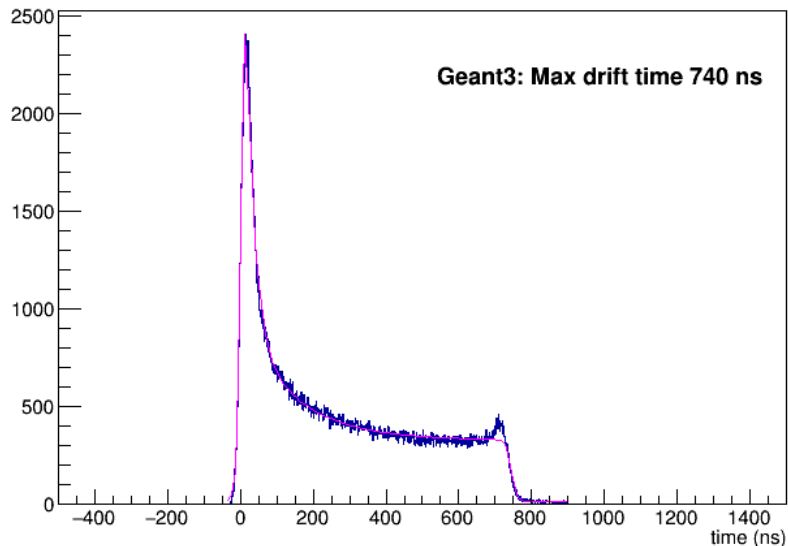
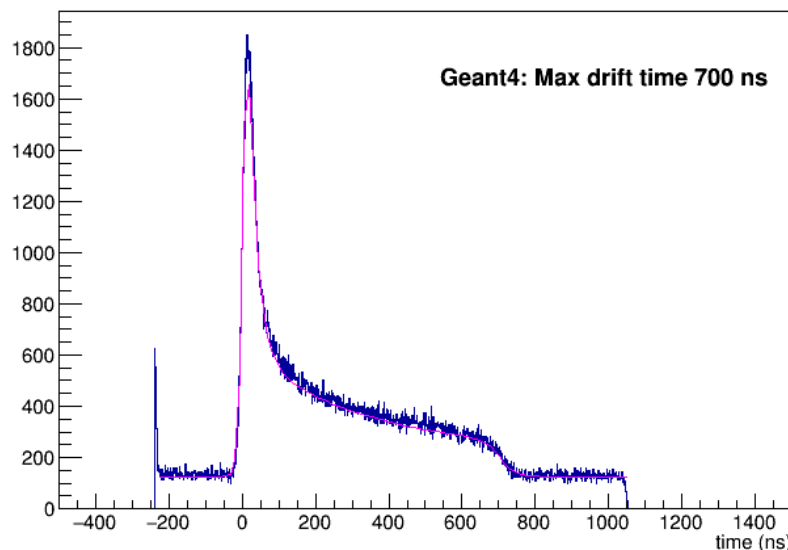


Geant 3, Geant 4 (random trigger from 30410) and Run 30410 CDC hits, 500k events
Run 30000, 5mm collimator, 1350 A solenoid current
Sim-recon 2.11, ccdb from end of June 12, HDGeant4 from June 23

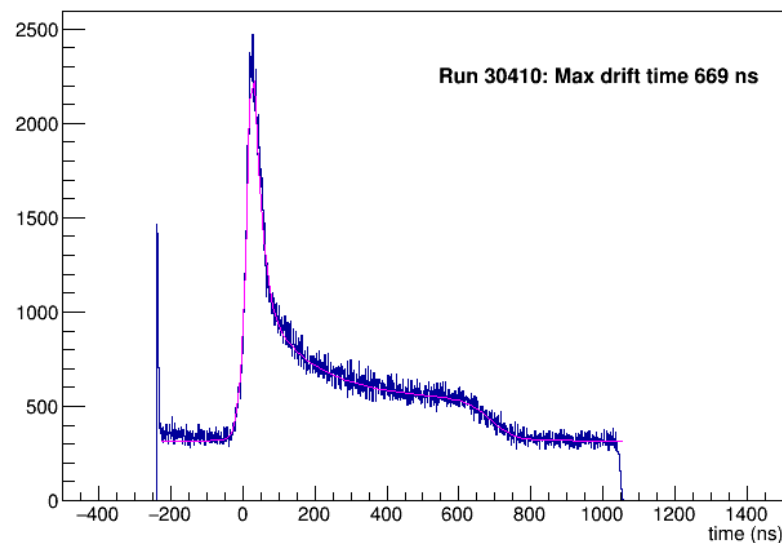
CDC time (units of ns)



CDC time (units of ns)

