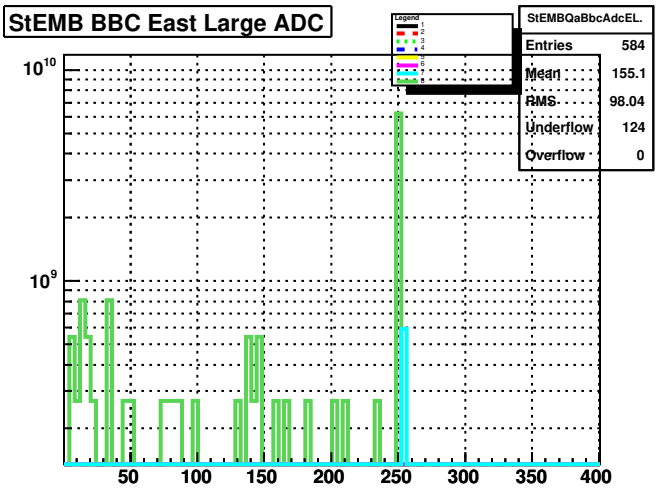
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

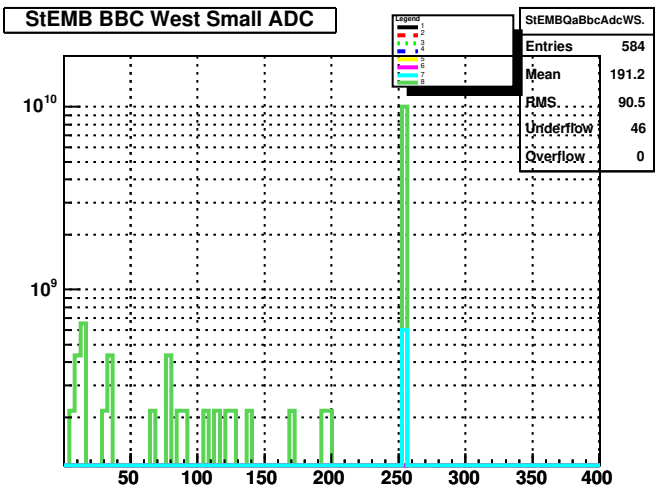
StEMB BBC East Small ADC



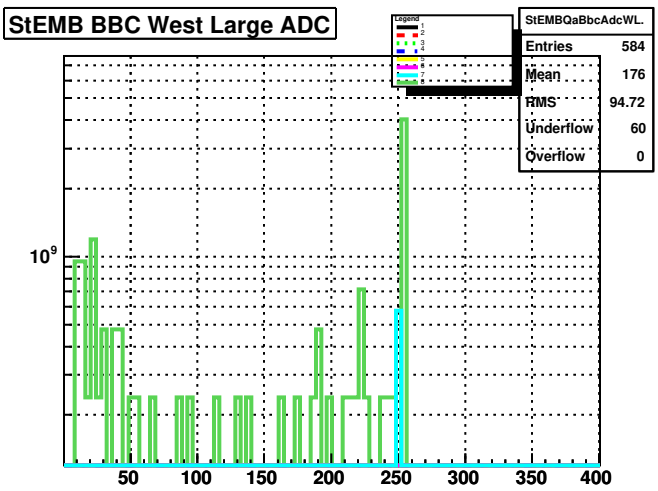
StEMB BBC East Large ADC



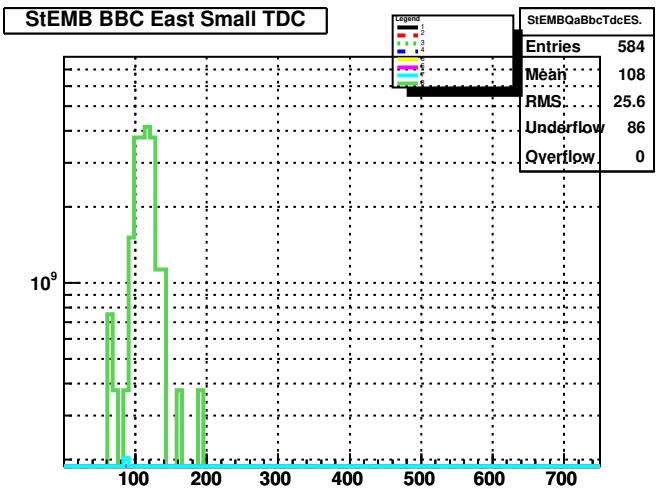
StEMB BBC West Small ADC



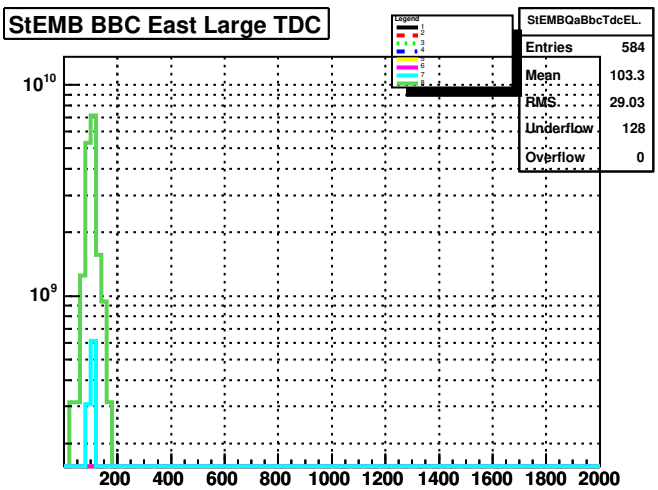
StEMB BBC West Large ADC



StEMB BBC East Small TDC



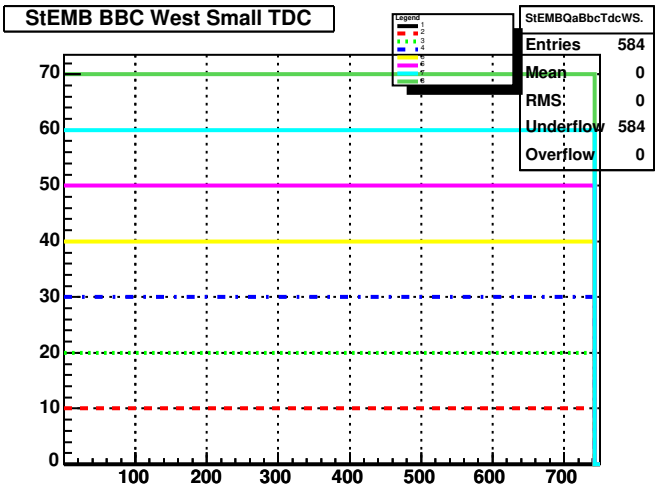
StEMB BBC East Large TDC



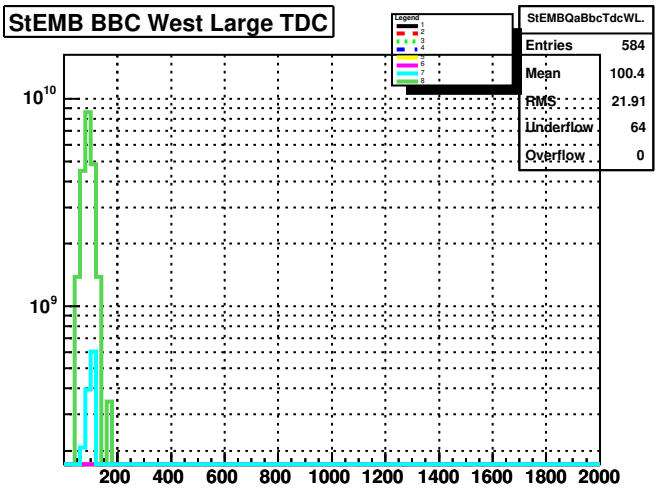
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

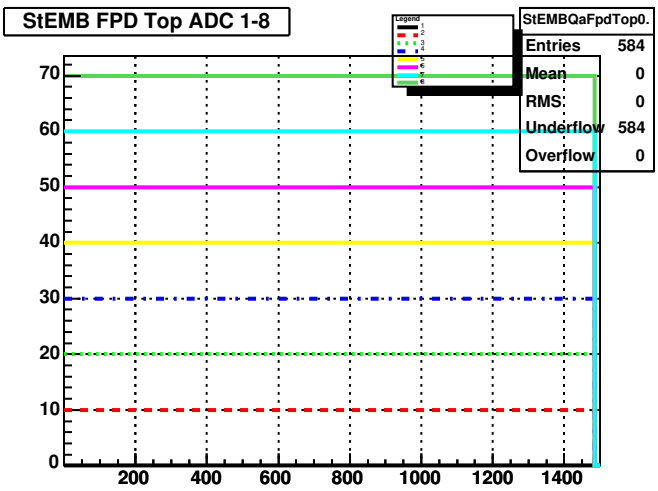
StEMB BBC West Small TDC



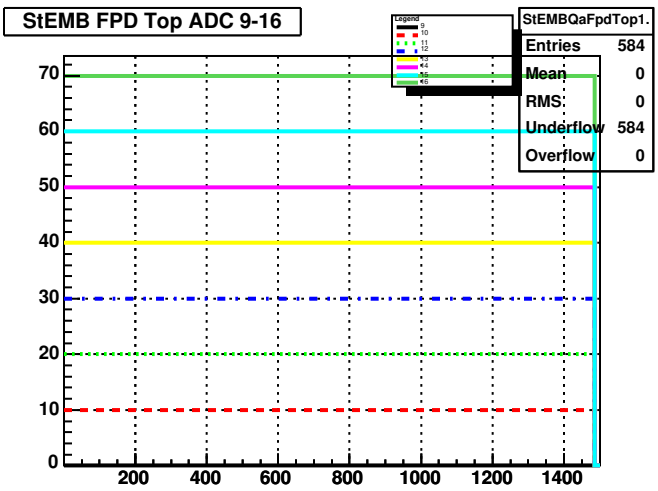
StEMB BBC West Large TDC



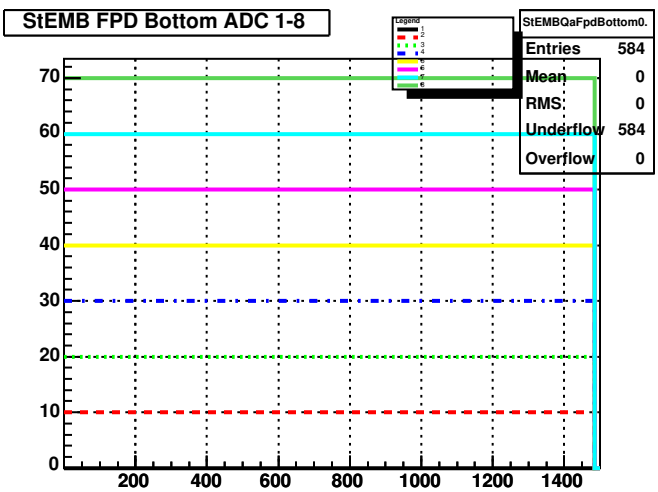
StEMB FPD Top ADC 1-8



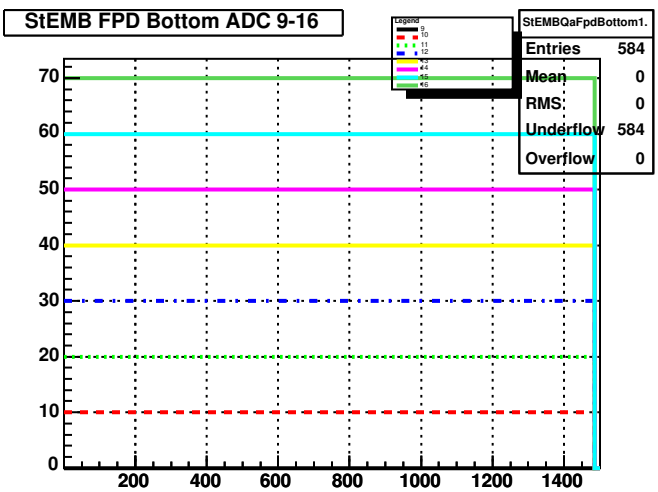
StEMB FPD Top ADC 9-16



StEMB FPD Bottom ADC 1-8



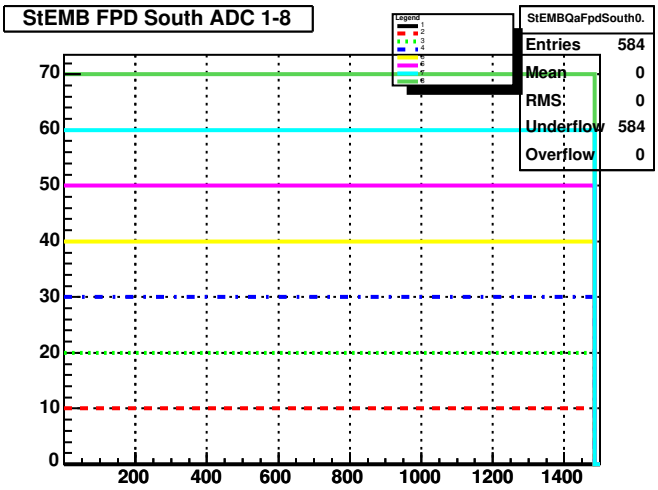
StEMB FPD Bottom ADC 9-16



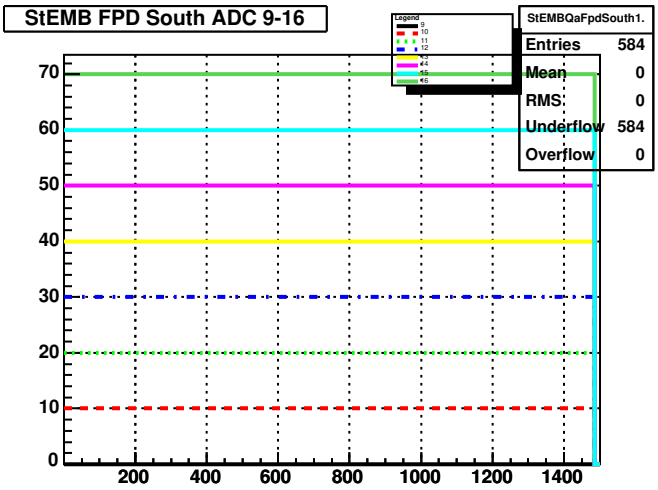
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

