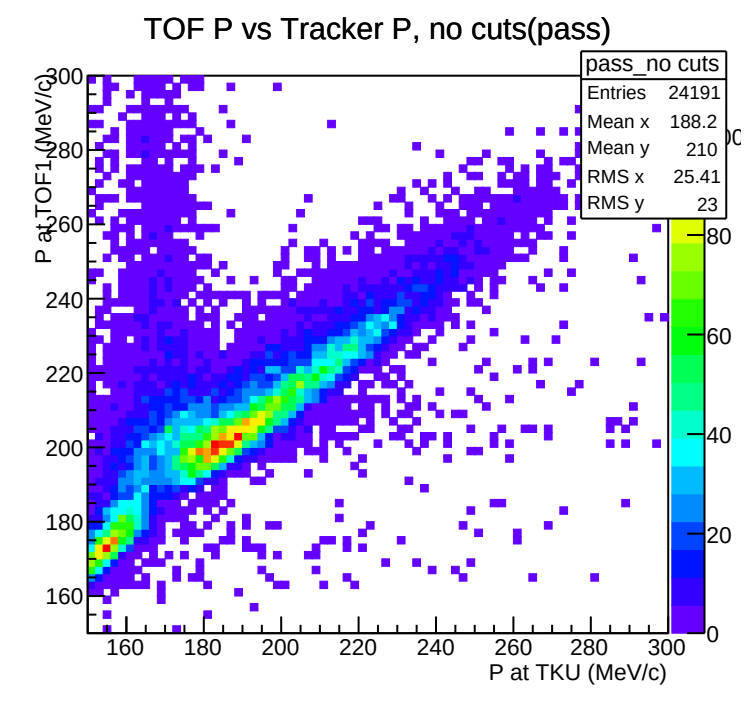
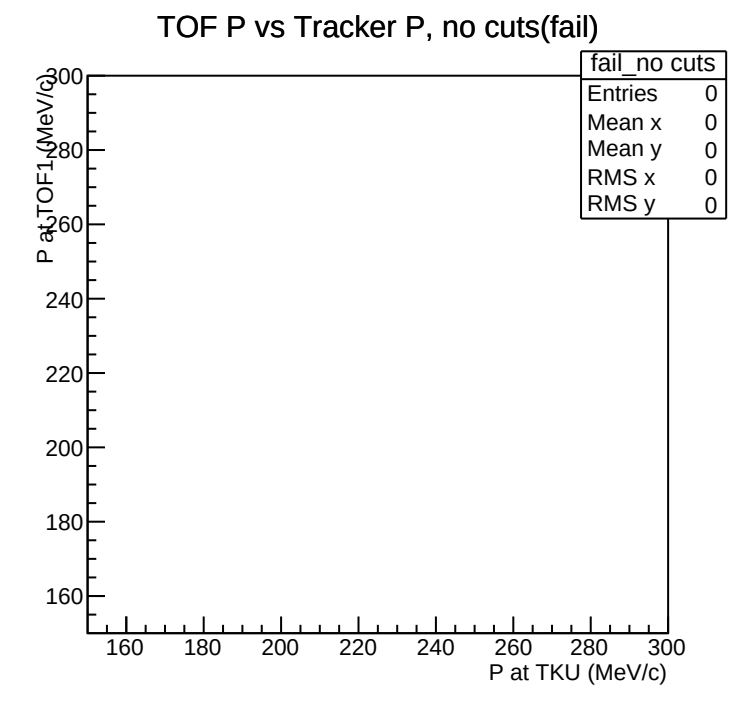
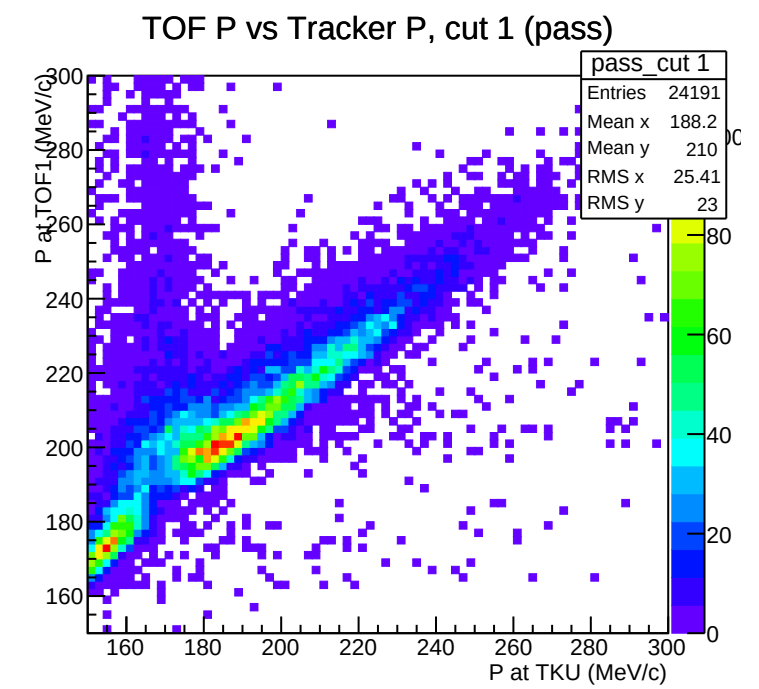
