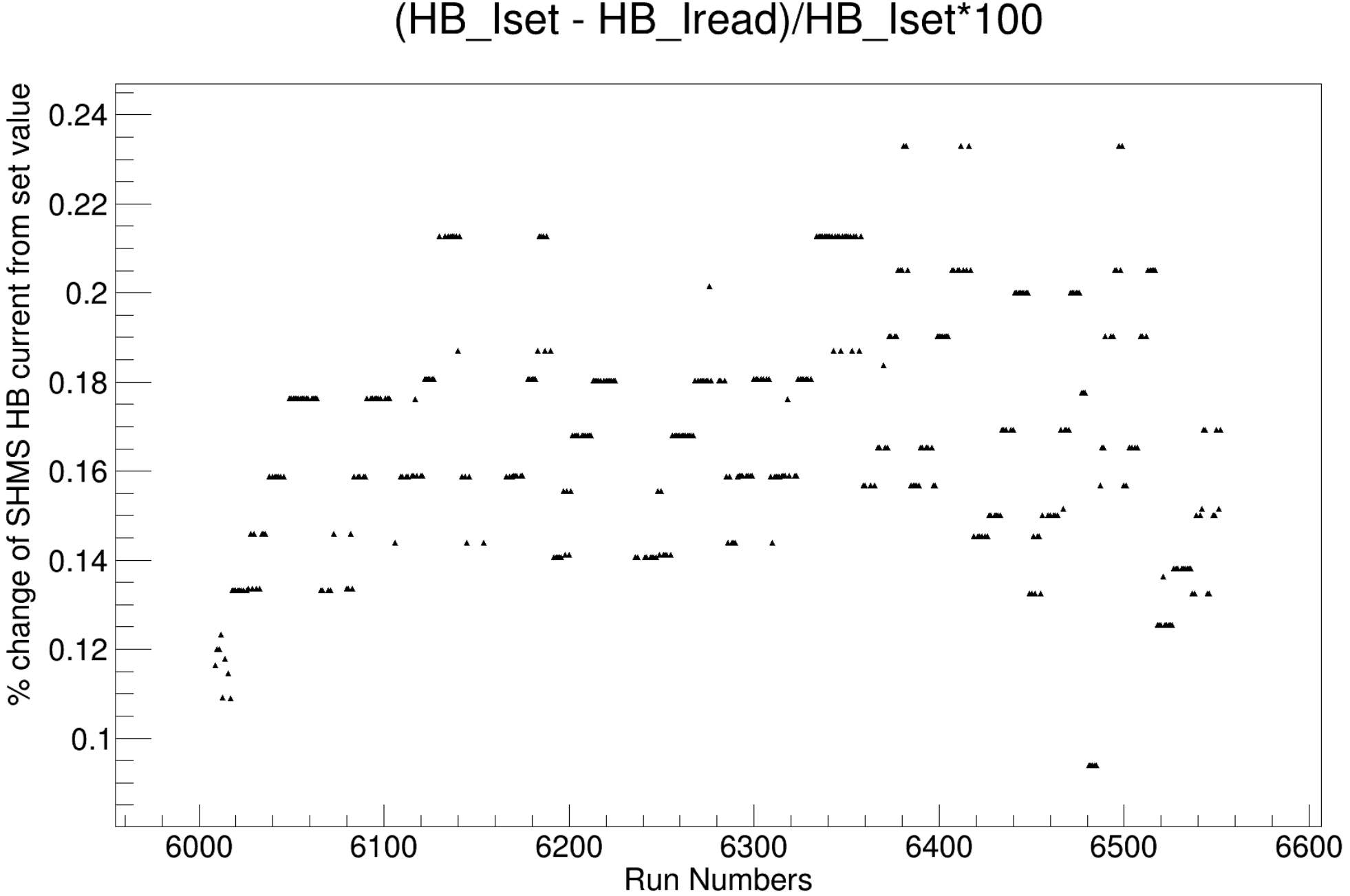
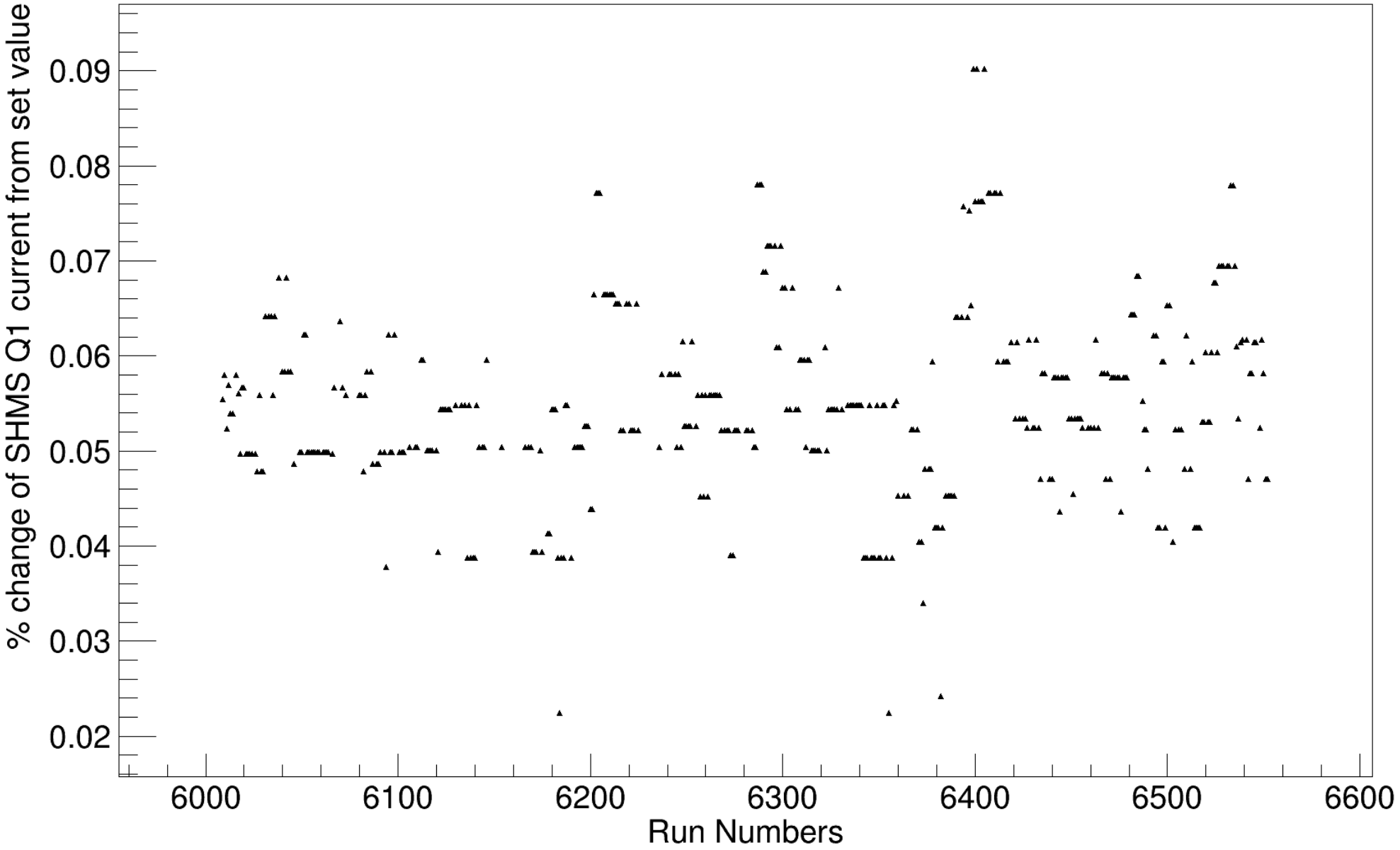
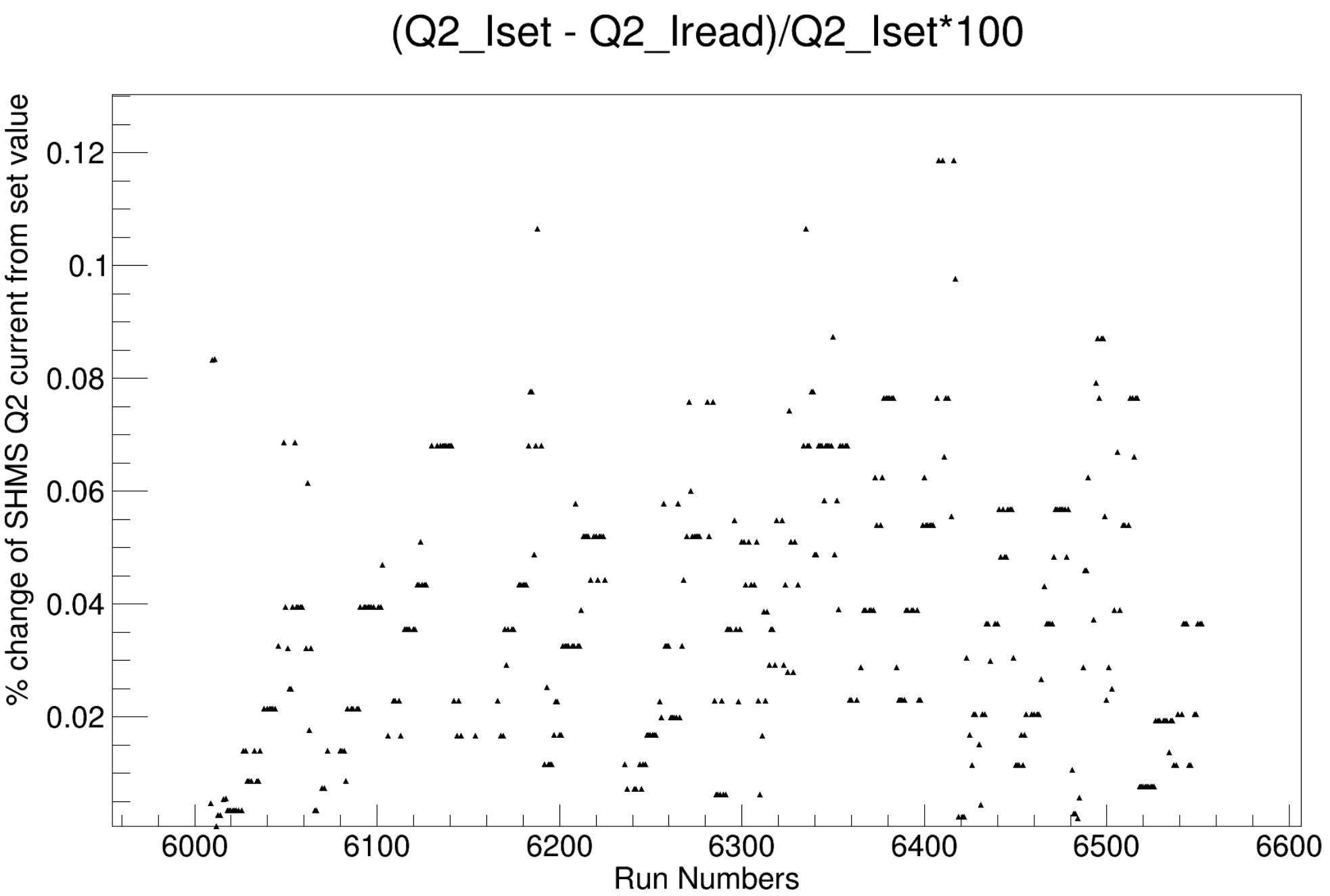
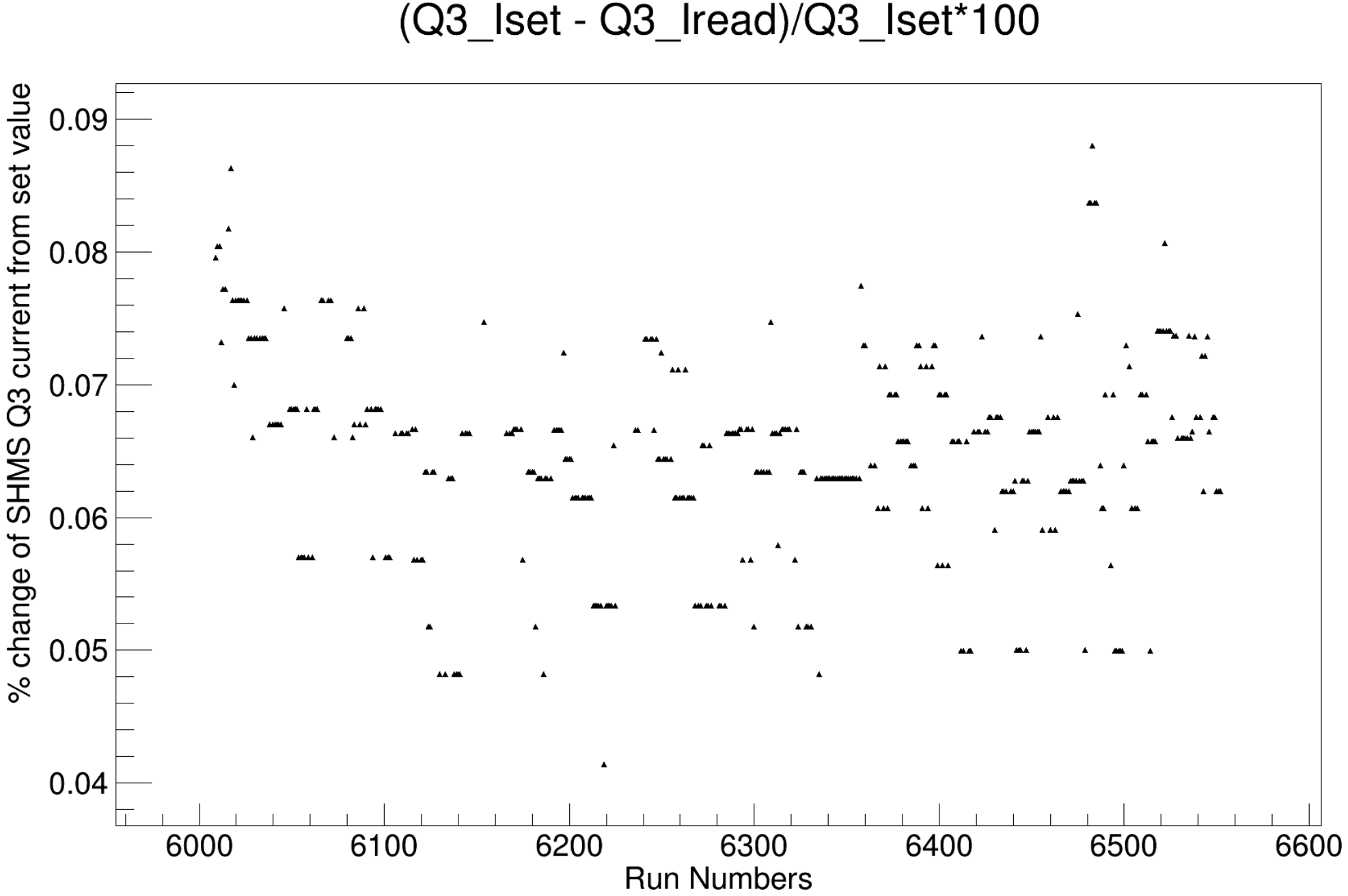