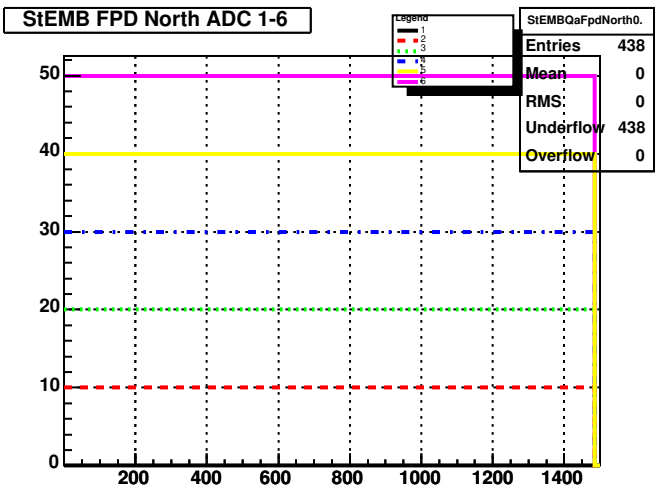
StEMB FPD South ADC 1-8



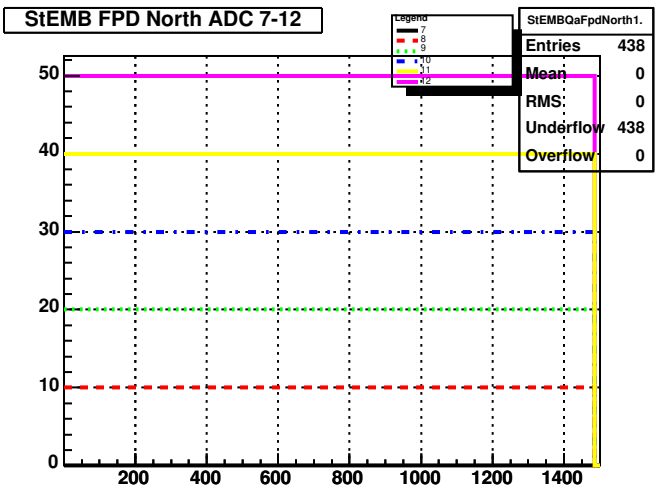
StEMB FPD South ADC 9-16



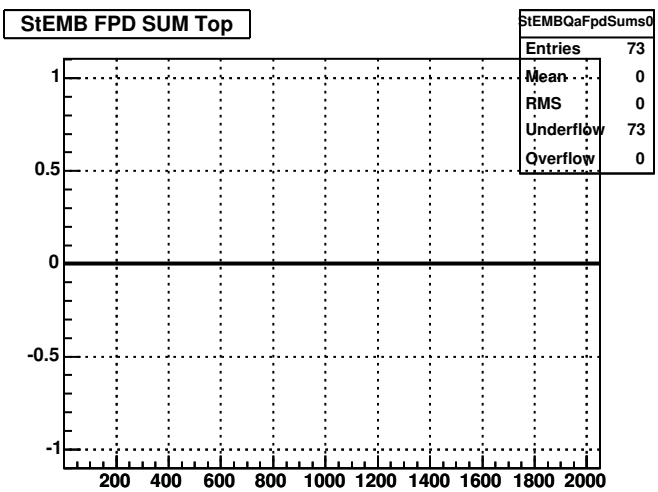
StEMB FPD North ADC 1-6



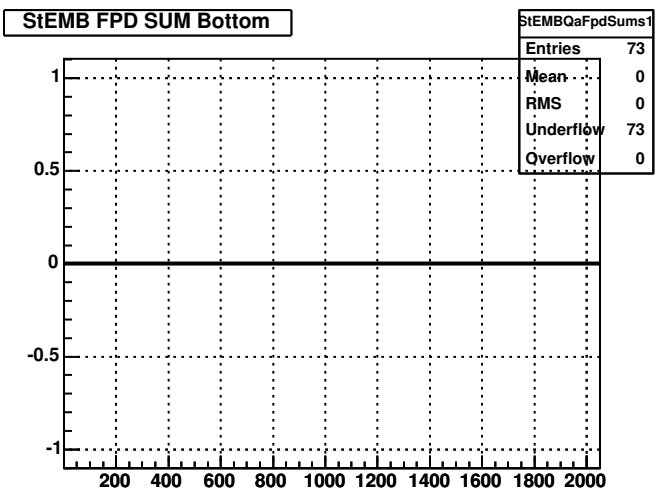
StEMB FPD North ADC 7-12



StEMB FPD SUM Top



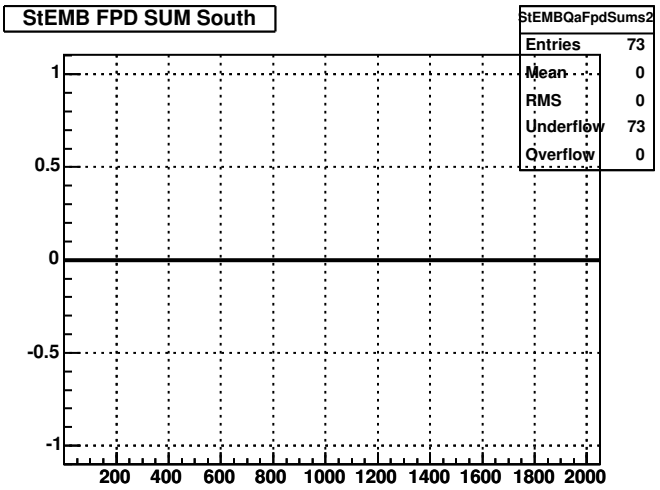
StEMB FPD SUM Bottom



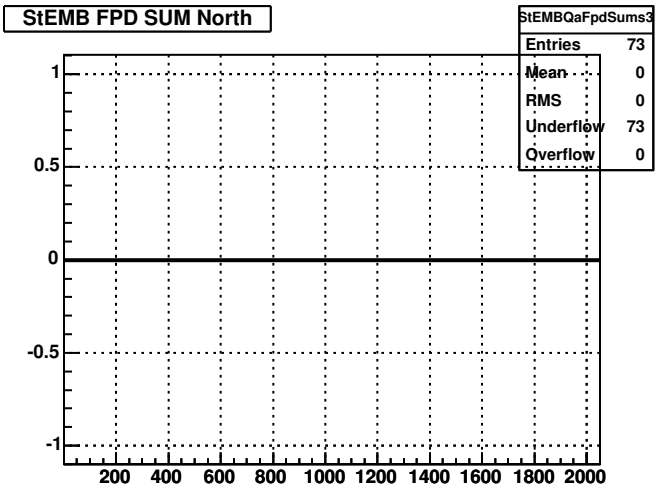
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

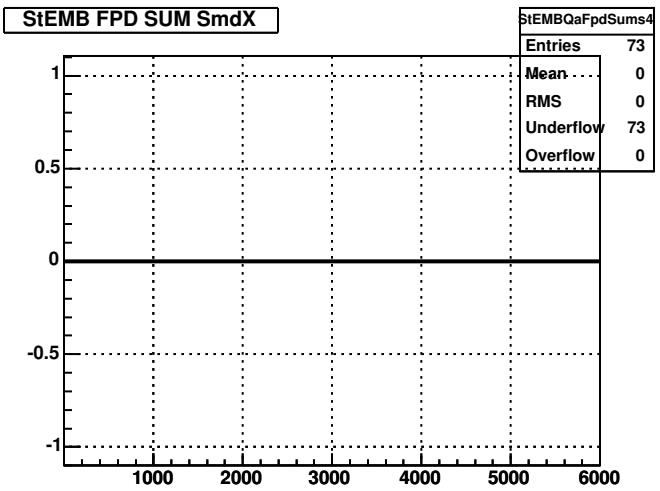
StEMB FPD SUM South



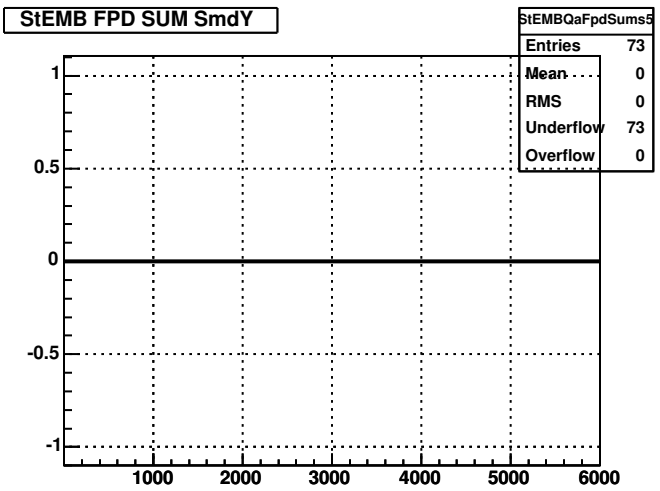
StEMB FPD SUM North



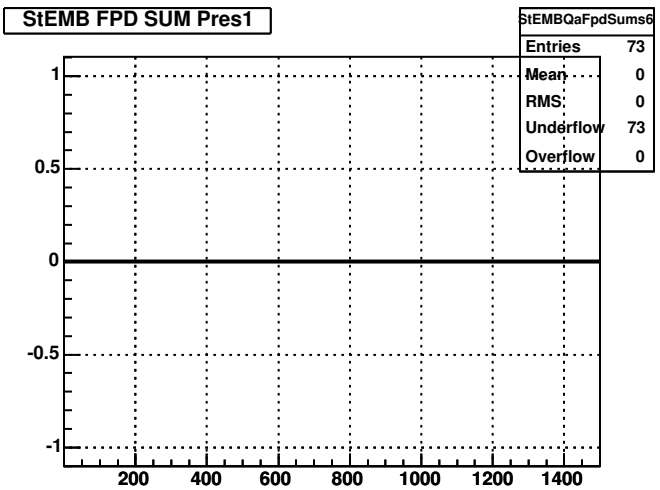
StEMB FPD SUM SmdX



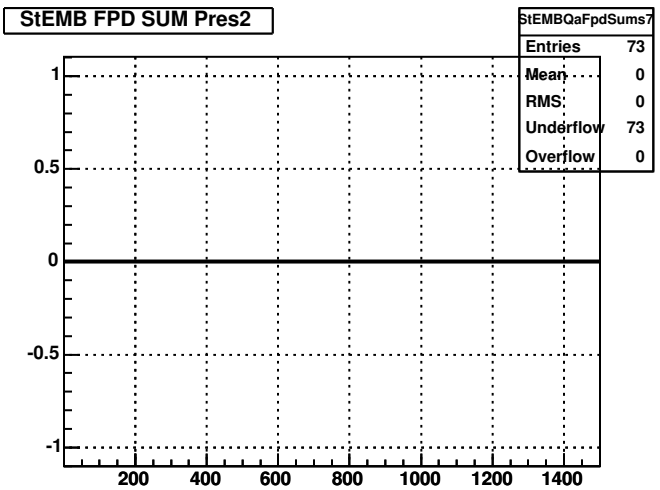
StEMB FPD SUM SmdY



StEMB FPD SUM Pres1

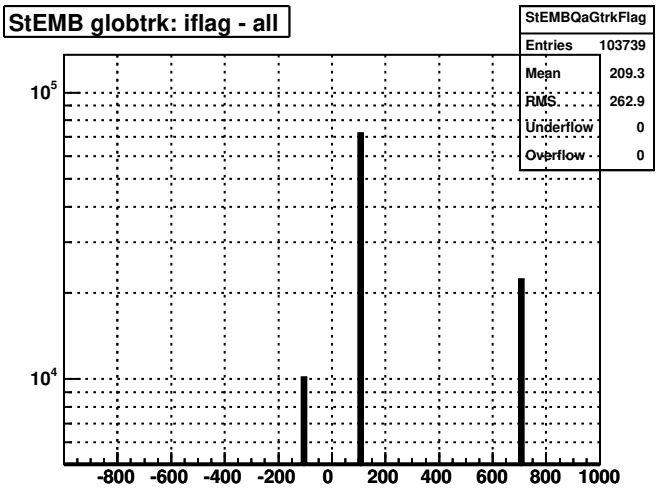


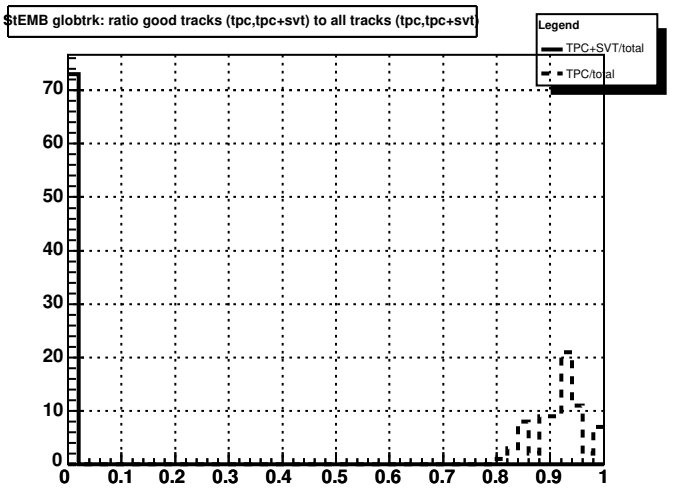
StEMB FPD SUM Pres2

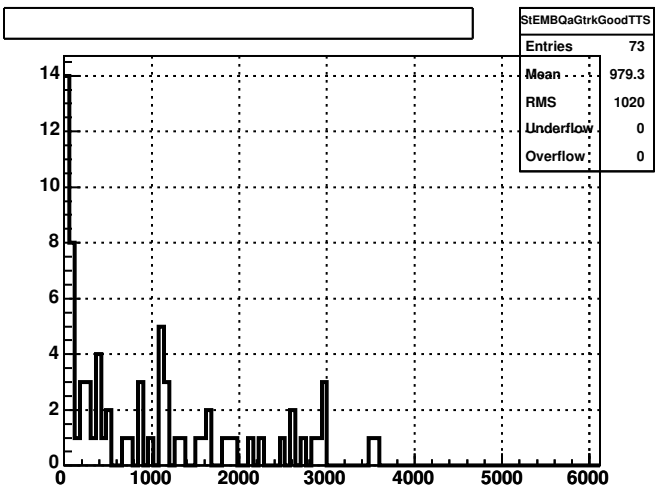


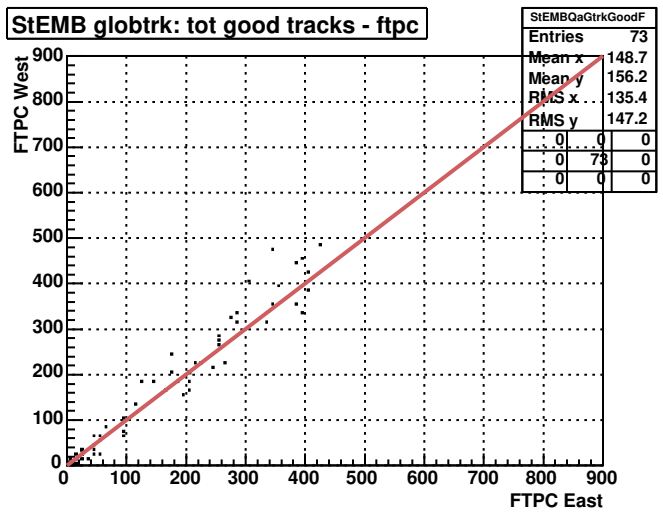
st_physics_5008019_raw_4020010.hist.root