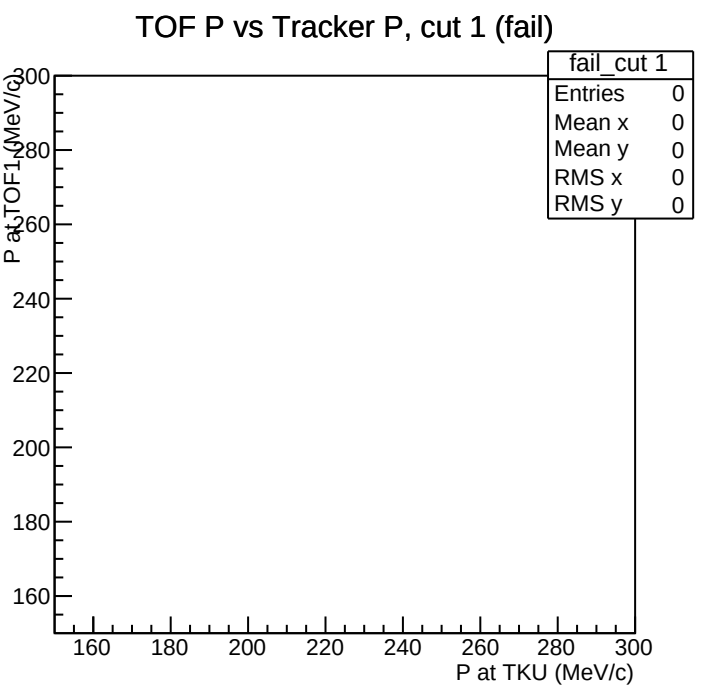
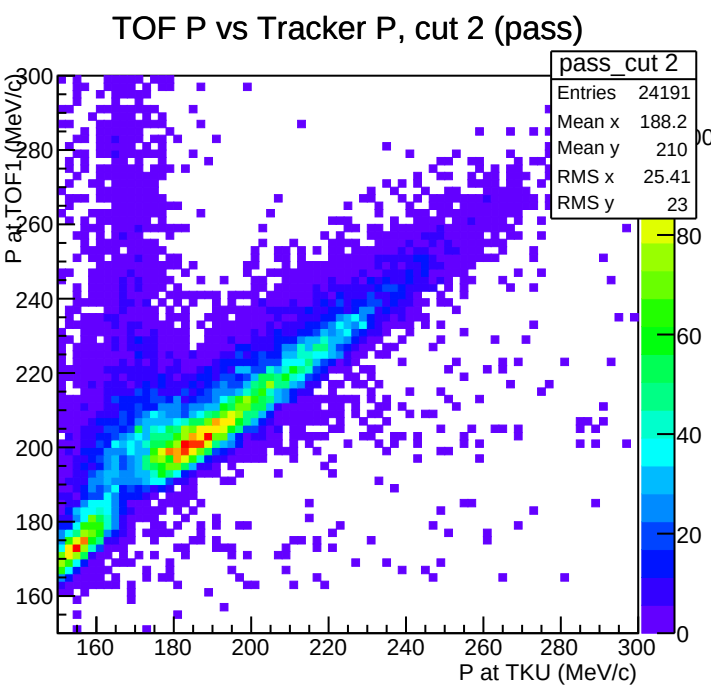
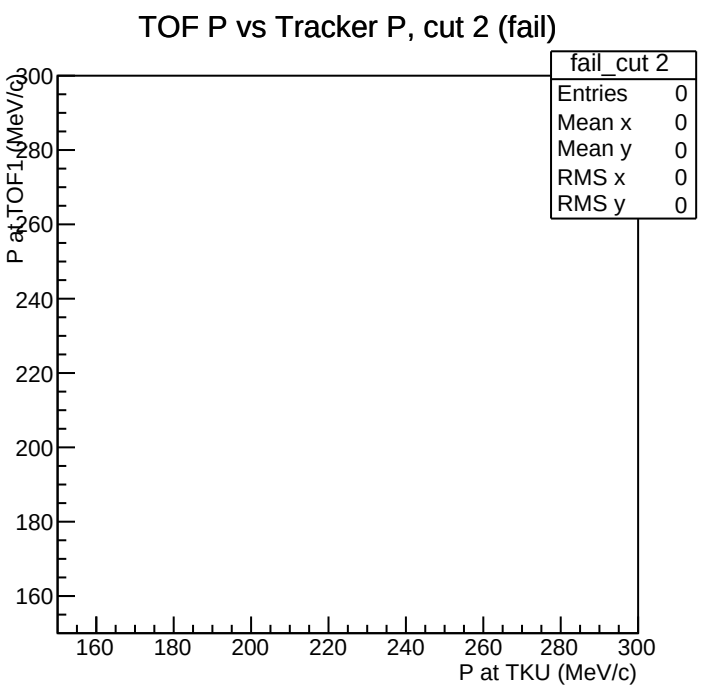