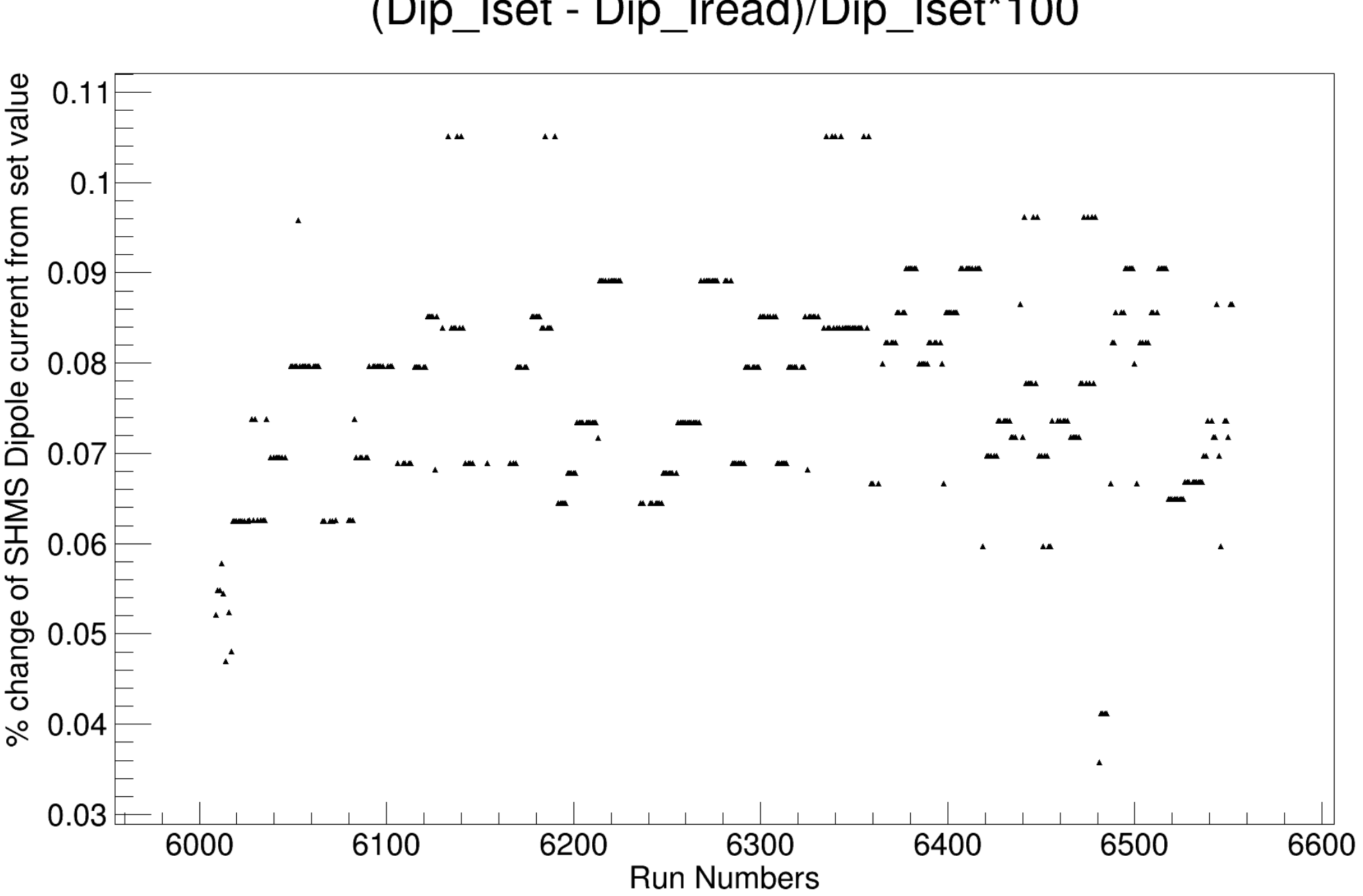
->Total Runs : 6009 – 6552 = 544
->Good runs : 455
->Junk runs : 89
->List of good runs :
->Angle checked : few errors after 2nd decimal places
->Corrected for angle standard Kinematics
->Beam Energy is varying from (10595 – 10606) MeV (from first epics30)
->Need to update the standard.kinematics with beam energy from epics ?
->Added the HMS and SHMS Magnet Current, NMR, Beam Energy, Target Temp. in Root file.
->Beam Energy strip chart
->% Deviation of Magnet Current from set value
->Proper timing Cuts (need to start)