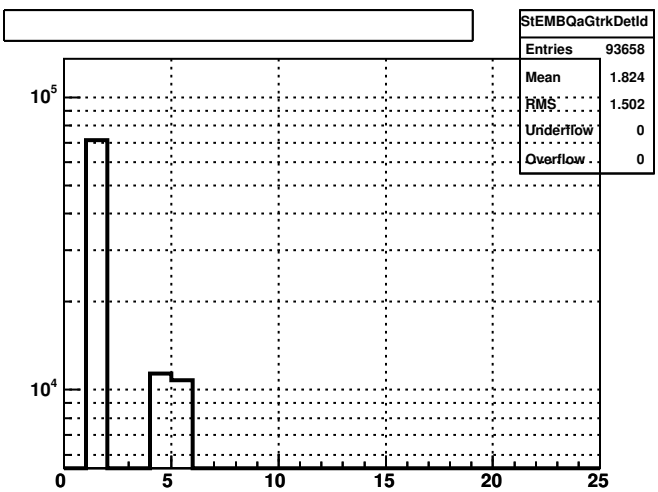
MinBias Hists

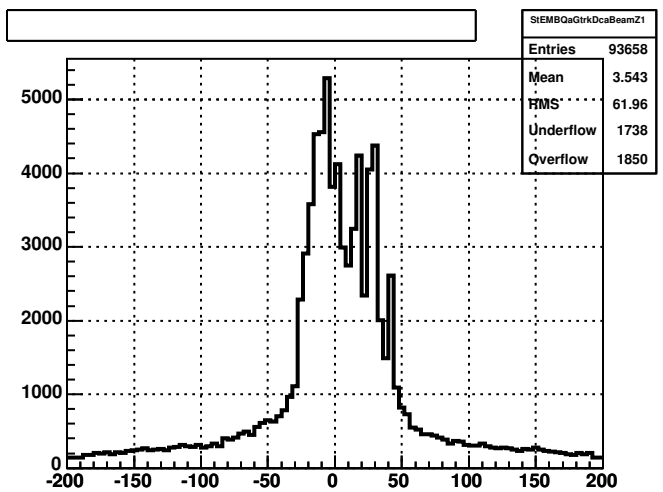








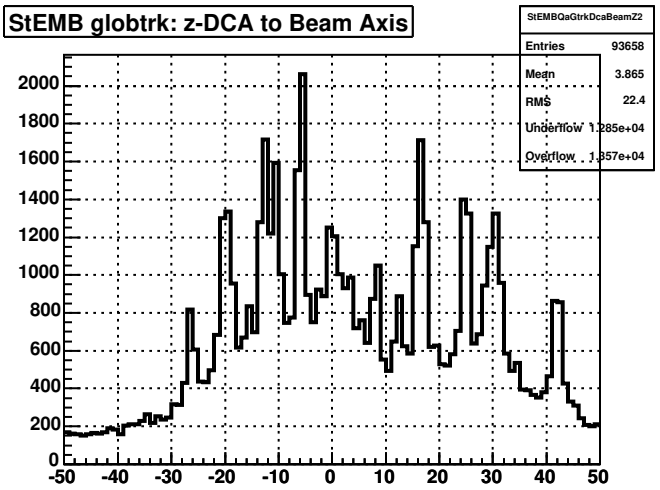


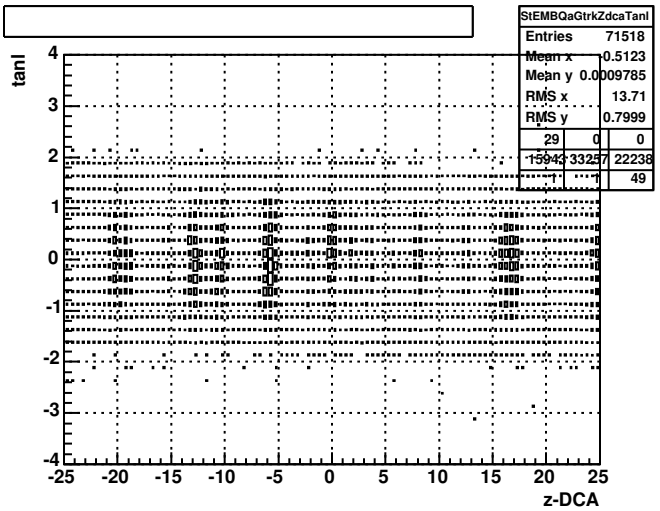


st_physics_5008019_raw_4020010.hist.root

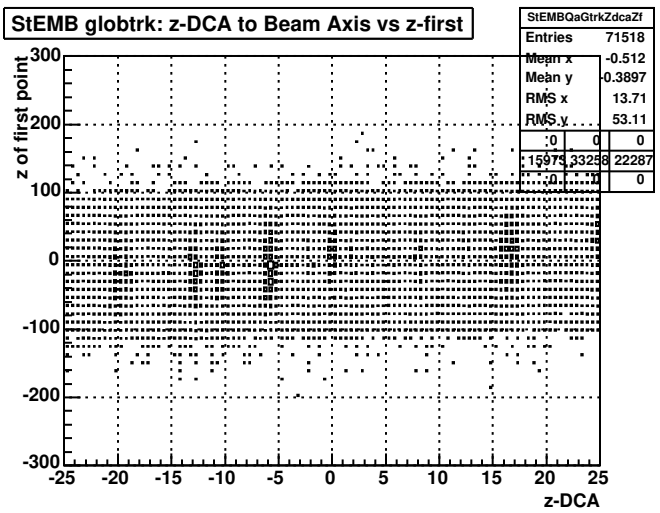
MinBias Hists

StEMB globtrk: z-DCA to Beam Axis

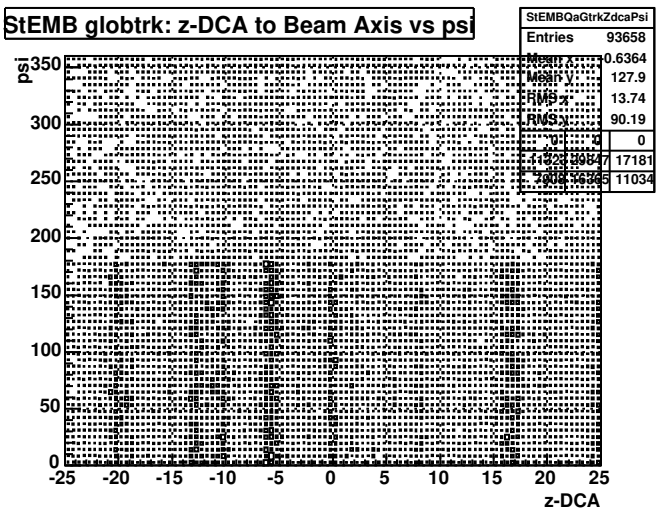




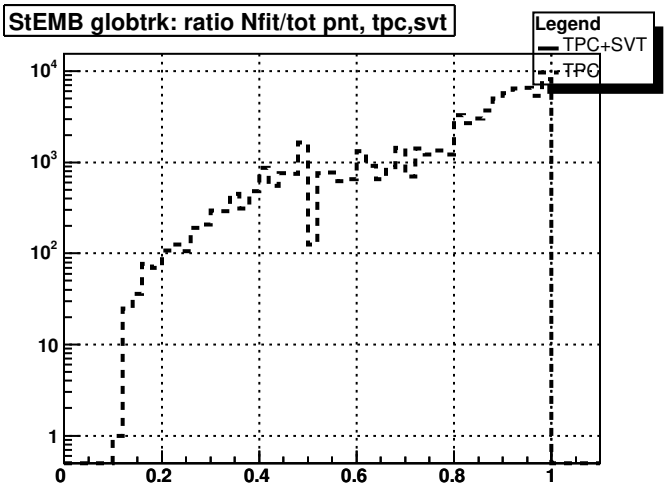
StEMB globtrk: z-DCA to Beam Axis vs z-first



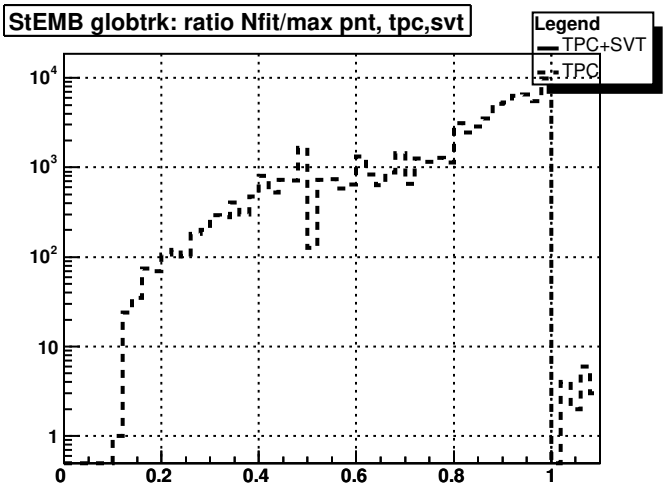
StEMB globtrk: z-DCA to Beam Axis vs psi



StEMB globtrk: ratio Nfit/tot pnt, tpc,svt



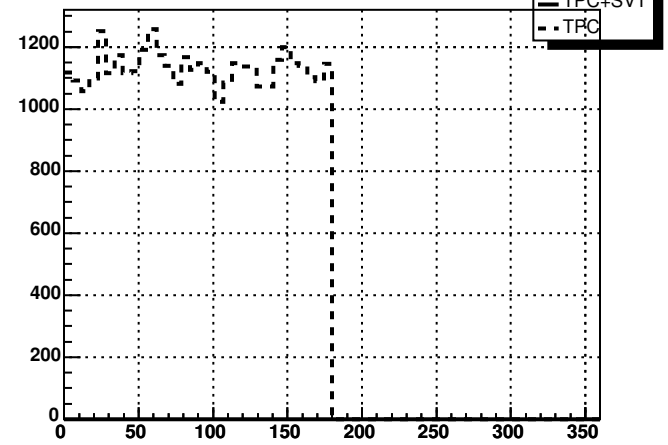
StEMB globtrk: ratio Nfit/max pnt, tpc,svt



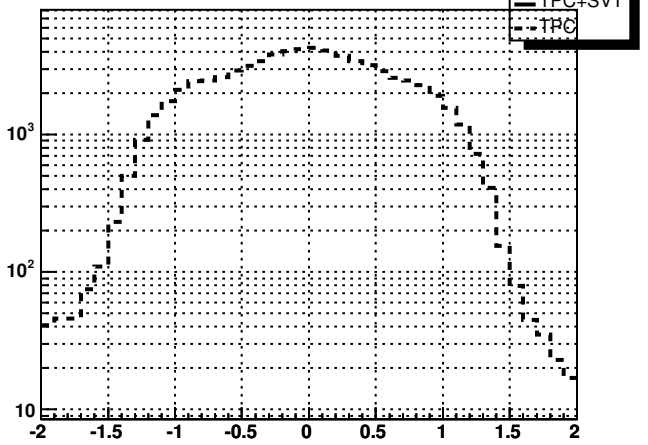
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

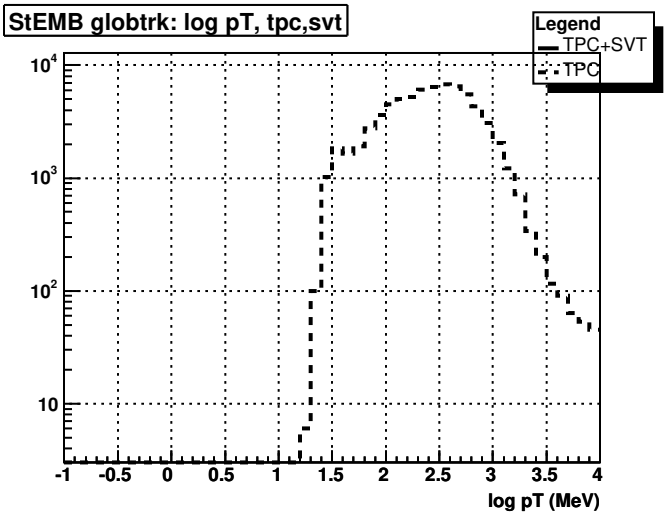
StEMB globtrk: psi (deg), tpc,svt



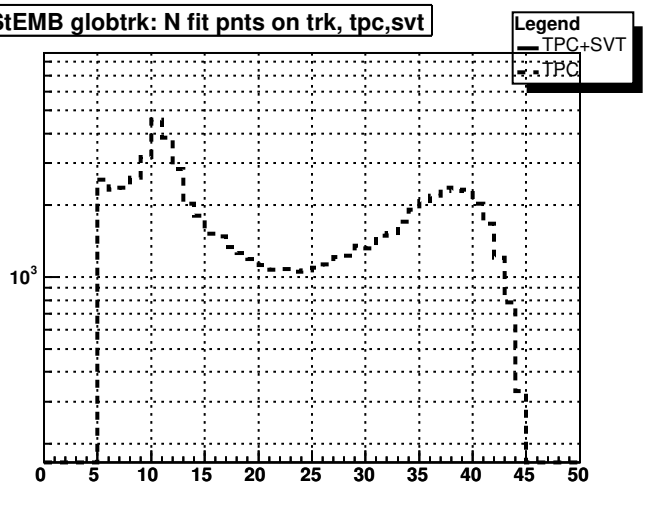
StEMB globtrk: eta, tpc,svt



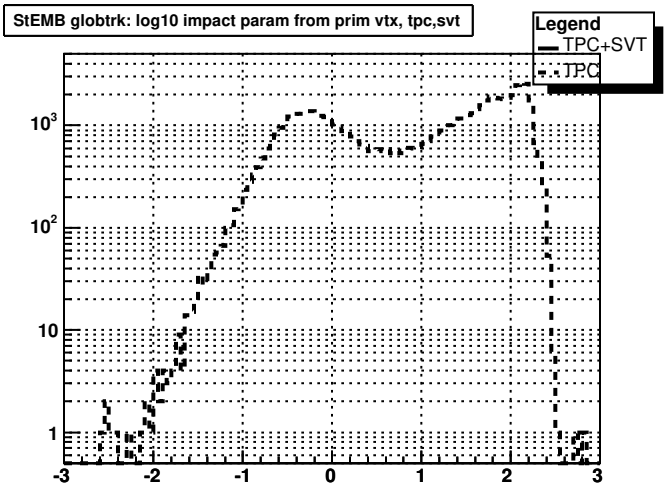
StEMB globtrk: log pT, tpc,svt



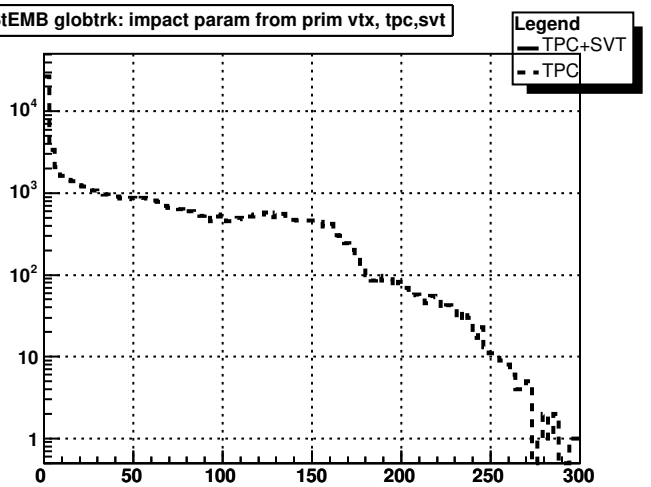
StEMB globtrk: N fit pnts on trk, tpc,svt