TOF P vs Tracker P, no cuts(pass)
pass_no cuts
Entries 24191
Mean x 188.2
Mean y 210
RMS x 25.41
RMS y 23
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
20
40
60
80

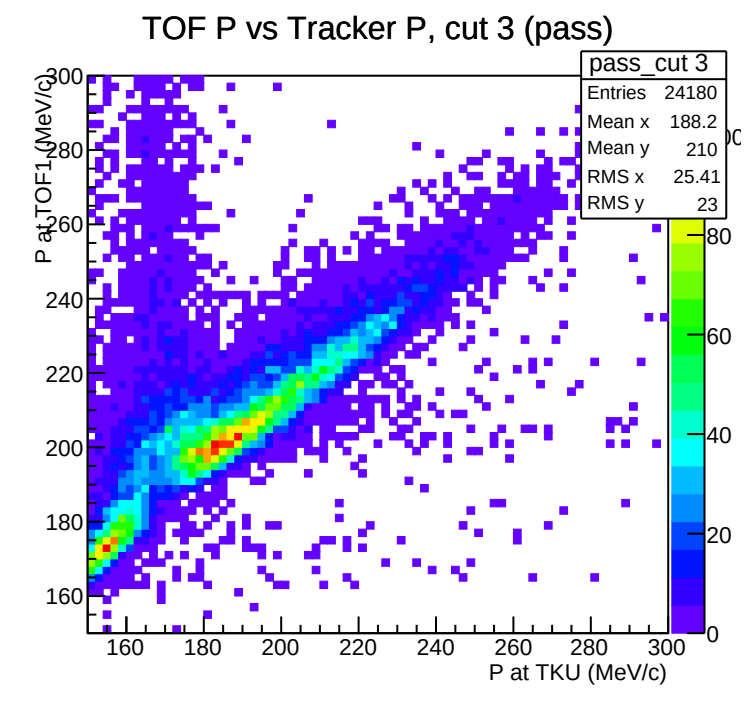

TOF P vs Tracker P, no cuts(fail)
fail_no cuts
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300