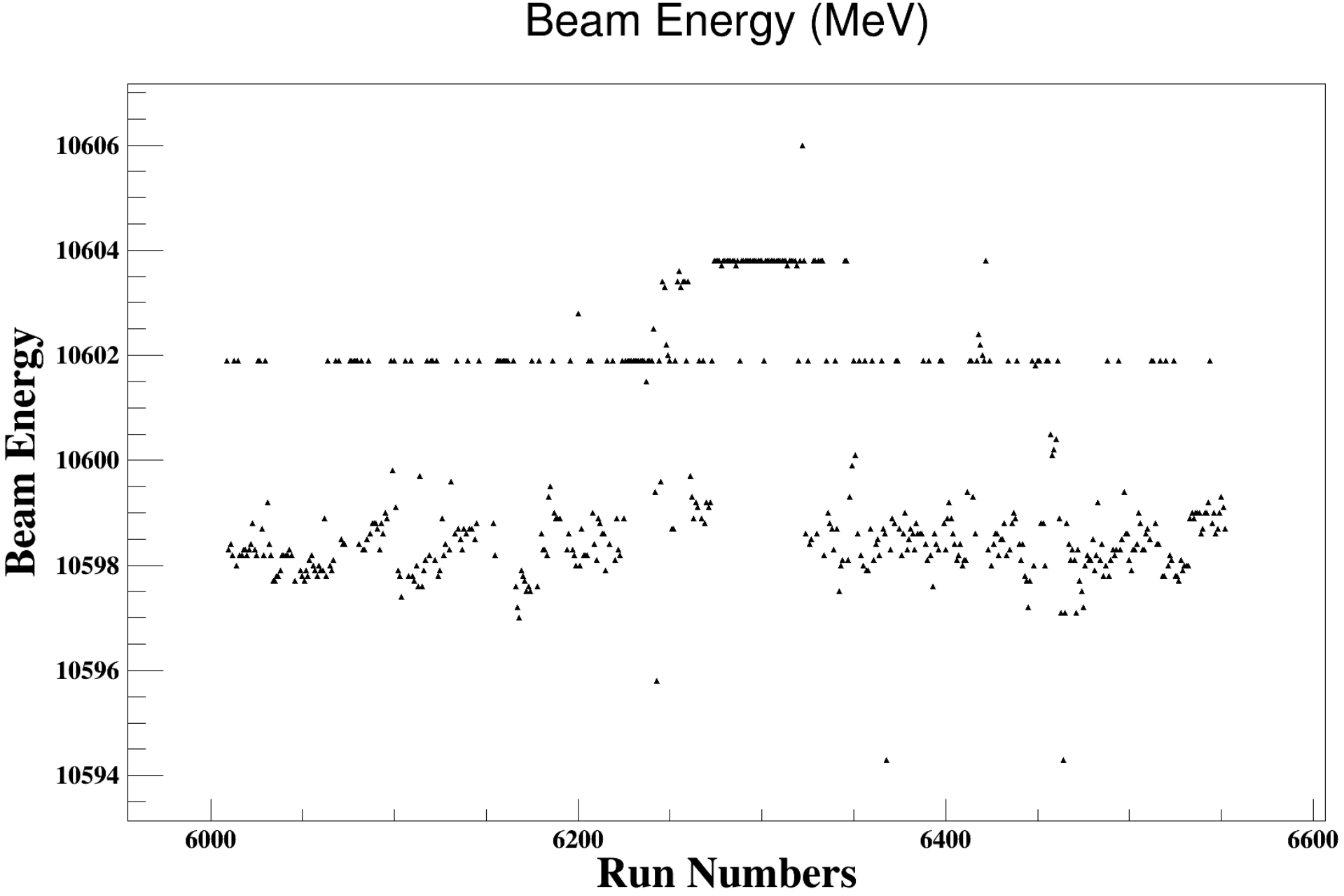

(HB_Iset - HB_Iread)/HB_Iset*100
% change of SHMS HB current from set value
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
6000
6100
6200
6300
6400
6500
6600
Run Numbers


(Q1_Iset - Q1_Iread)/Q1_Iset*100
% change of SHMS Q1 current from set value
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
6000
6100
6200
6300
6400
6500
6600
Run Numbers

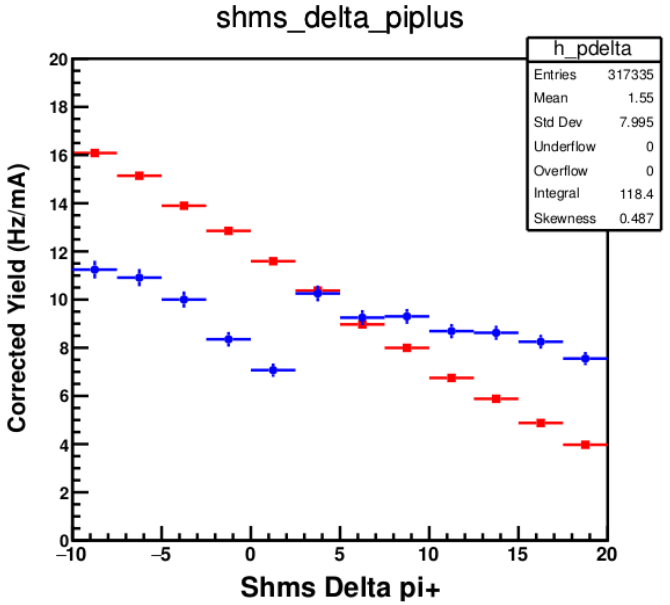

(Q2_Iset - Q2_Iread)/Q2_Iset*100
% change of SHMS Q2 current from set value
0.12
0.1
0.08
0.06
0.04
0.02
6000
6100
6200
6300
6400
6500
6600
Run Numbers