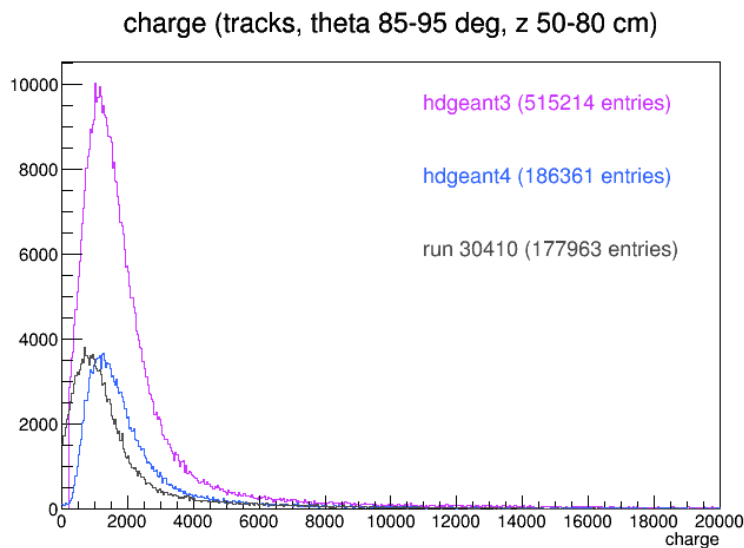
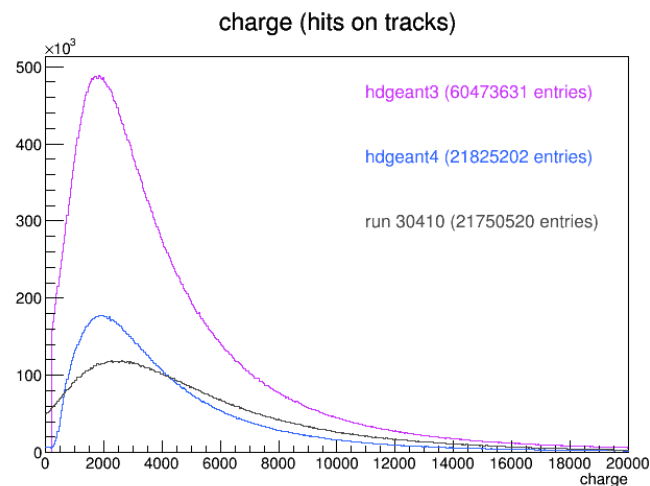
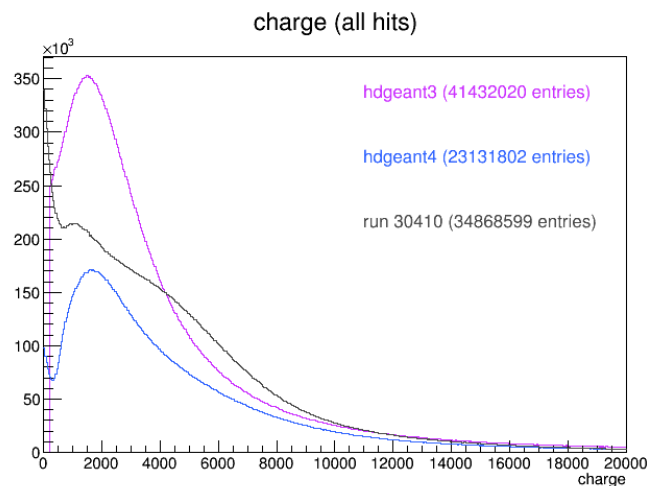


CDC time (units of ns)



All hits, no track requirement

Geant 3, Geant 4 (random trigger from 30410) and Run 30410 CDC hits
 Run 30000, 5mm collimator, 1350 A solenoid current
 Sim-recon 2.11, cddb from end of June 12, HDGeant4 from June 23