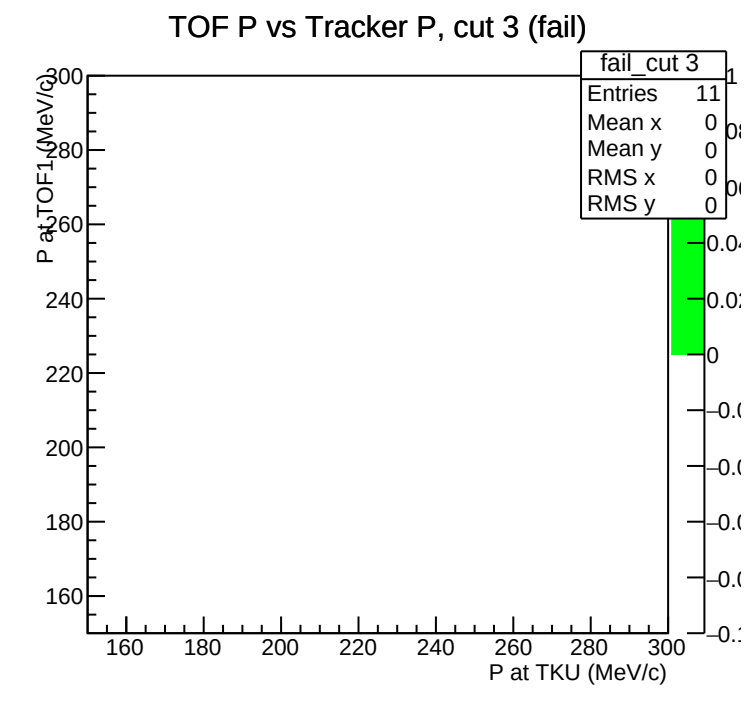

TOF P vs Tracker P, cut 1 (pass)
pass_cut 1
Entries 24191
Mean x 188.2
Mean y 210
RMS x 25.41
RMS y 23
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
20
40
60
80

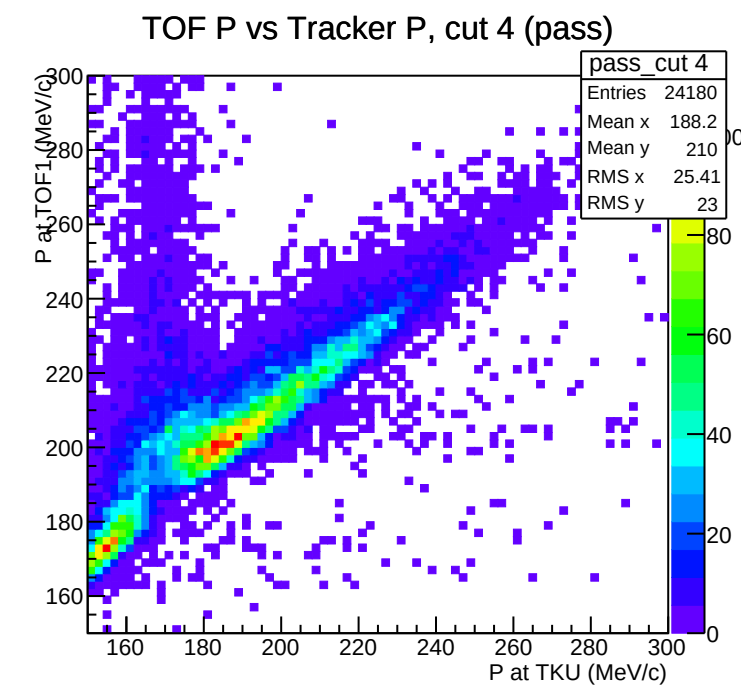

TOF P vs Tracker P, cut 1 (fail)
fail_cut 1
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300

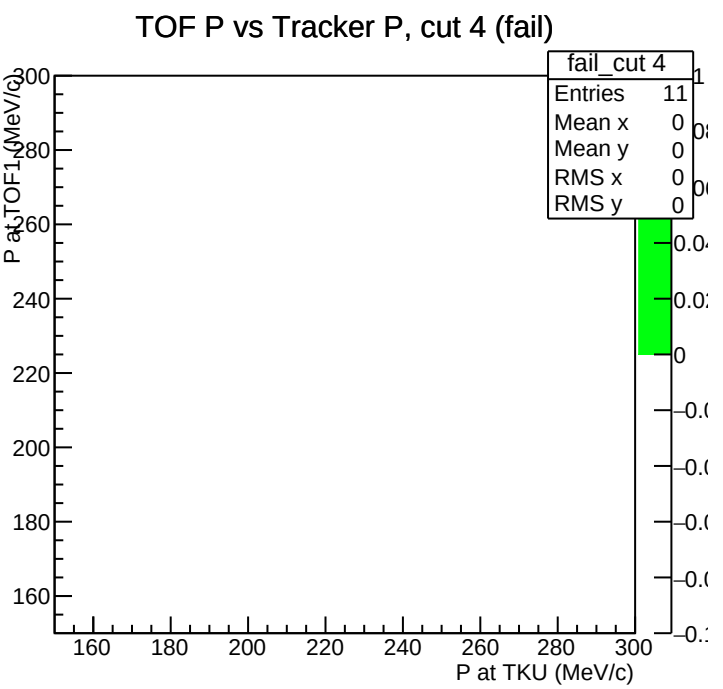

TOF P vs Tracker P, cut 2 (pass)
pass_cut 2
Entries 24191
Mean x 188.2
Mean y 210
RMS x 25.41
RMS y 23
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
20
40
60
80