StEMB globtrk: log10 impact param from prim vtx, tpc,svt

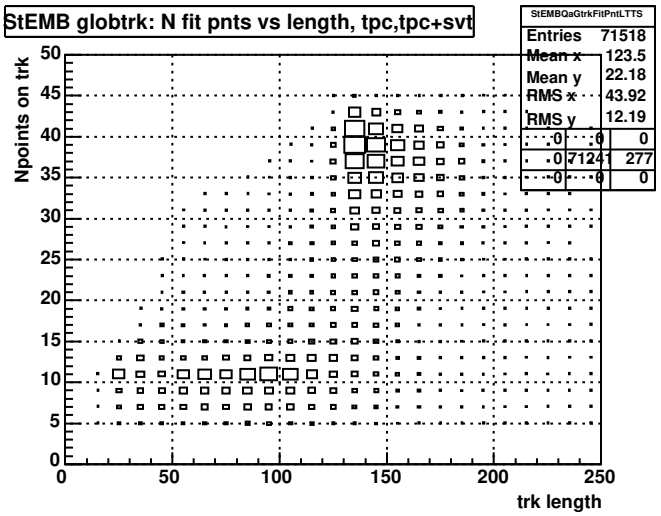


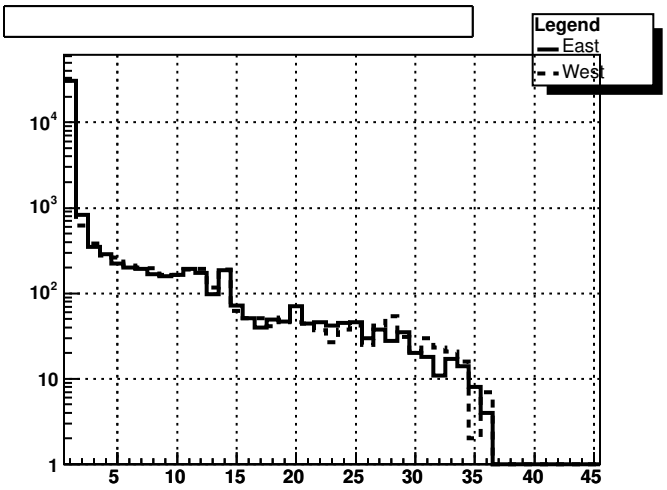
StEMB globtrk: impact param from prim vtx, tpc,svt

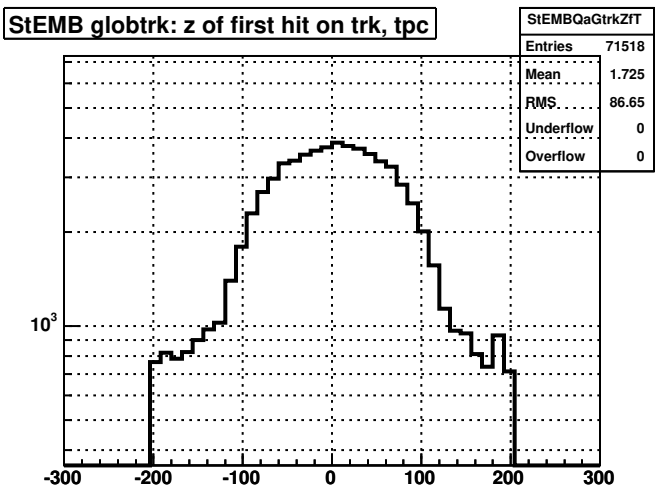


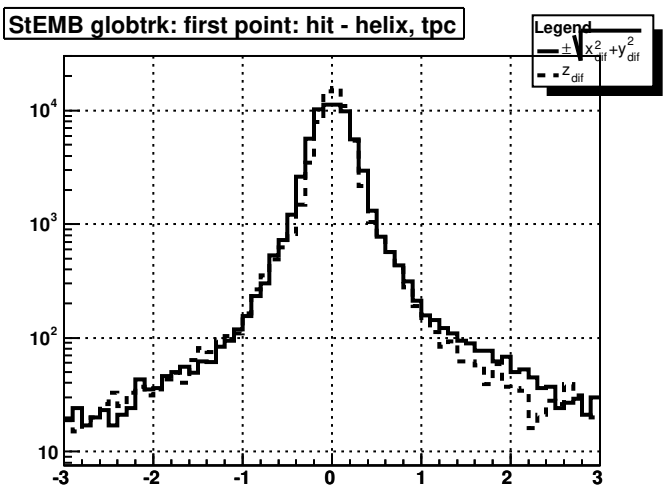
st_physics_5008019_raw_4020010.hist.root

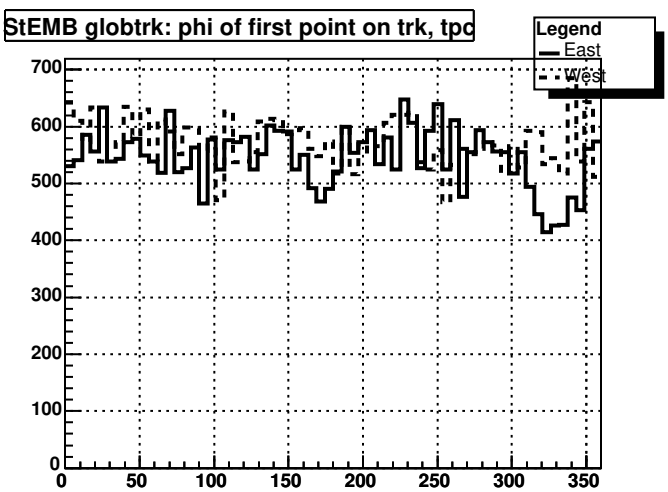
MinBias Hists

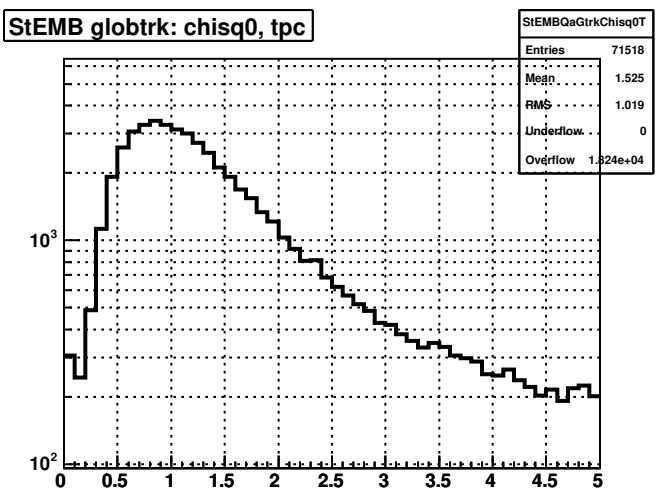








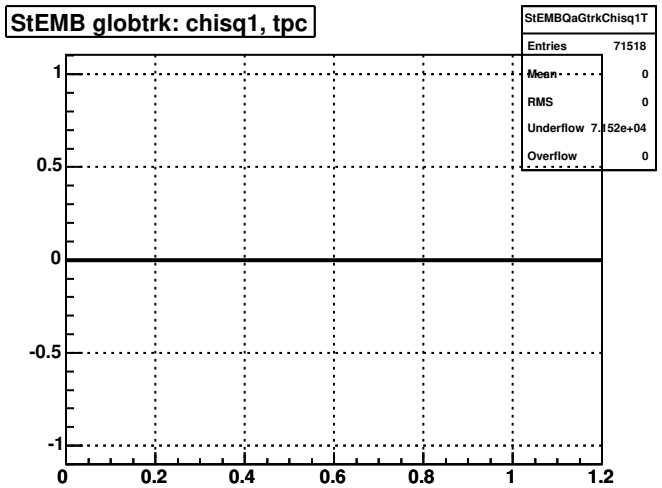


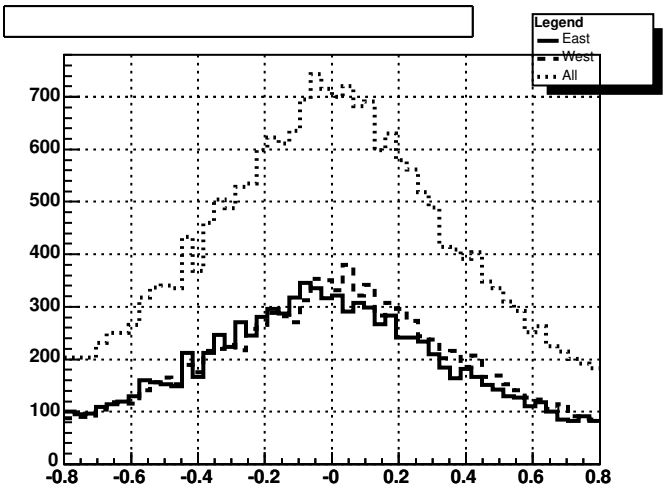


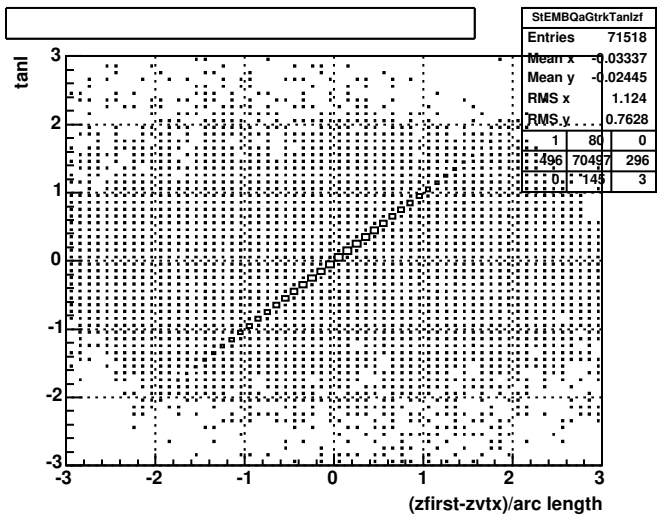
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

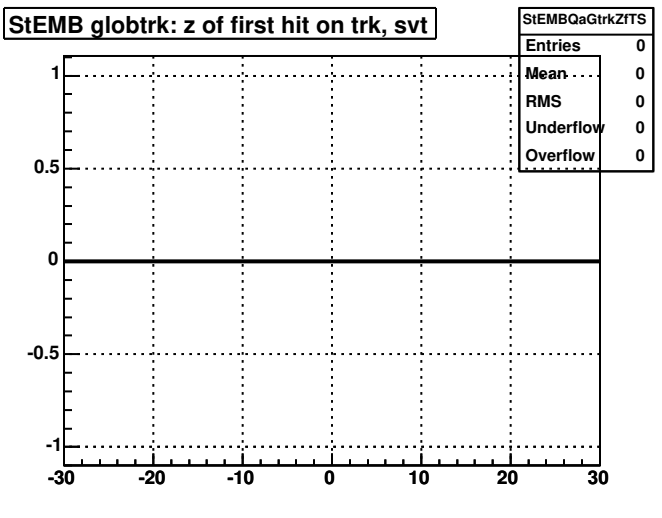
StEMB globtrk: chisq1, tpc

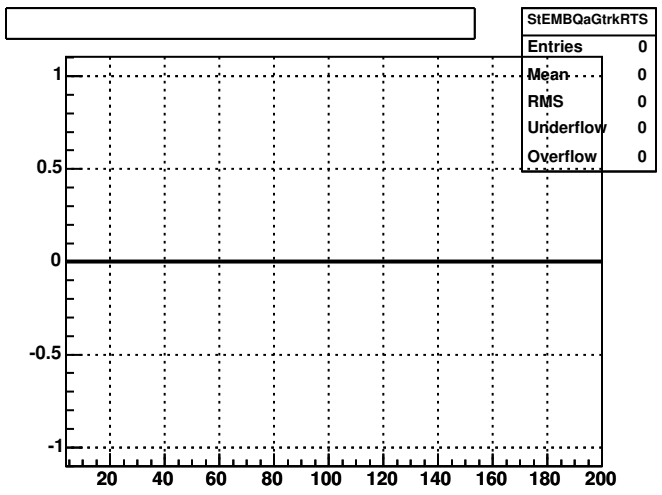


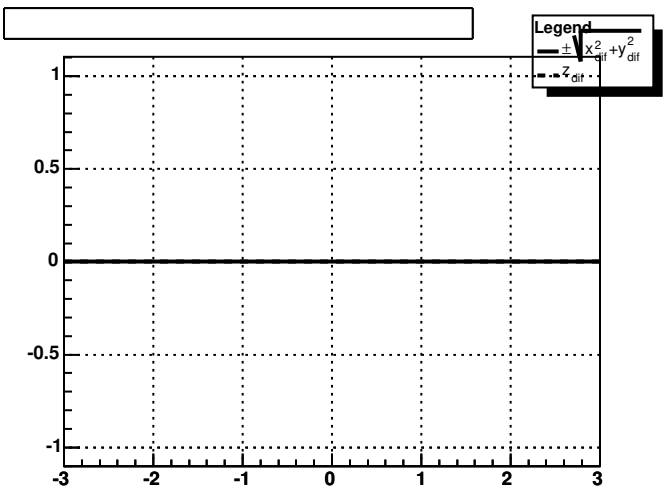




StEMB globtrk: z of first hit on trk, svt



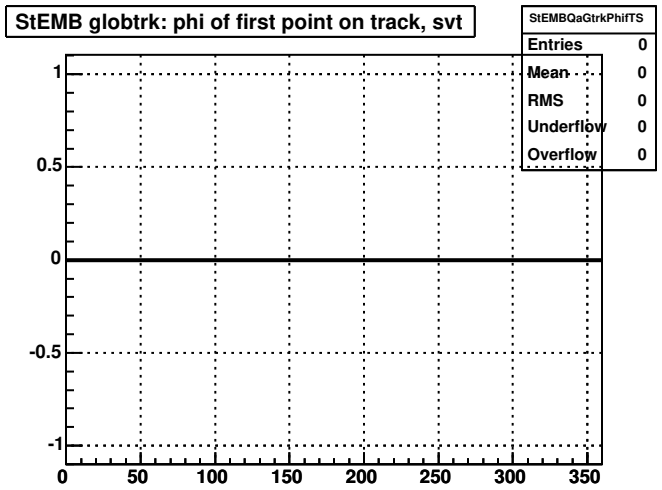




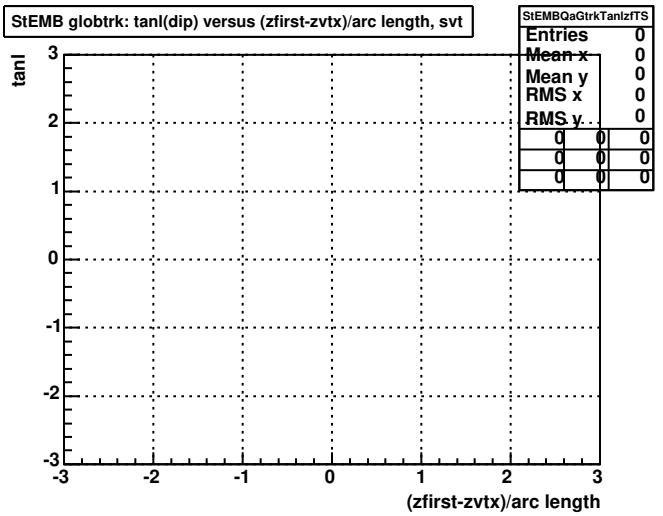
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

