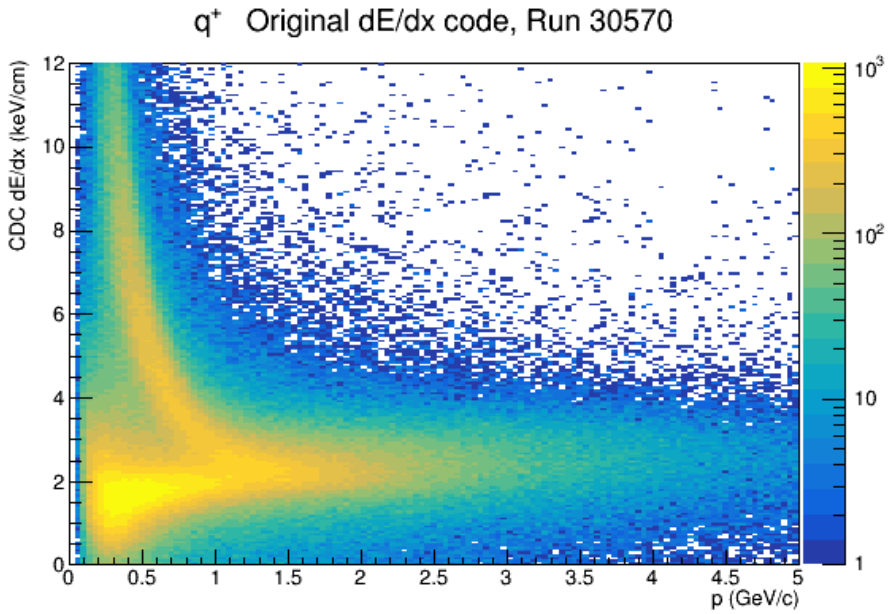
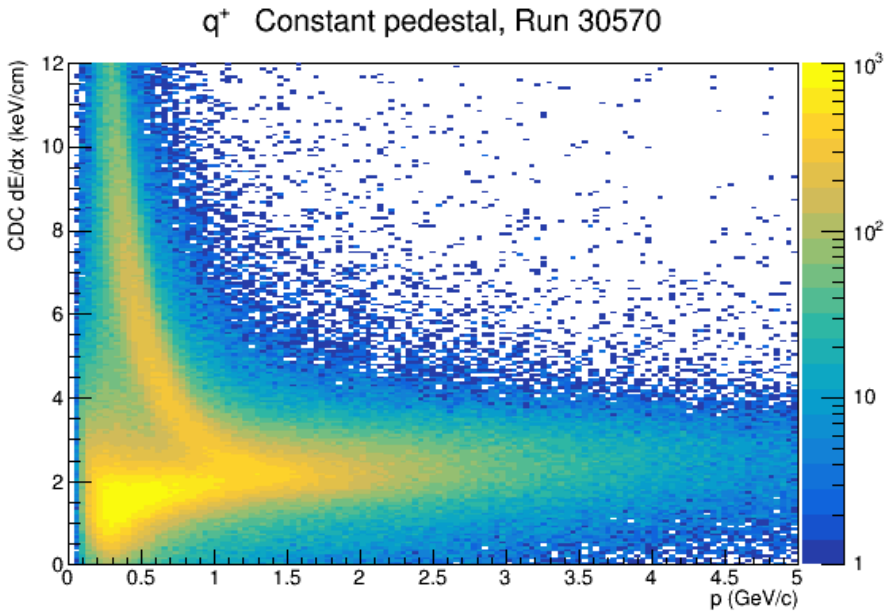
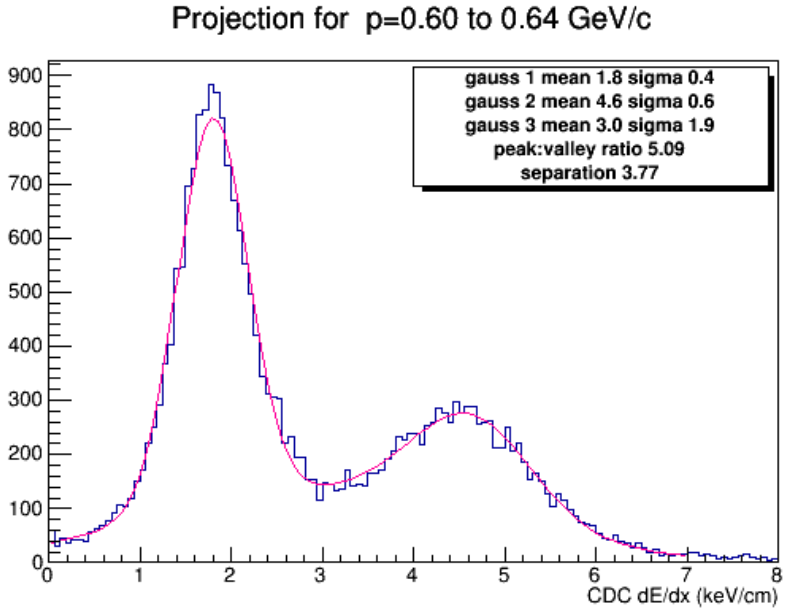
CDC dE/dx (from integral) with constant pedestal