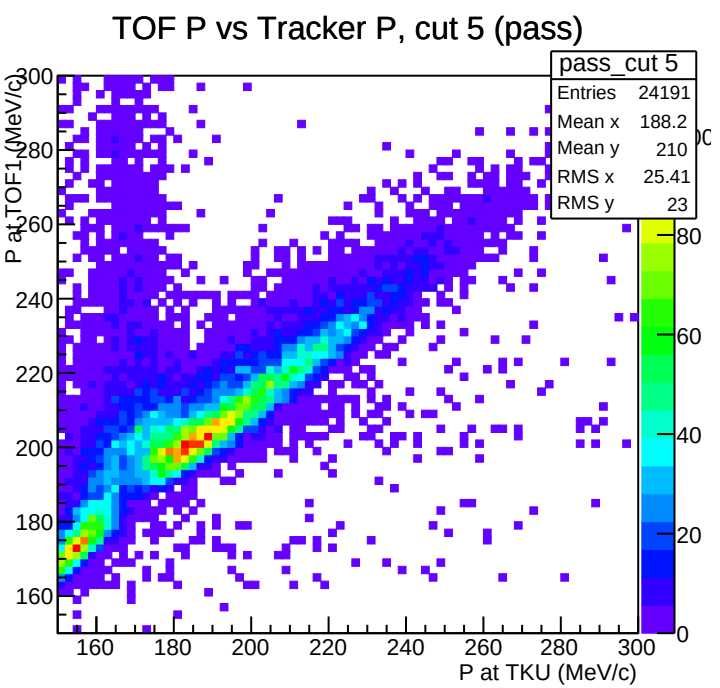

TOF P vs Tracker P, cut 2 (fail)
fail_cut 2
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300

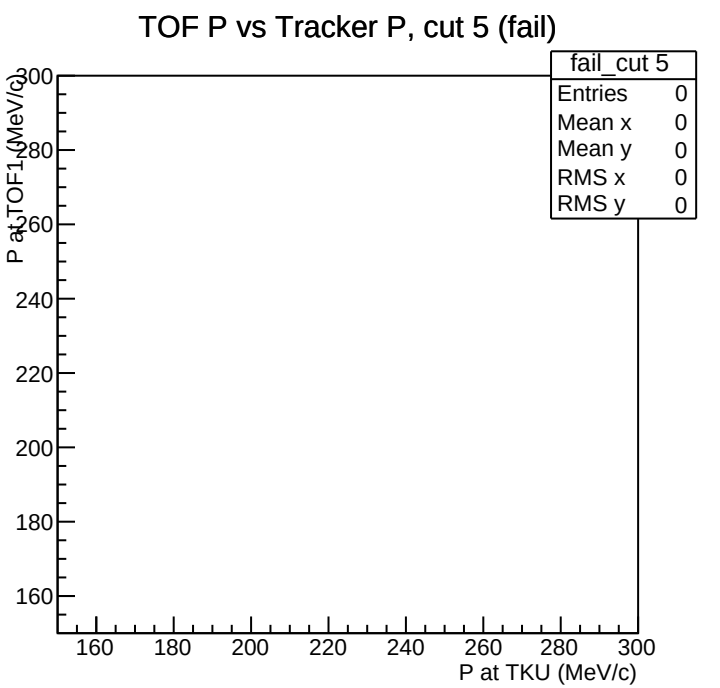

TOF P vs Tracker P, cut 3 (pass)
pass_cut 3
Entries 24180
Mean x 188.2
Mean y 210
RMS x 25.41
RMS y 23
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
20
40
60
80