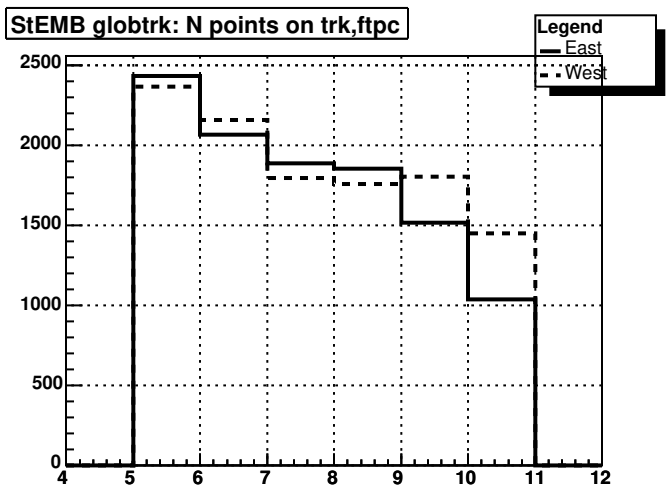
StEMB globtrk: phi of first point on track, svt



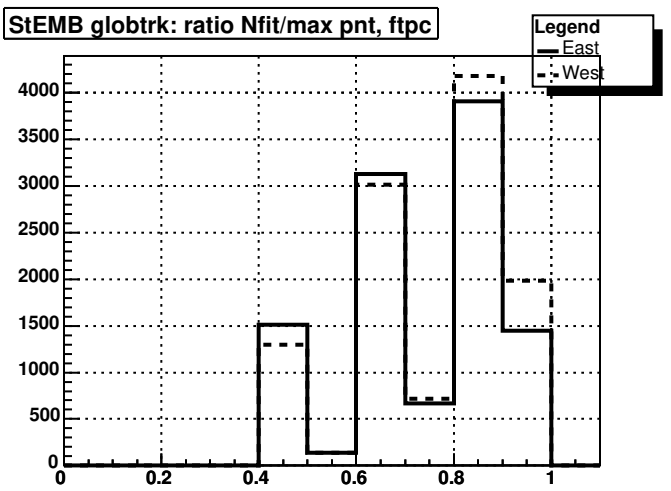
StEMB globtrk: tanl(dip) versus (zfirst-zvtx)/arc length, svt



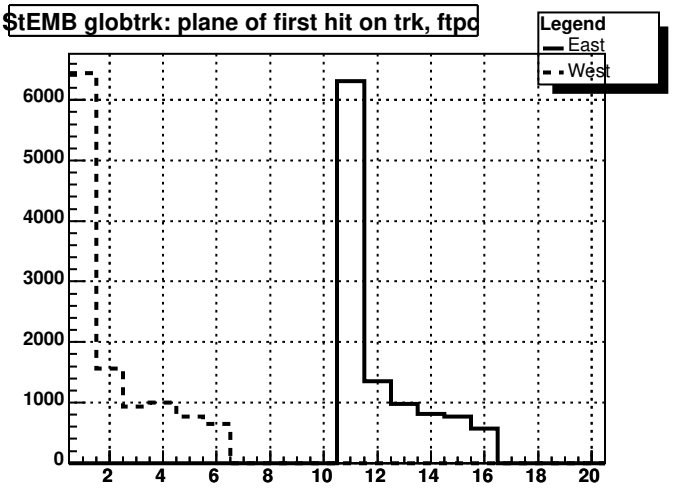
StEMB globtrk: N points on trk,ftpc



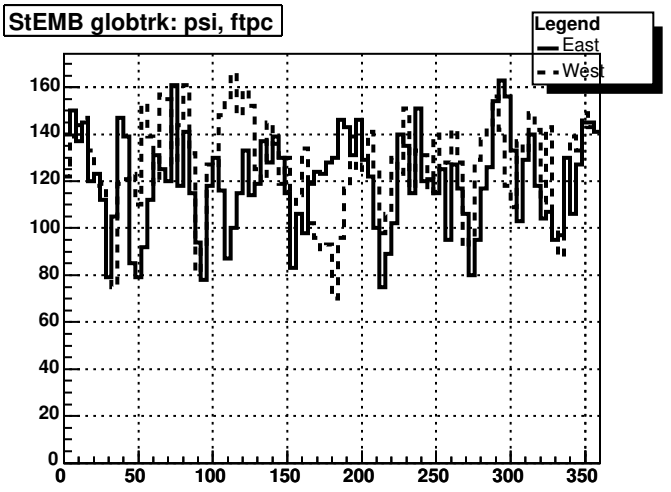
StEMB globtrk: ratio Nfit/max pnt, ftpc



StEMB globtrk: plane of first hit on trk, ftpc



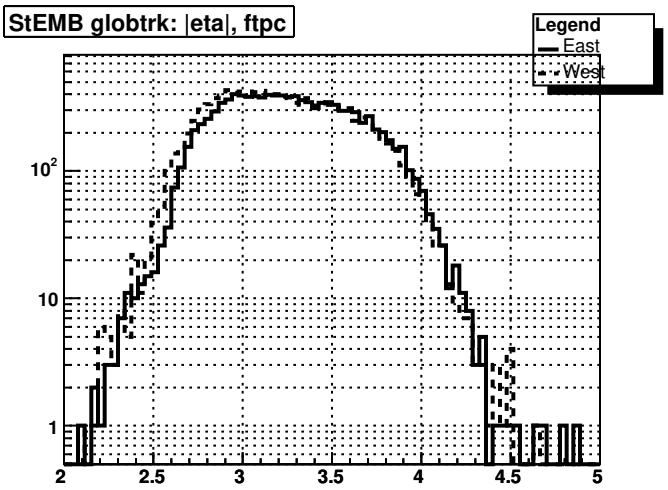
StEMB globtrk: psi, ftpc



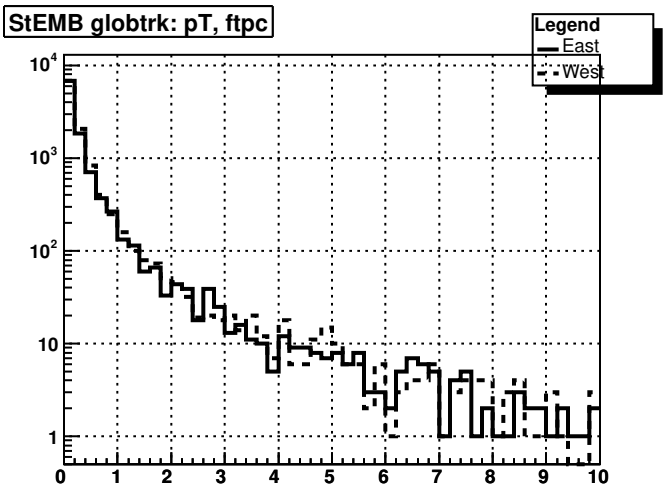
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

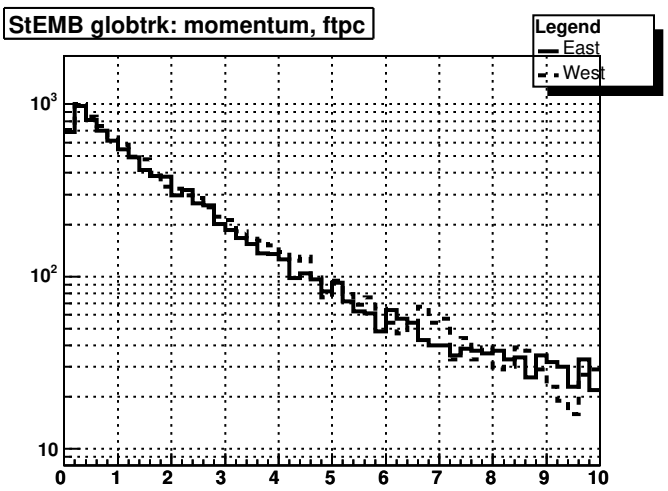
StEMB globtrk: |eta|, ftpc



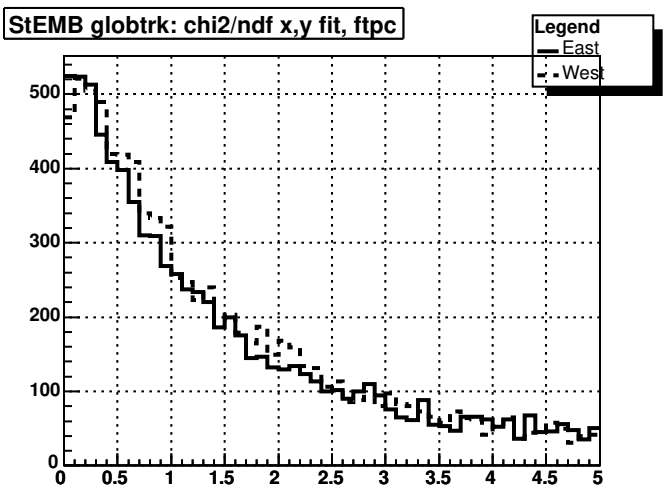
StEMB globtrk: pT, ftpc



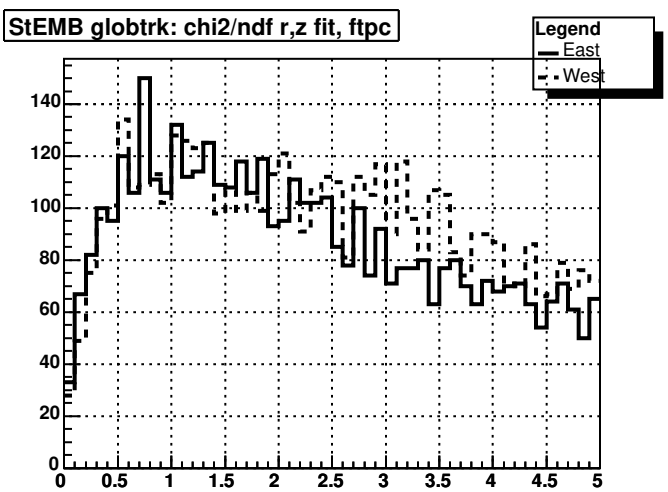
StEMB globtrk: momentum, ftpc

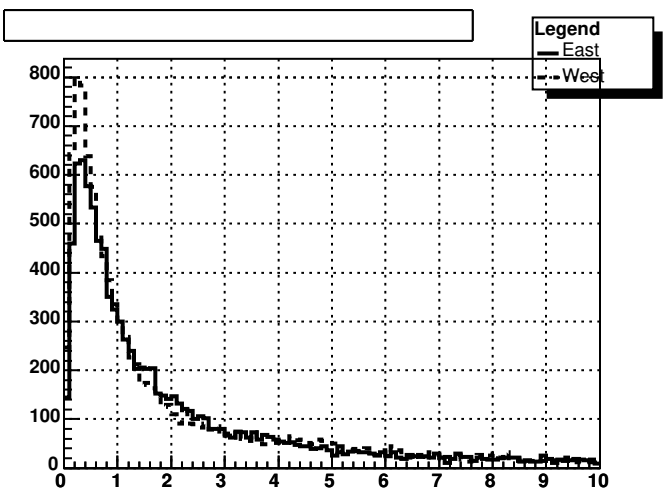


StEMB globtrk: chi2/ndf x,y fit, ftpc



StEMB globtrk: chi2/ndf r,z fit, ftpc

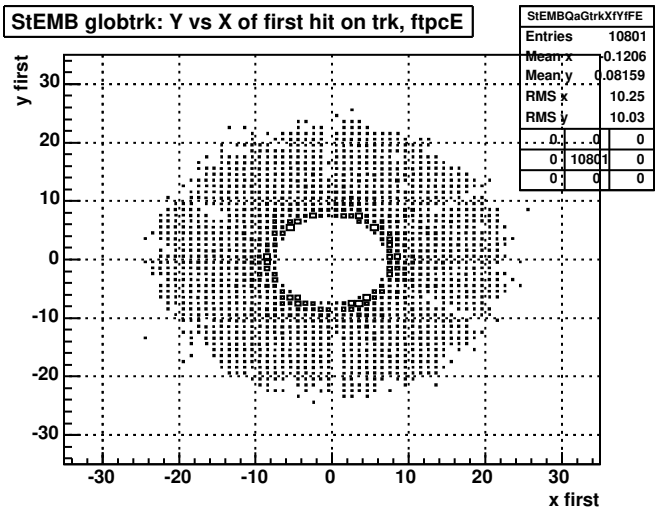




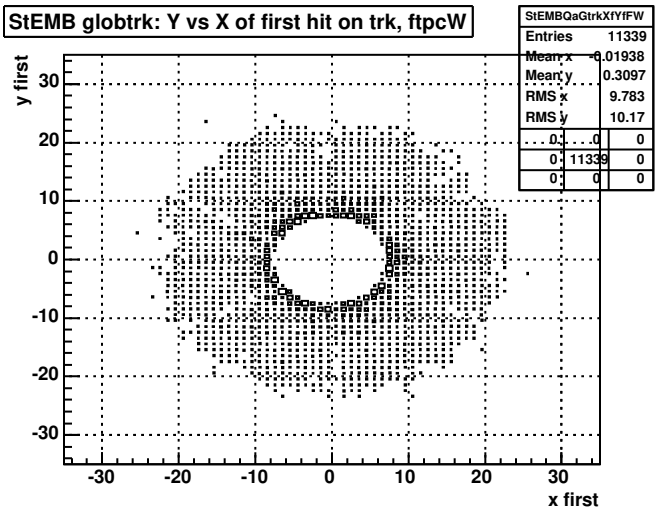
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