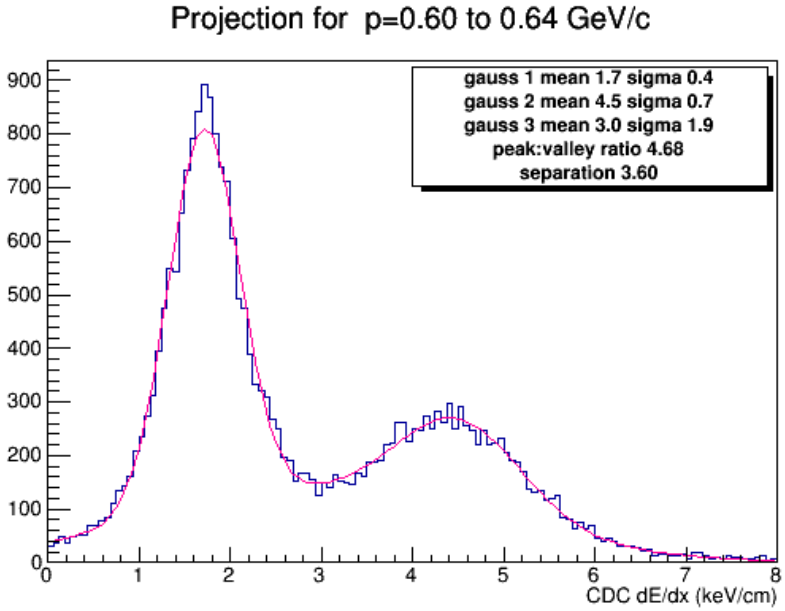
30570 5mm collimator, 58um diamond, 100nA, 1350A, 33kHz

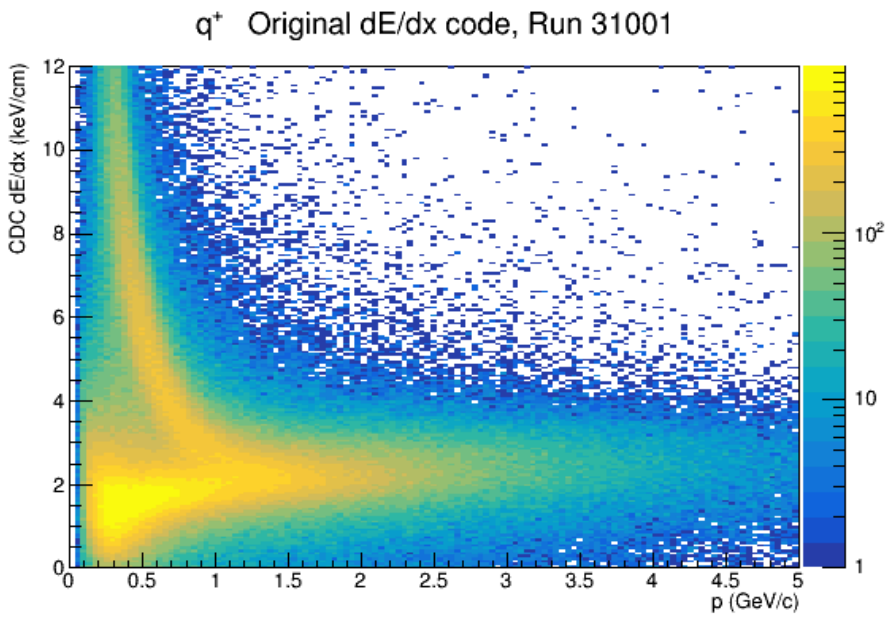
31001 5mm collimator, 58um diamond, 147nA, 1350A, 50kHz