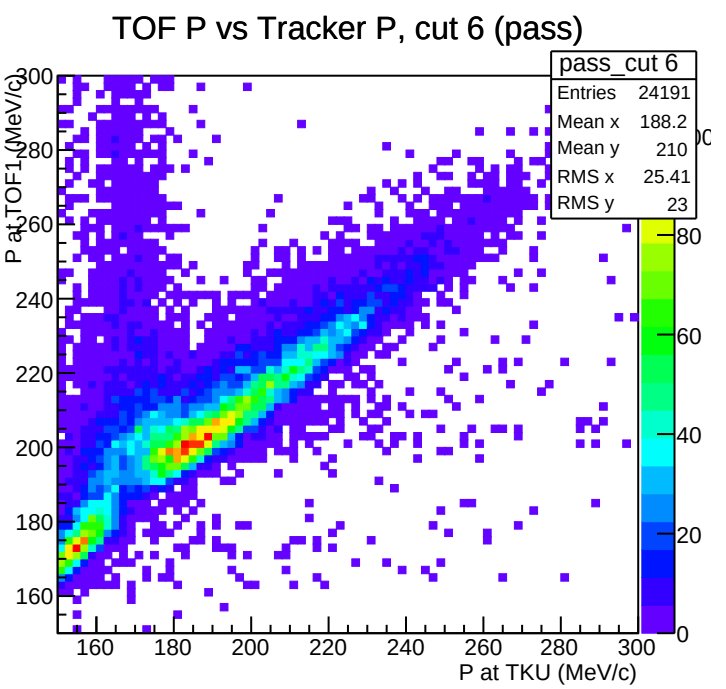

TOF P vs Tracker P, cut 3 (fail)
fail_cut 3
Entries 11
Mean x 0
Mean y 0
RMS x 0
RMS y 0
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300

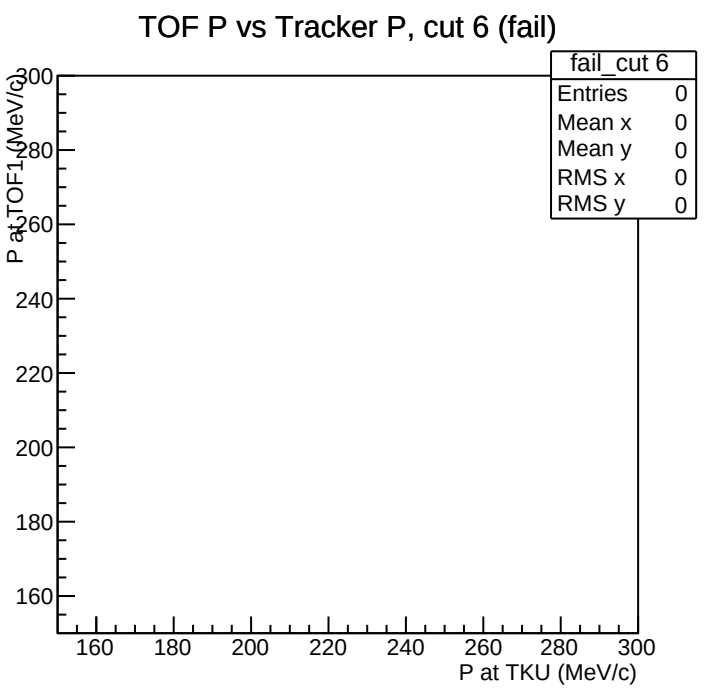

TOF P vs Tracker P, cut 4 (pass)
pass_cut 4
Entries 24180
Mean x 188.2
Mean y 210
RMS x 25.41
RMS y 23
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
20
40
60
80

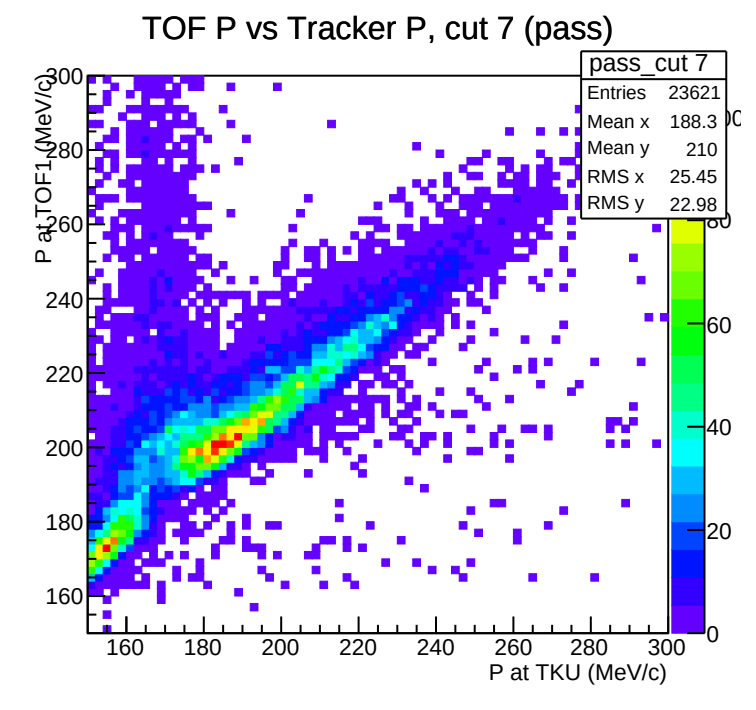

TOF P vs Tracker P, cut 4 (fail)
fail_cut 4
Entries 11
Mean x 0
Mean y 0
RMS x 0
RMS y 0
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300