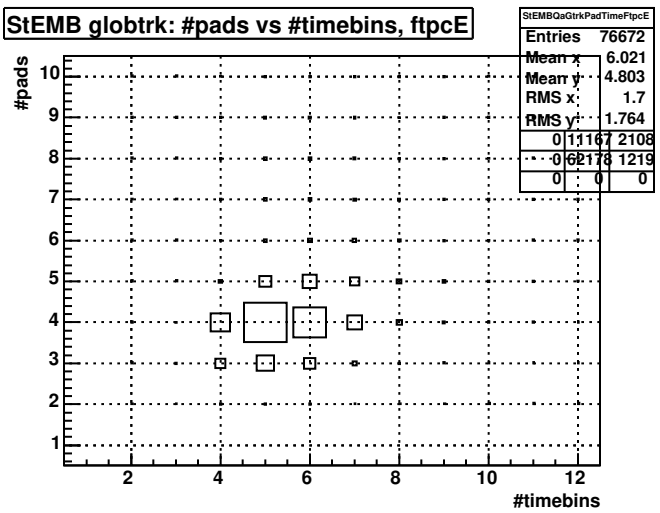
StEMB globtrk: Y vs X of first hit on trk, ftpcE



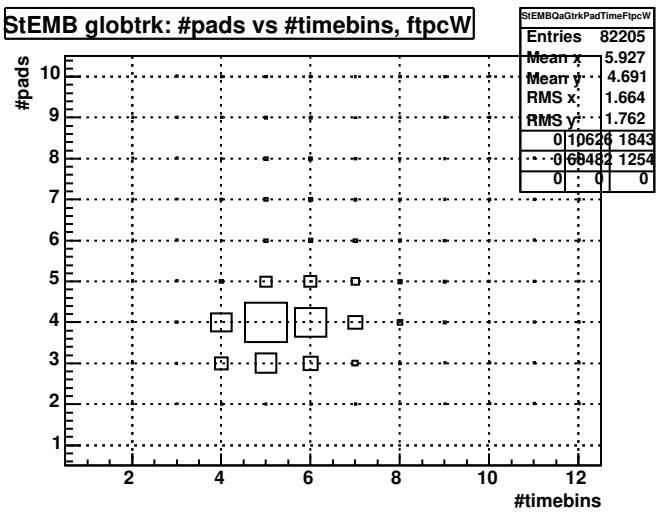
StEMB globtrk: Y vs X of first hit on trk, ftpcW



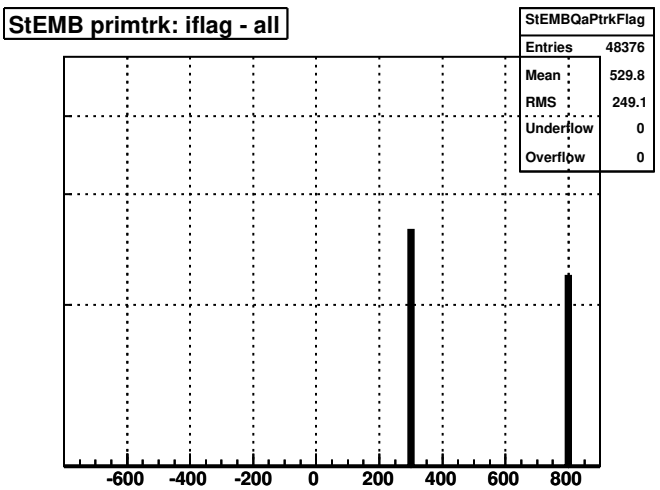
StEMB globtrk: #pads vs #timebins, ftpcE



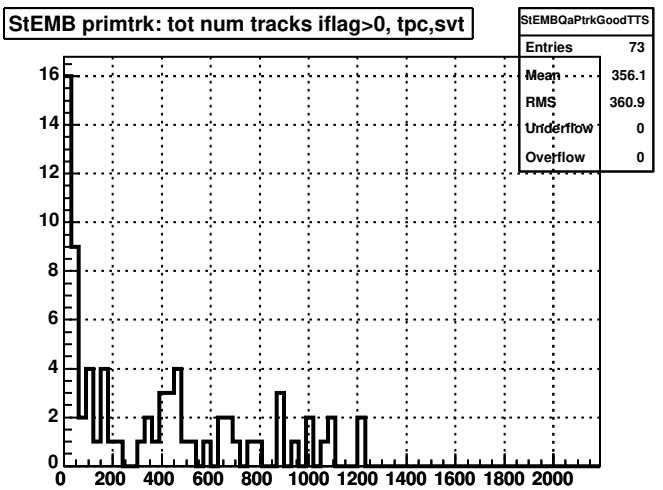
StEMB globtrk: #pads vs #timebins, ftpcW



StEMB primtrk: iflag - all



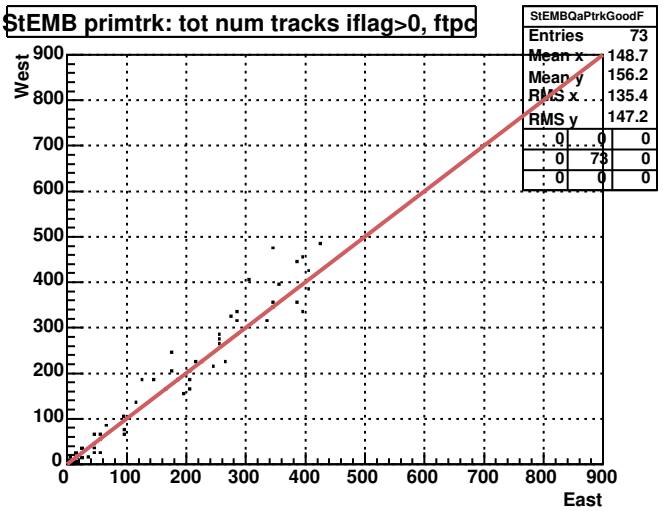
StEMB primtrk: tot num tracks iflag>0, tpc,svt



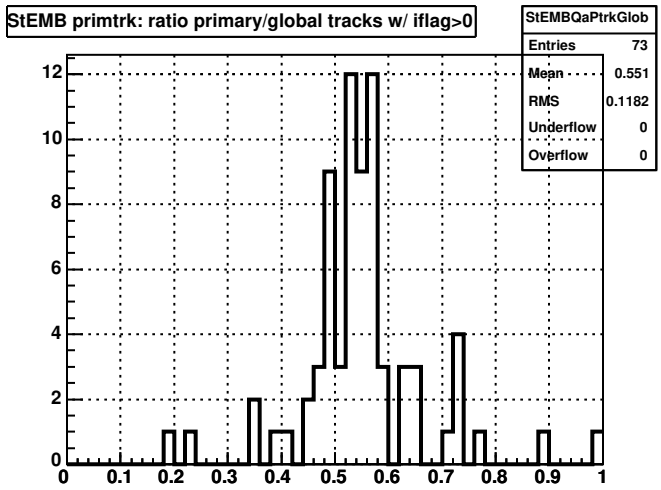
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

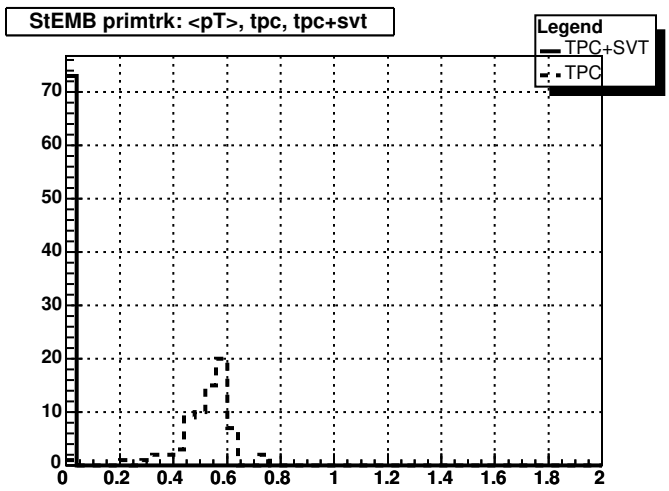
StEMB primtrk: tot num tracks iflag>0, ftpc



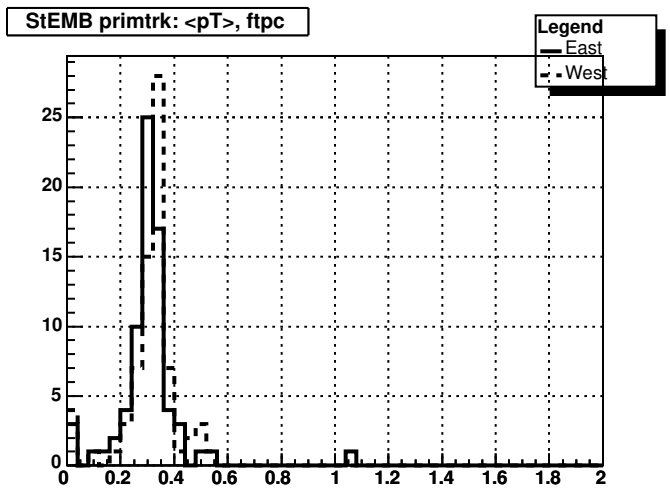
StEMB primtrk: ratio primary/global tracks w/ iflag>0



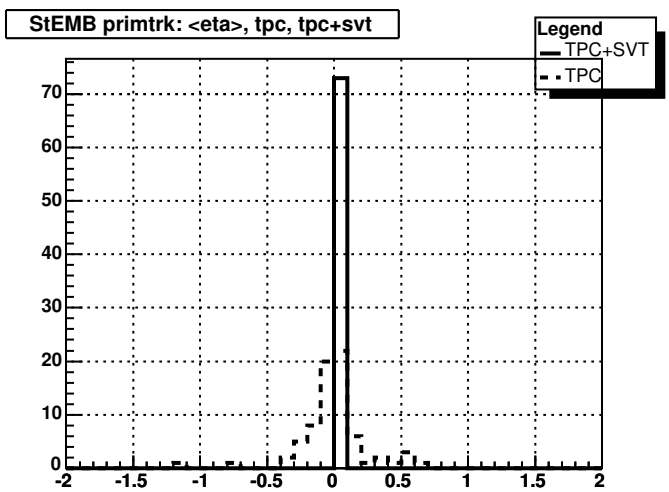
StEMB primtrk: <pT>, tpc, tpc+svt



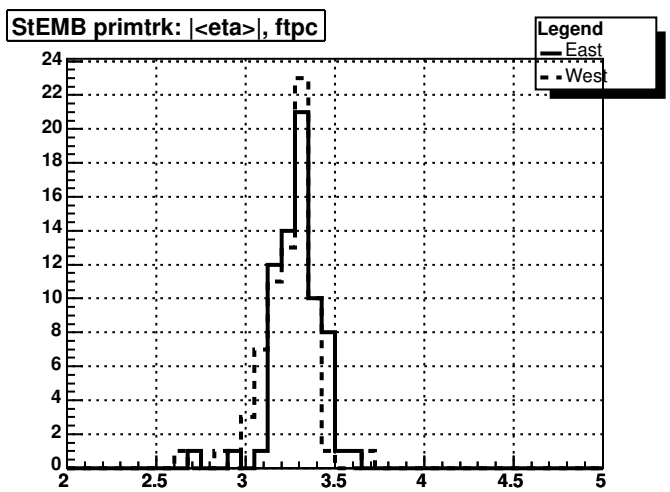
StEMB primtrk: <pT>, ftpc



StEMB primtrk: <eta>, tpc, tpc+svt



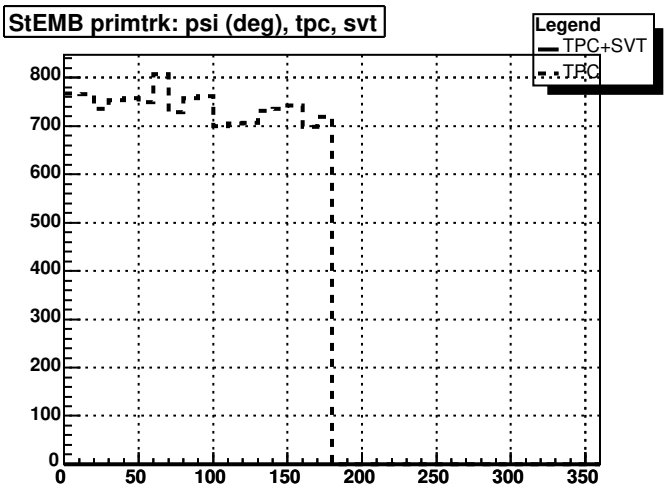
StEMB primtrk: |<eta>|, ftpc



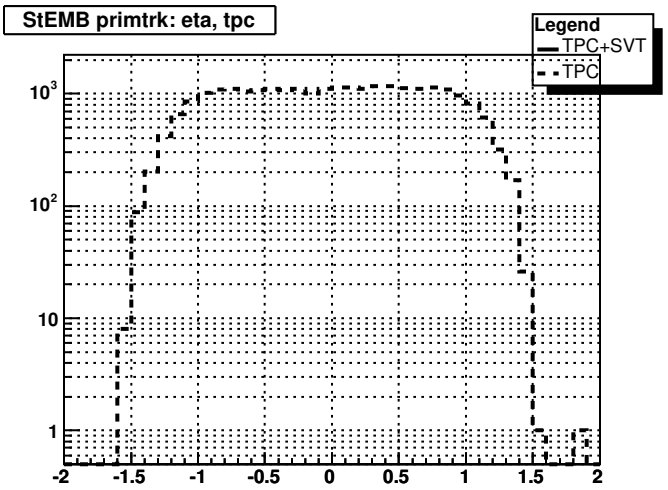
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