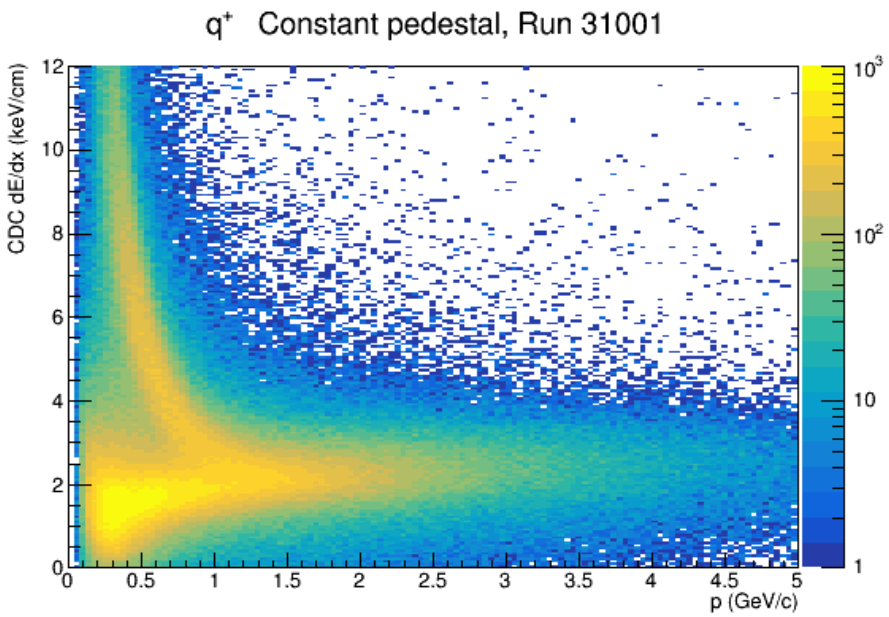

q+ Original dE/dx code, Run 30570
CDC dE/dx (keV/cm)
p (GeV/c)