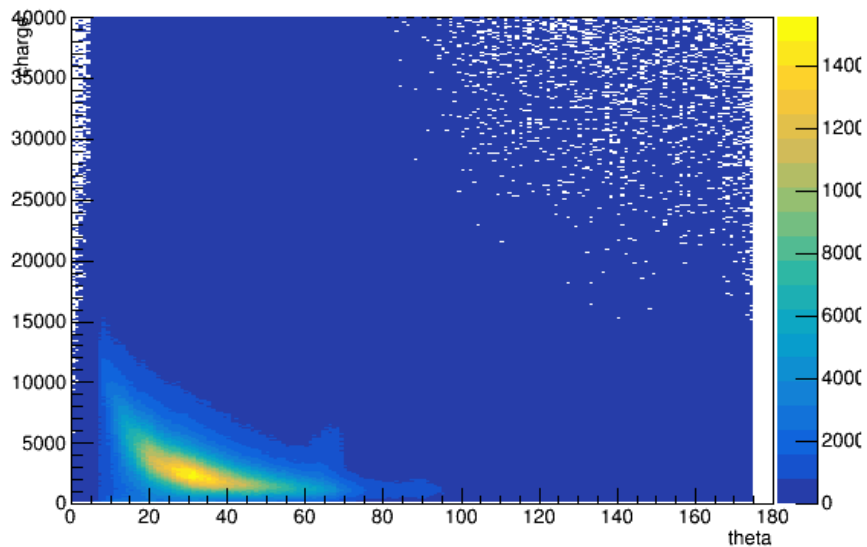


Geant 3: violet
 Geant 4: blue
 Real data: black

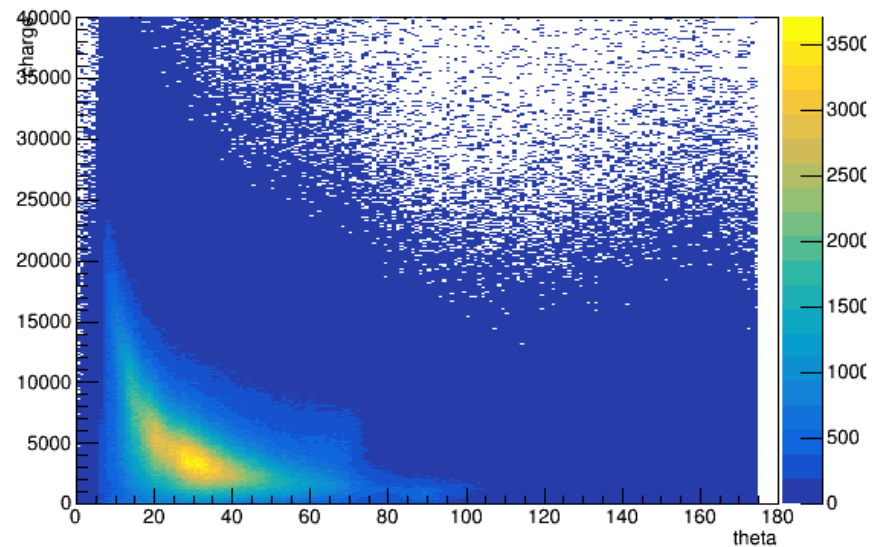
Gain calibrations matched charge peak from all hits on tracks to G3 for run 11621, then matched amplitude peak from tracks from the target in other runs to that for 11621. Charge (& amplitude) distributions change with theta, see next pages.

Charge from CDC hits (on tracks) vs track angle theta (linear z)