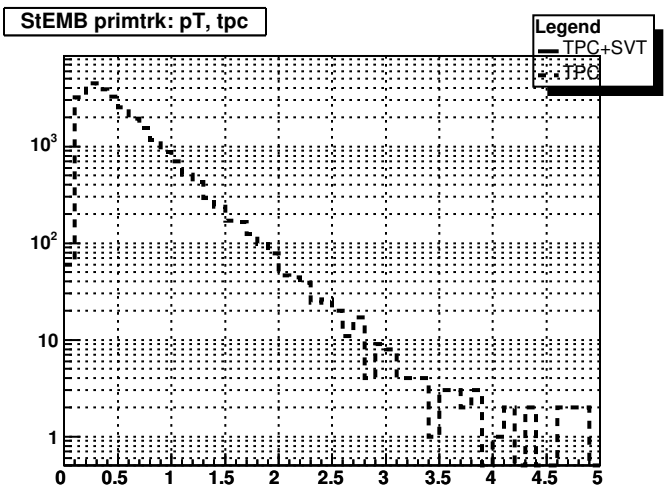
StEMB primtrk: psi (deg), tpc, svt



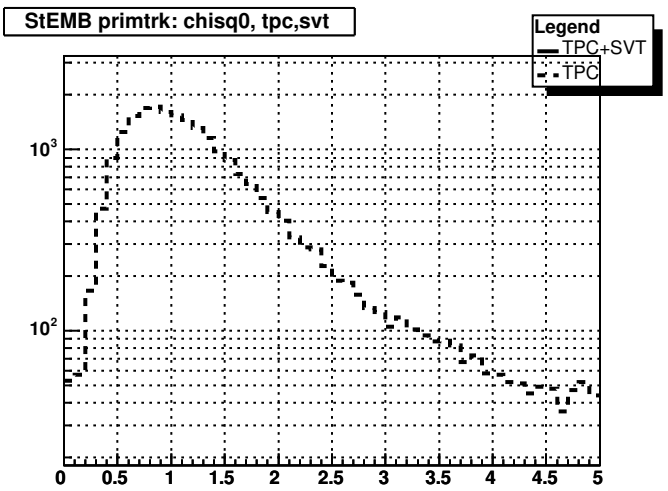
StEMB primtrk: eta, tpc



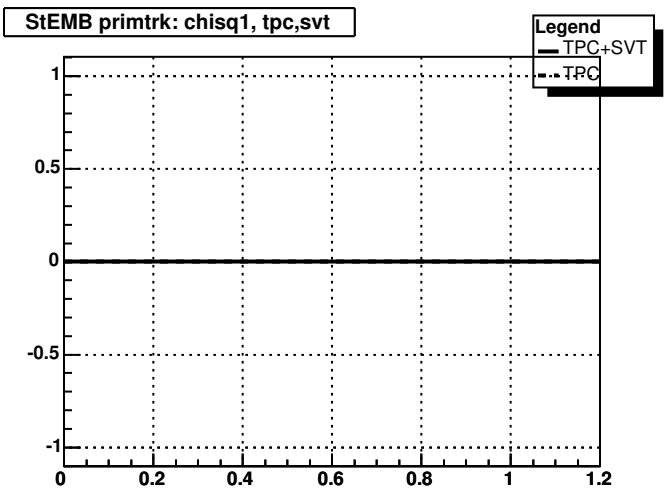
StEMB primtrk: pT, tpc



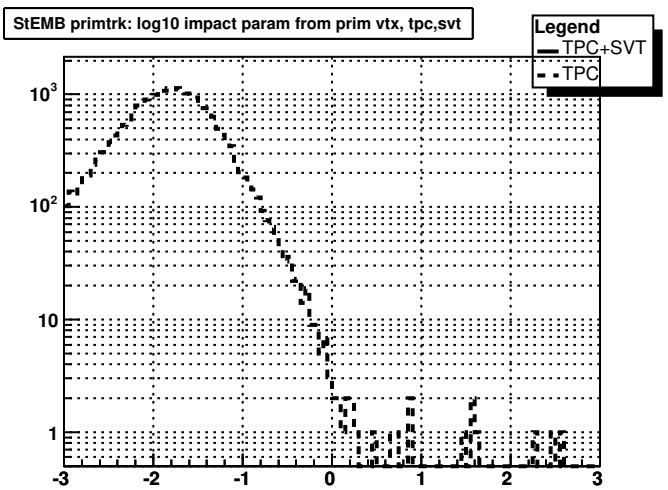
StEMB primtrk: chisq0, tpc,svt



StEMB primtrk: chisq1, tpc,svt



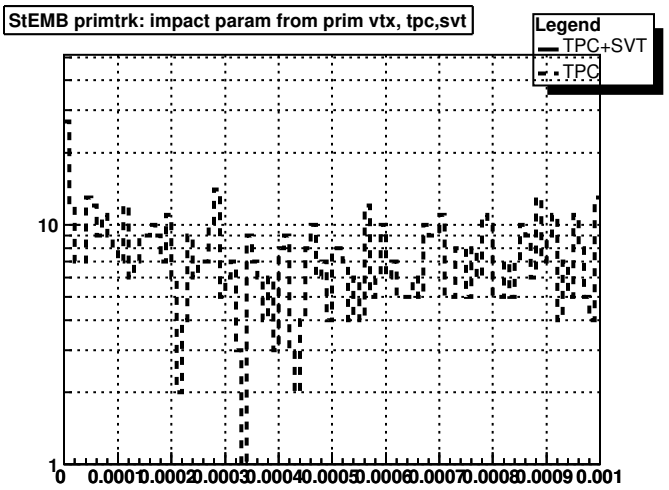
StEMB primtrk: log10 impact param from prim vtx, tpc,svt



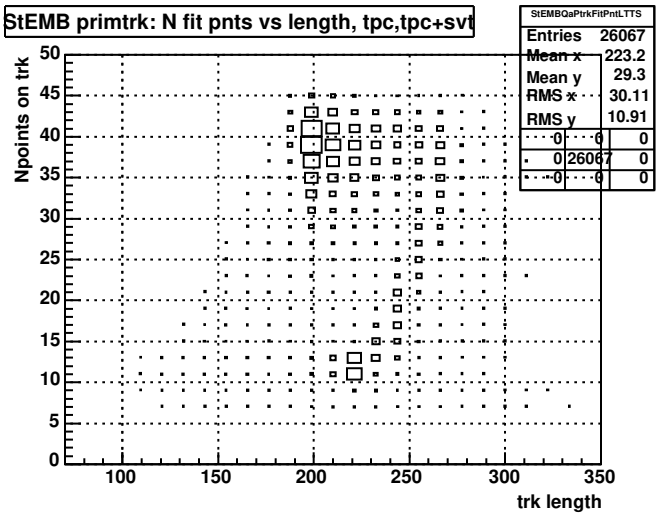
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

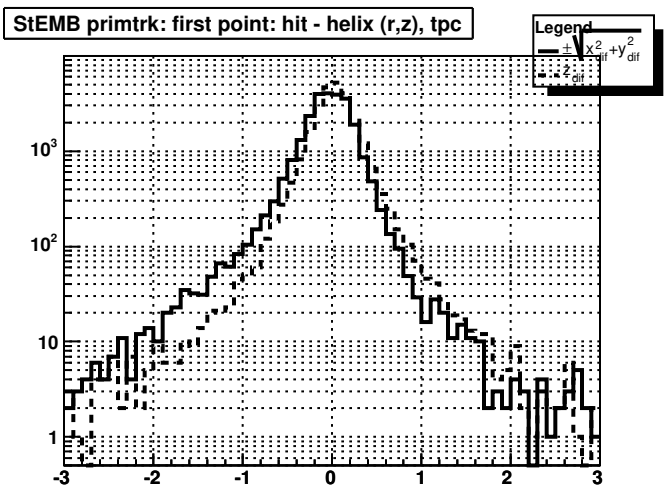
StEMB primtrk: impact param from prim vtx, tpc,svt

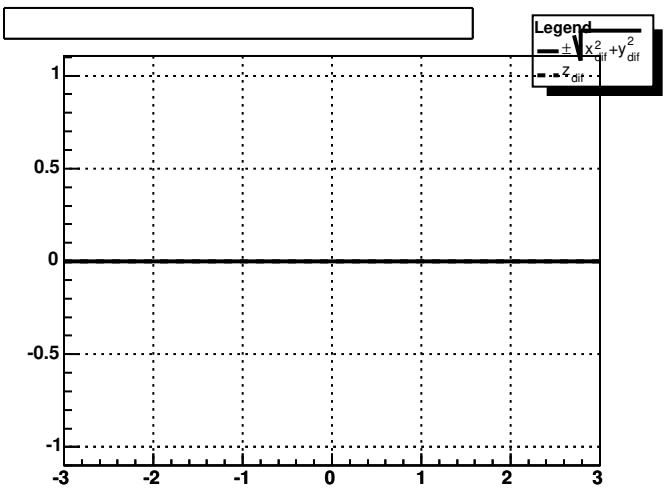


StEMB primtrk: N fit pnts vs length, tpc,tpc+svt

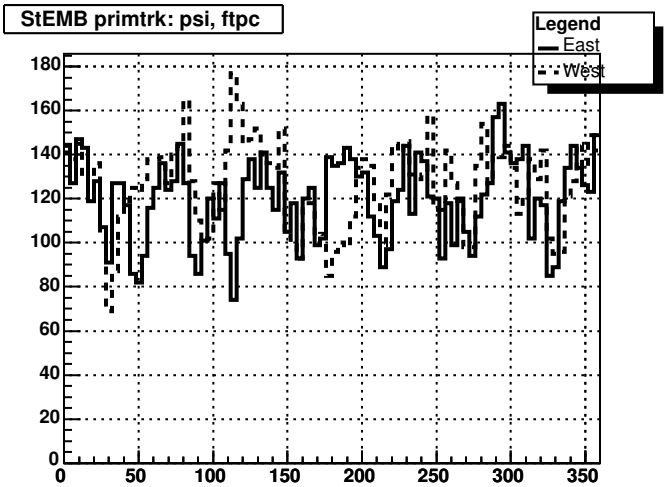


StEMB primtrk: first point: hit - helix (r,z), tpc

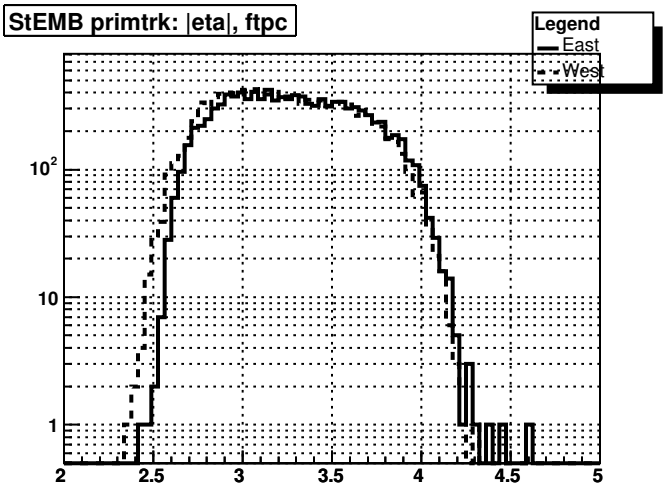




StEMB primtrk: psi, ftpc



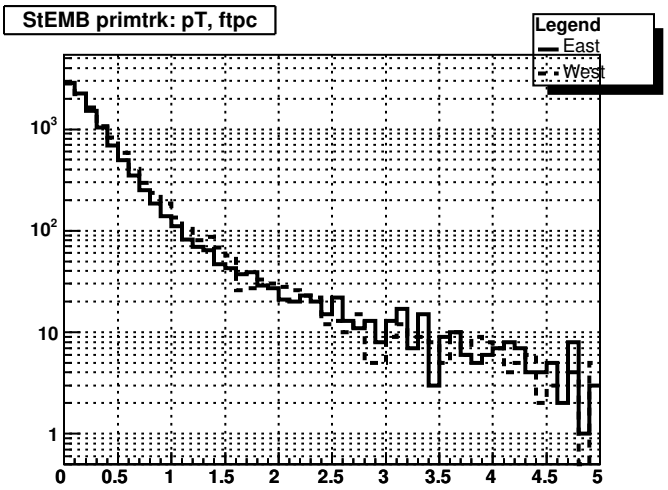
StEMB primtrk: |eta|, ftpc



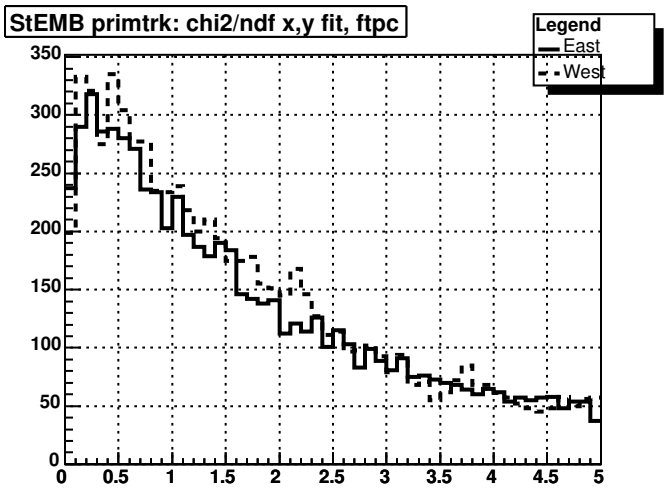
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