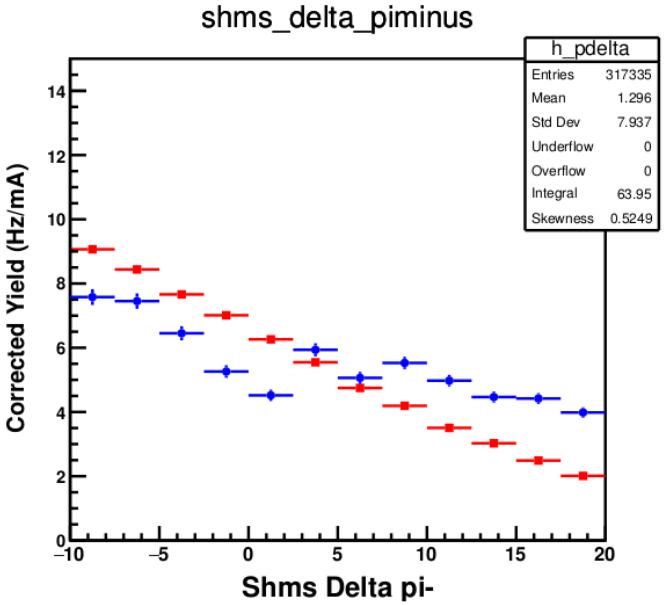

(Q3_Iset - Q3_Iread)/Q3_Iset*100
% change of SHMS Q3 current from set value
0.09
0.08
0.07
0.06
0.05
0.04
6000
6100
6200
6300
6400
6500
6600
Run Numbers

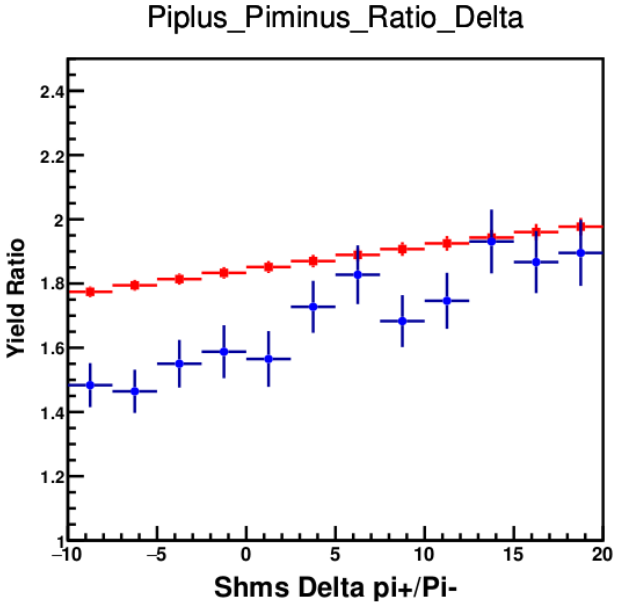

(Dip_Iset - Dip_Iread)/Dip_Iset*100
% change of SHMS Dipole current from set value
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
6000
6100
6200
6300
6400
6500
6600
Run Numbers

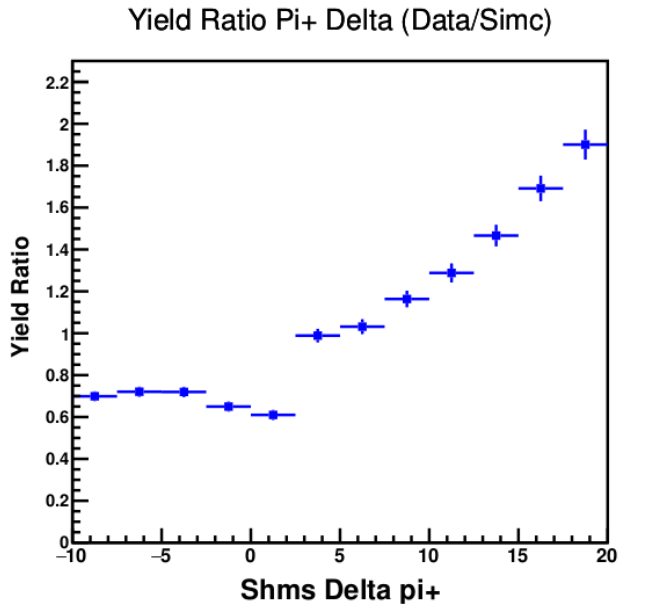

Beam Energy (MeV)
10606
10604
10602
10600
10598
10596
10594
Beam Energy
6000
6200
6400
6600
Run Numbers