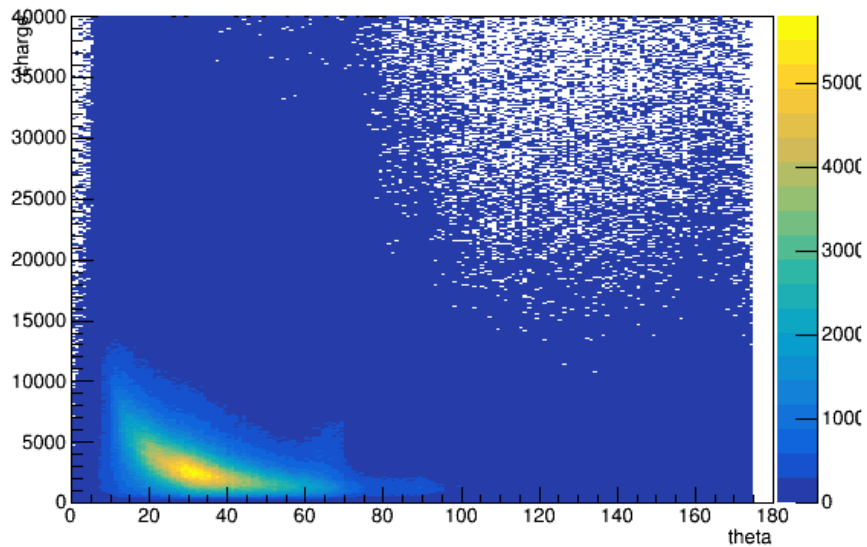
Geant 3, charge vs theta



Run 030410, charge vs theta

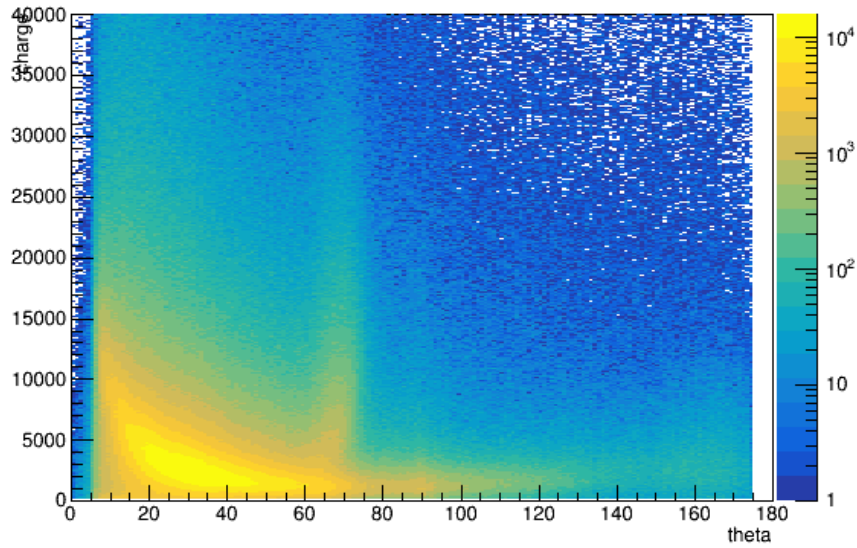


Geant 4, charge vs theta

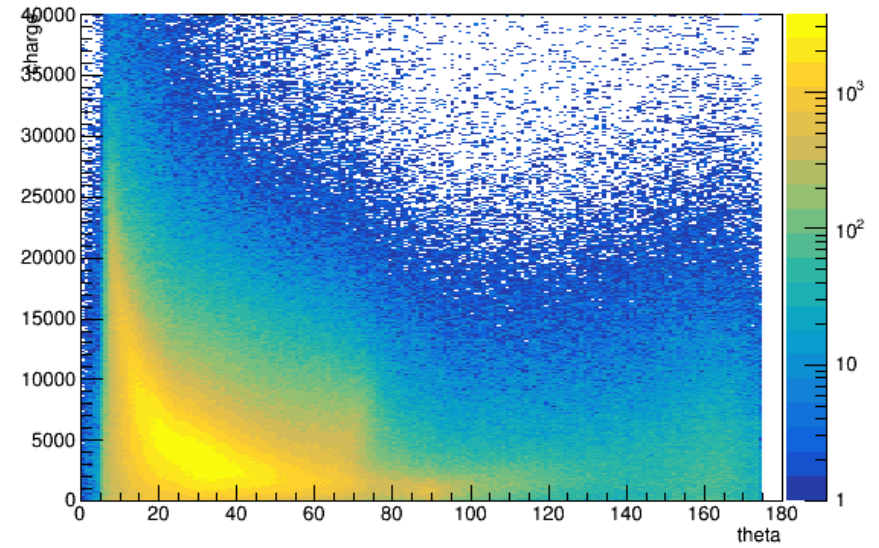


Charge from CDC hits (on tracks) vs track angle theta (log z)

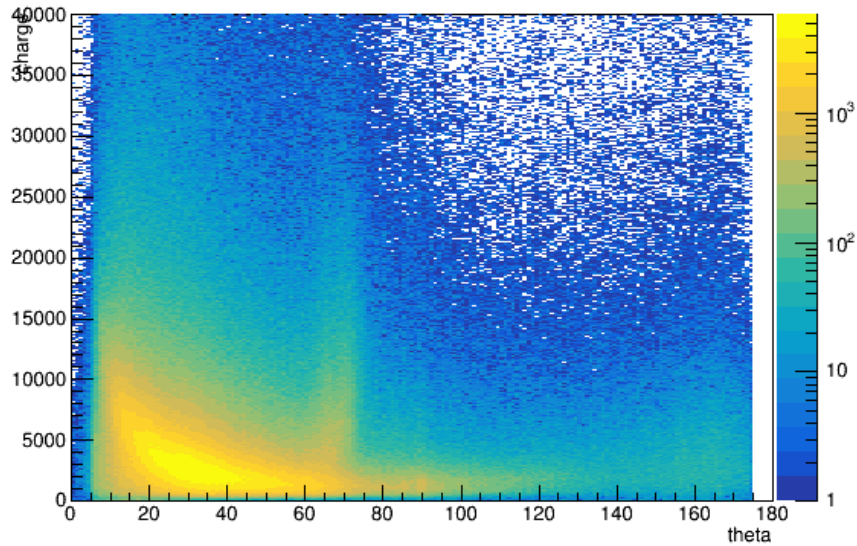
Geant 3, charge vs theta



Run 030410, charge vs theta



Geant 4, charge vs theta



From monitoring_hjsts, q+ dedX in CDC