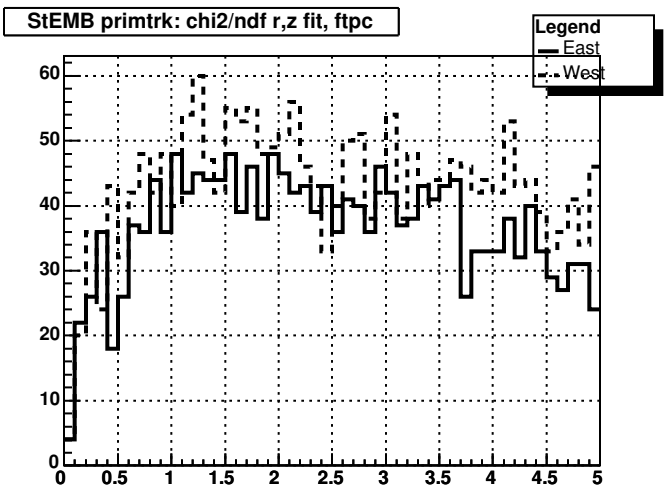
StEMB primtrk: pT, ftpc



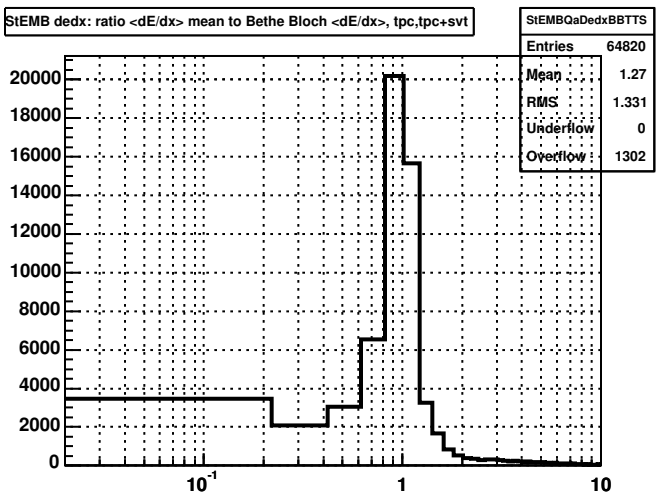
StEMB primtrk: chi2/ndf x,y fit, ftpc



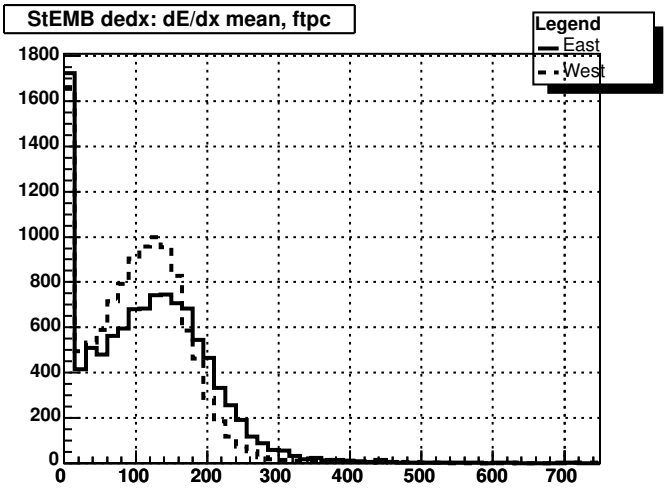
StEMB primtrk: chi2/ndf r,z fit, ftpc



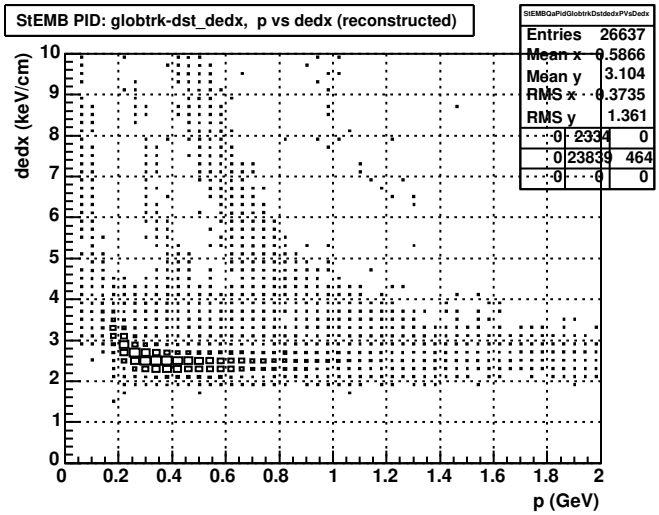
StEMB dedx: ratio <dE/dx> mean to Bethe Bloch <dE/dx>, tpc,tpc+svt



StEMB dedx: dE/dx mean, ftpc



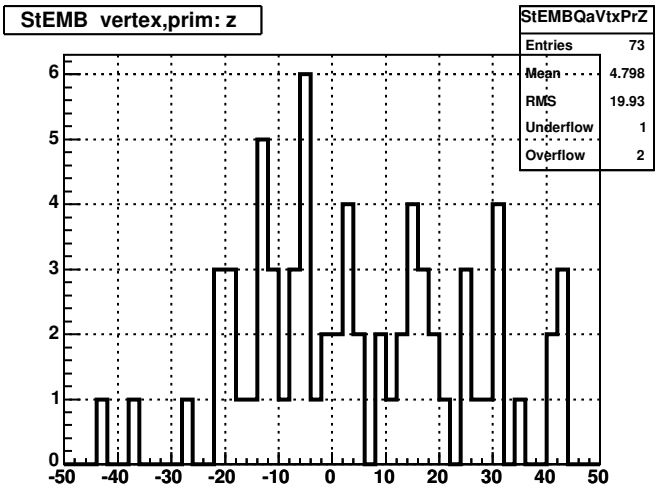
StEMB PID: globtrk-dst_dedx, p vs dedx (reconstructed)



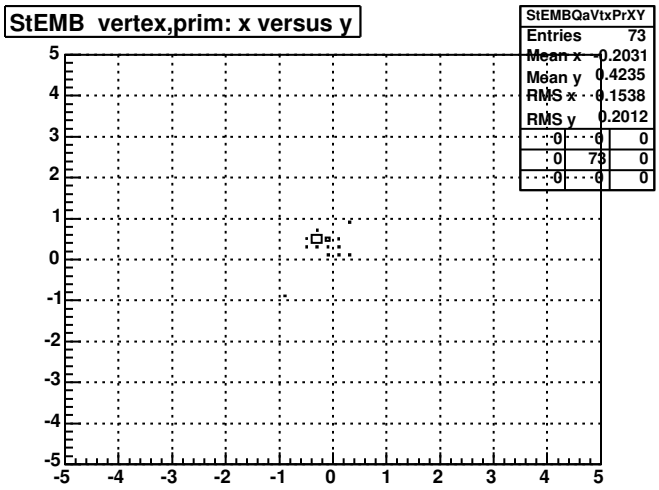
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

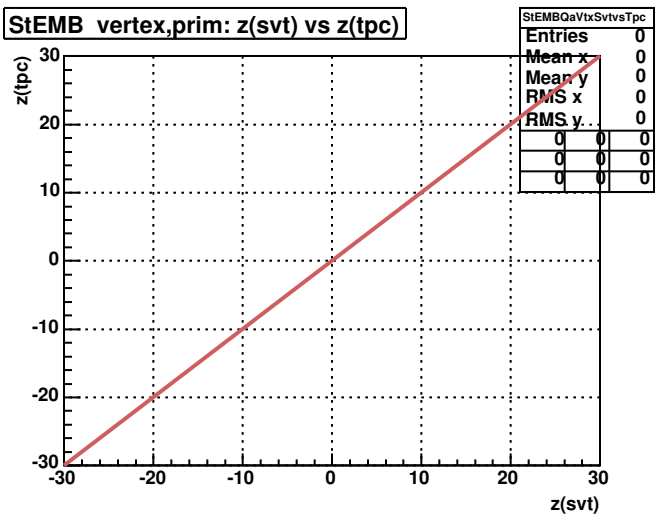
StEMB vertex,prim: z



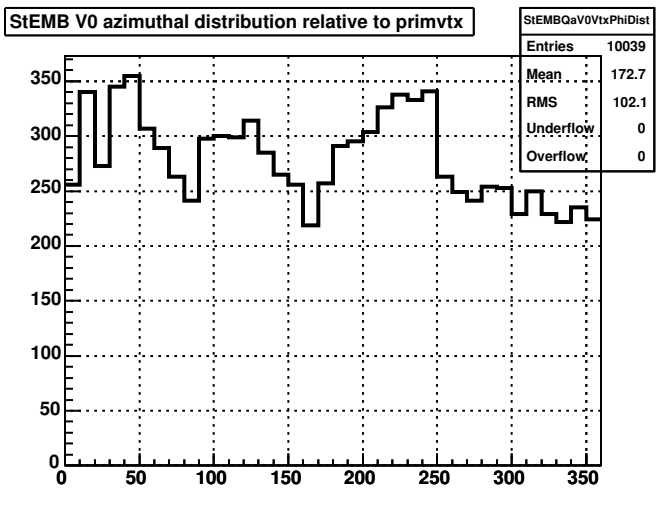
StEMB vertex,prim: x versus y



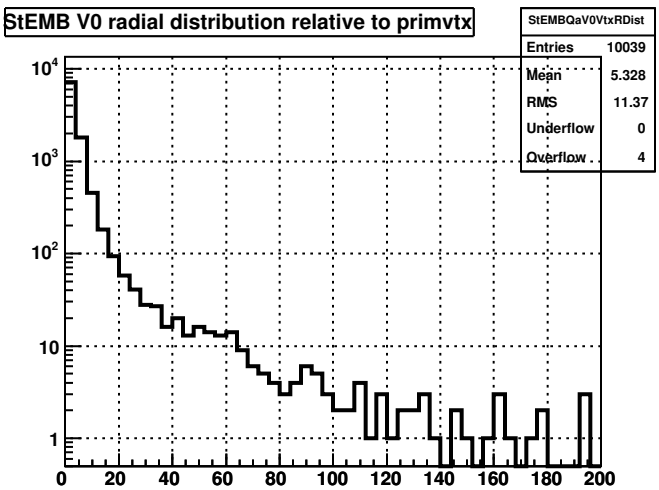
StEMB vertex,prim: z(svt) vs z(tpc)



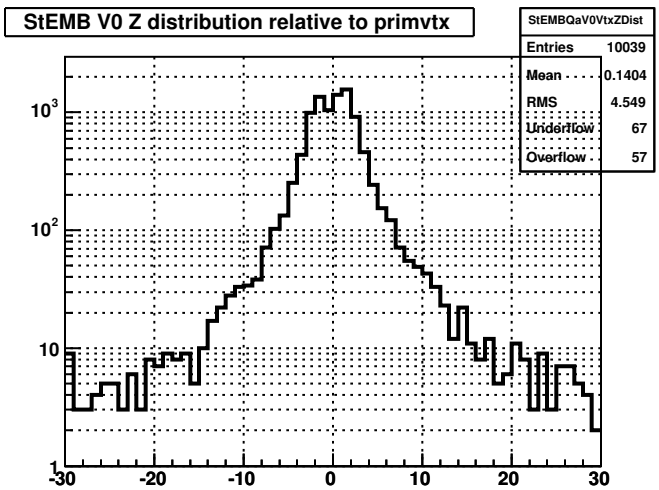
StEMB V0 azimuthal distribution relative to primvtx



StEMB V0 radial distribution relative to primvtx



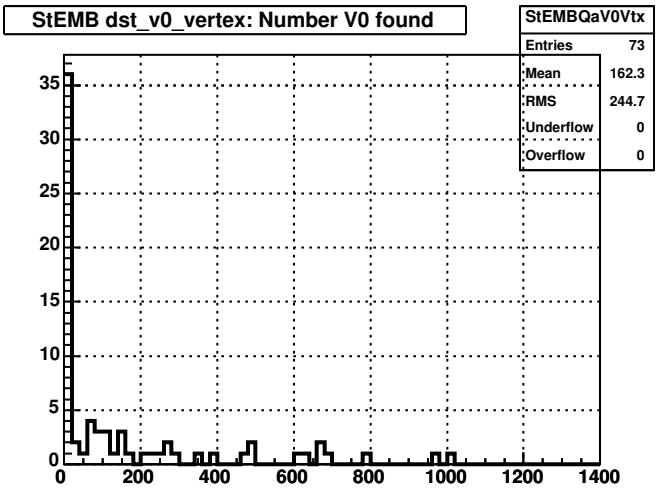
StEMB V0 Z distribution relative to primvtx



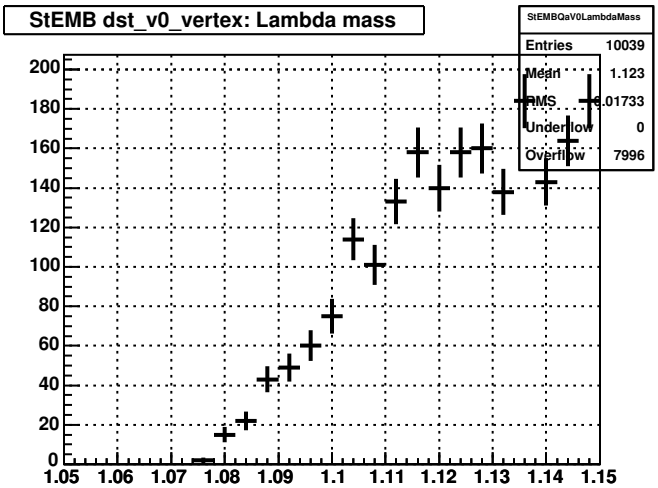
st_physics_5008019_raw_4020010.hist.root

MinBias Hists

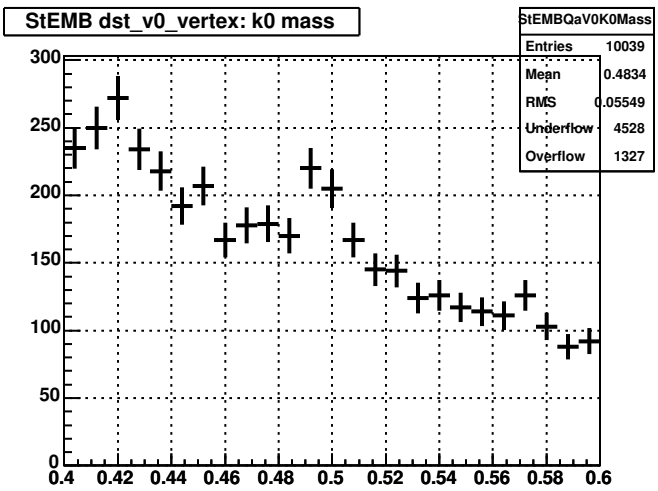
StEMB dst_v0_vertex: Number V0 found



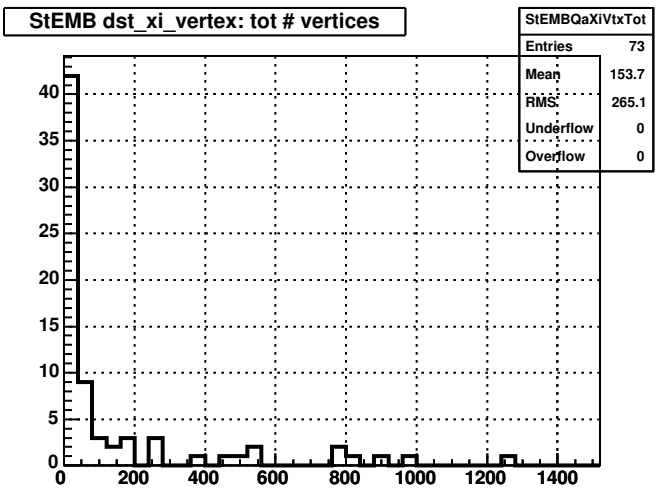
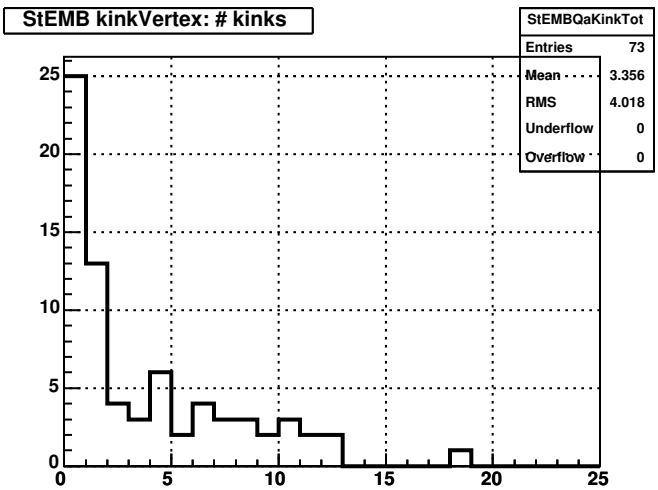
StEMB dst_v0_vertex: Lambda mass



StEMB dst_v0_vertex: k0 mass



StEMB dst_xi_vertex: tot # vertices



StEMB kinkVertex: # kinks