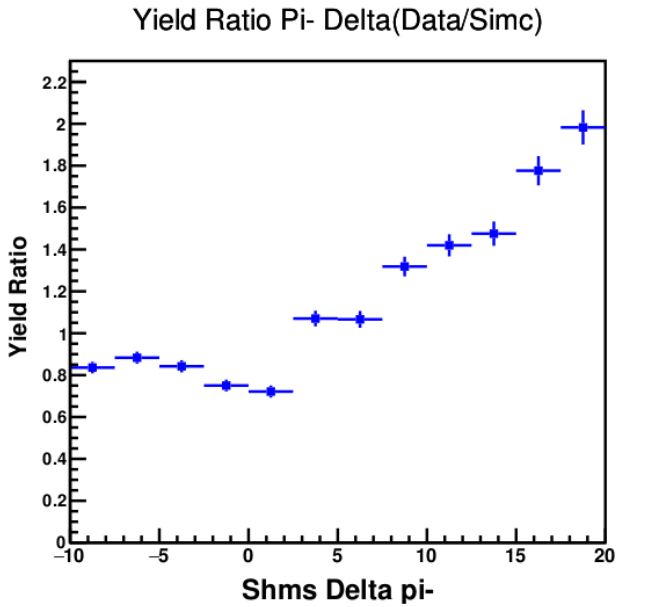
D2 Target 13-1 :14-1

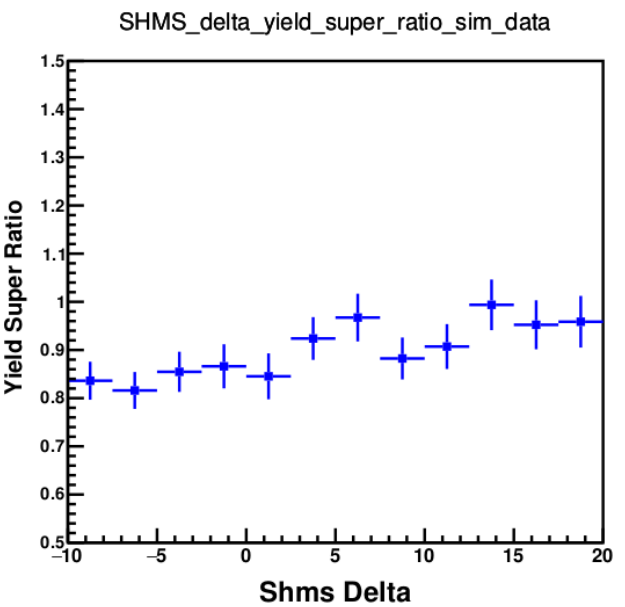




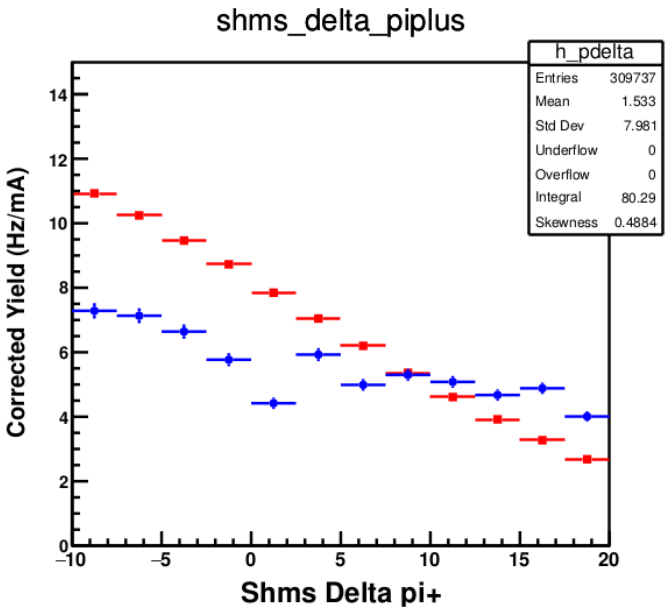


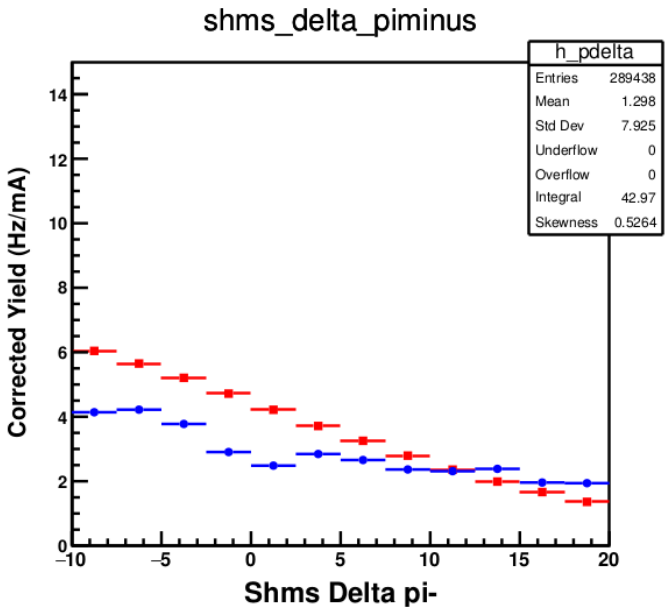


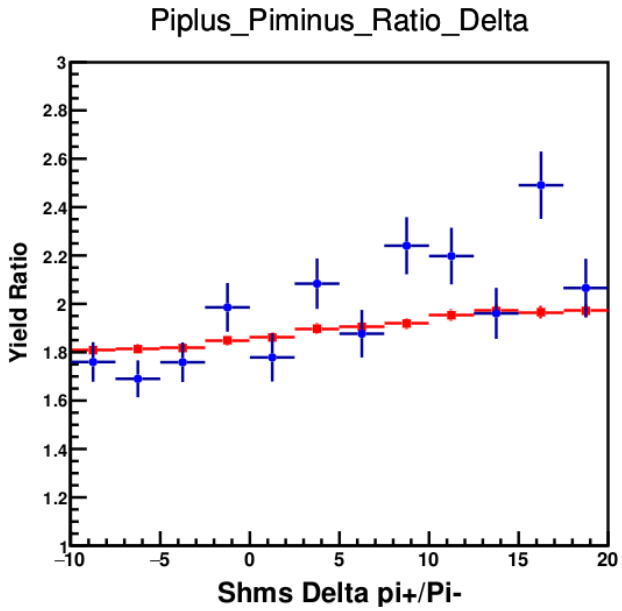


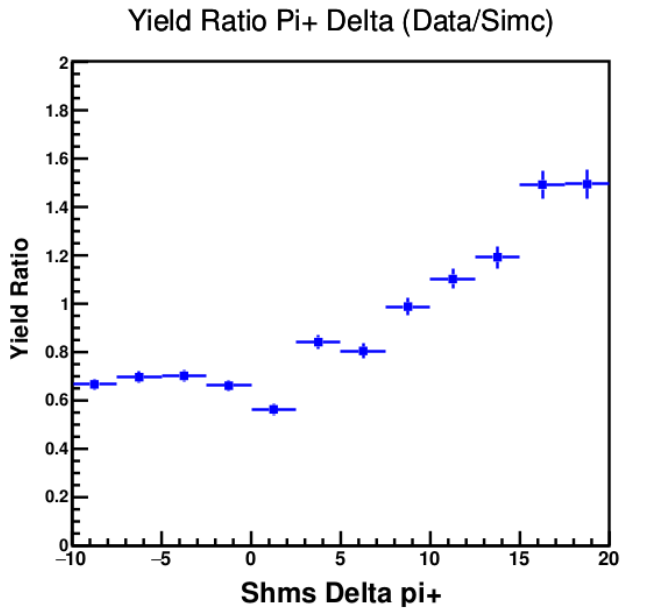


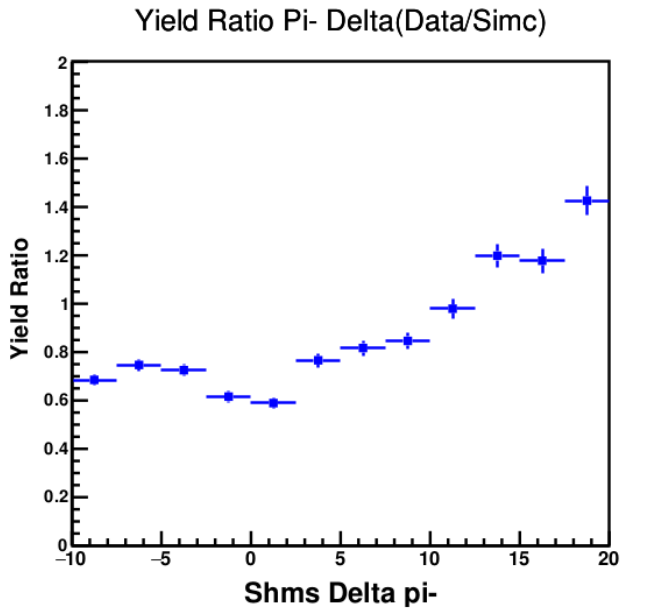
17-1 : 17-3

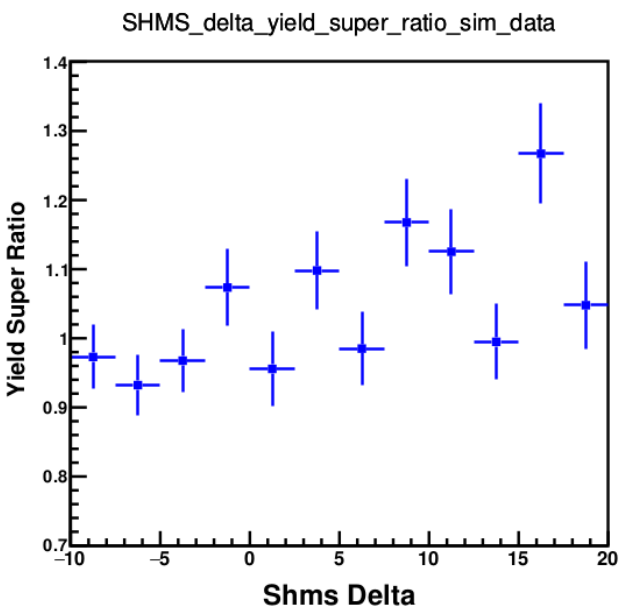

shms_delta_piplus
h_pdelta
Entries 309737
Mean 1.533
Std Dev 7.981
Underflow 0
Overflow 0
Integral 80.29
Skewness 0.4884
Corrected Yield (Hz/mA)
Shms Delta pi+


shms_delta_piminus
h_pdelta
Entries 289438
Mean 1.298
Std Dev 7.925
Underflow 0
Overflow 0
Integral 42.97
Skewness 0.5264
Corrected Yield (Hz/mA)
Shms Delta pi-


Piplus_Piminus_Ratio_Delta
Yield Ratio
Shms Delta pi+/Pi-


Yield Ratio Pi+ Delta (Data/Simc)
Yield Ratio
Shms Delta pi+


Yield Ratio Pi- Delta(Data/Simc)
Yield Ratio
Shms Delta pi-


SHMS_delta_yield_super_ratio_sim_data
Yield Super Ratio
Shms Delta