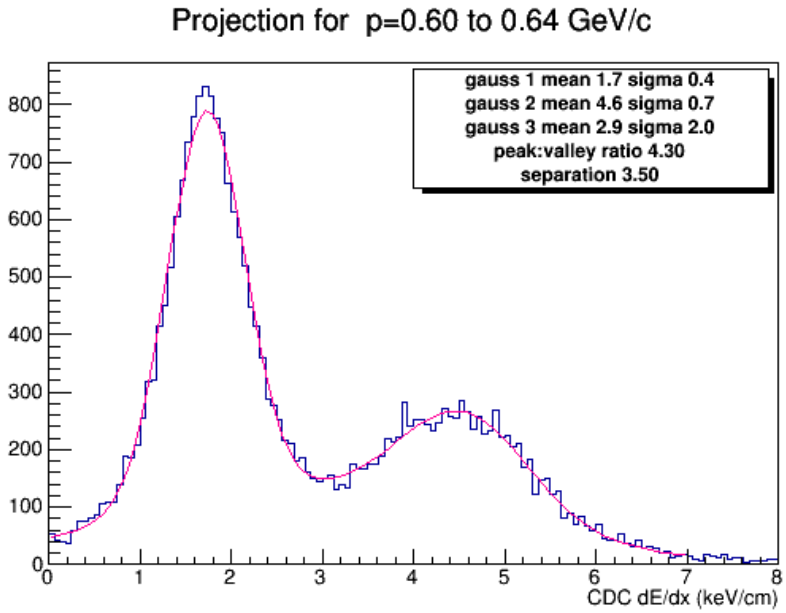

q+ Constant pedestal, Run 30570
CDC dE/dx (keV/cm)
p (GeV/c)

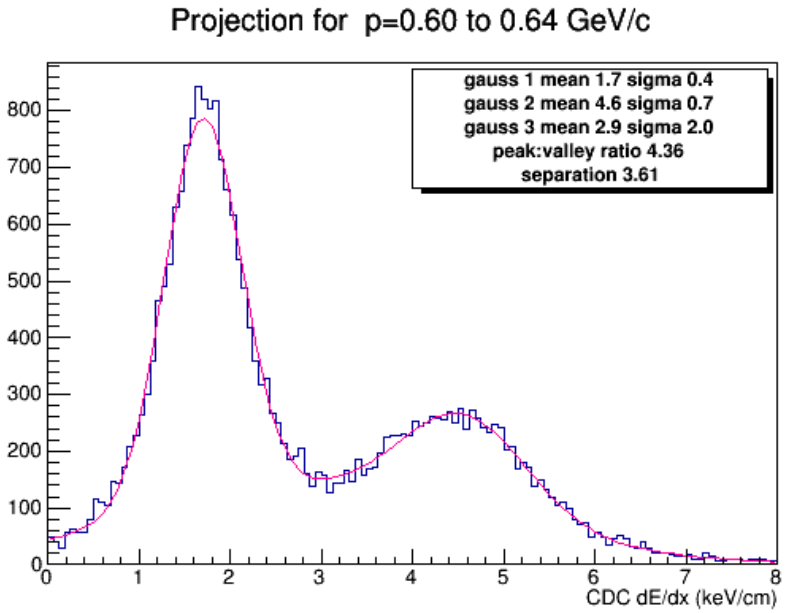

Projection for p=0.60 to 0.64 GeV/c
gauss 1 mean 1.8 sigma 0.4
gauss 2 mean 4.6 sigma 0.6
gauss 3 mean 3.0 sigma 1.9
peak:valley ratio 5.09
separation 3.77
CDC dE/dx (keV/cm)


Projection for p=0.60 to 0.64 GeV/c
gauss 1 mean 1.7 sigma 0.4
gauss 2 mean 4.5 sigma 0.7
gauss 3 mean 3.0 sigma 1.9
peak:valley ratio 4.68
separation 3.60
CDC dE/dx (keV/cm)


q+ Original dE/dx code, Run 31001
CDC dE/dx (keV/cm)
p (GeV/c)


q+ Constant pedestal, Run 31001
CDC dE/dx (keV/cm)
p (GeV/c)


Projection for p=0.60 to 0.64 GeV/c
gauss 1 mean 1.7 sigma 0.4
gauss 2 mean 4.6 sigma 0.7
gauss 3 mean 2.9 sigma 2.0
peak:valley ratio 4.30
separation 3.50
CDC dE/dx (keV/cm)


Projection for p=0.60 to 0.64 GeV/c
gauss 1 mean 1.7 sigma 0.4
gauss 2 mean 4.6 sigma 0.7
gauss 3 mean 2.9 sigma 2.0
peak:valley ratio 4.36
separation 3.61
CDC dE/dx (keV/cm)

Run	Event rate	Original dE/dx separation	Constant pedestal separation	Amplitude dE/dx separation
30570	33kHz	3.8	3.6	4.6
31001	50kHz	3.5	3.6	4.6