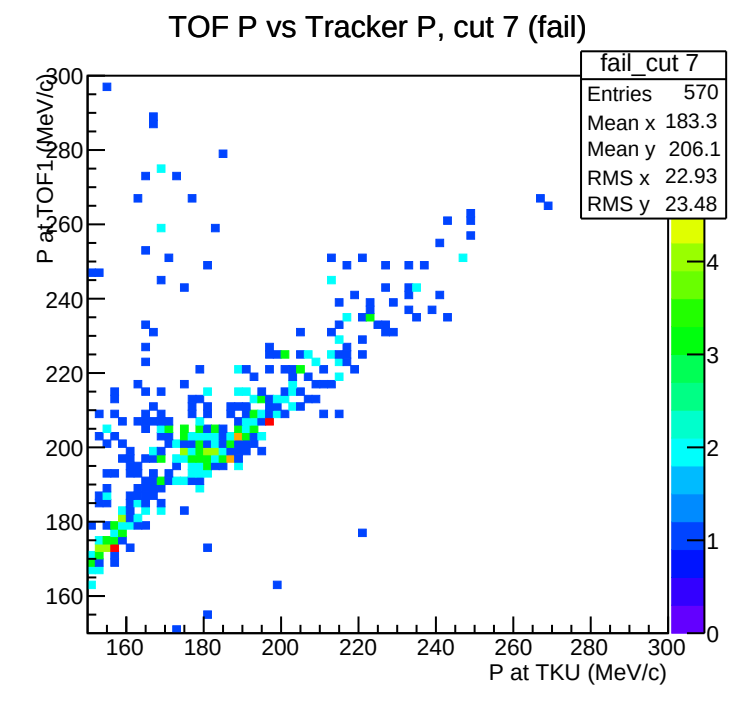

TOF P vs Tracker P, cut 5 (pass)
pass_cut 5
Entries 24191
Mean x 188.2
Mean y 210
RMS x 25.41
RMS y 23
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
20
40
60
80

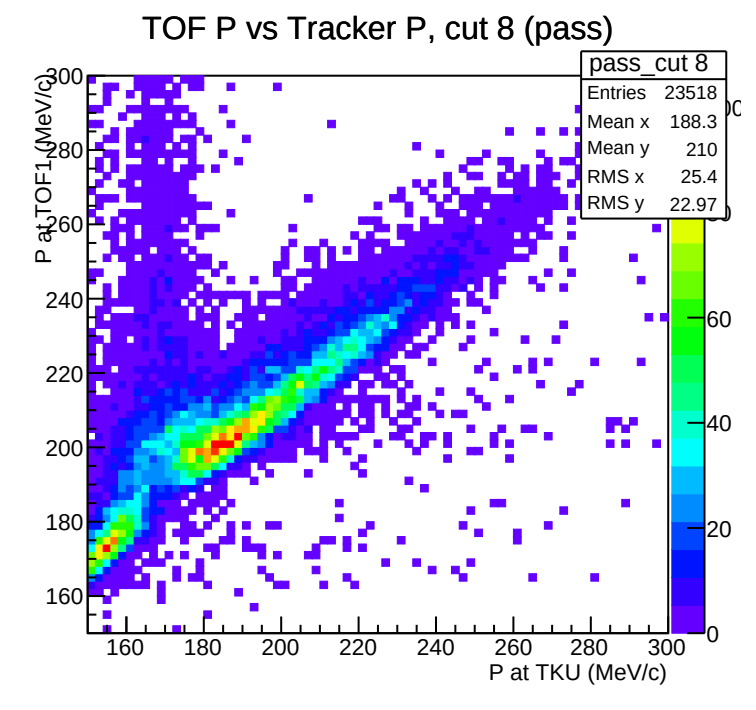

TOF P vs Tracker P, cut 5 (fail)
fail_cut 5
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300

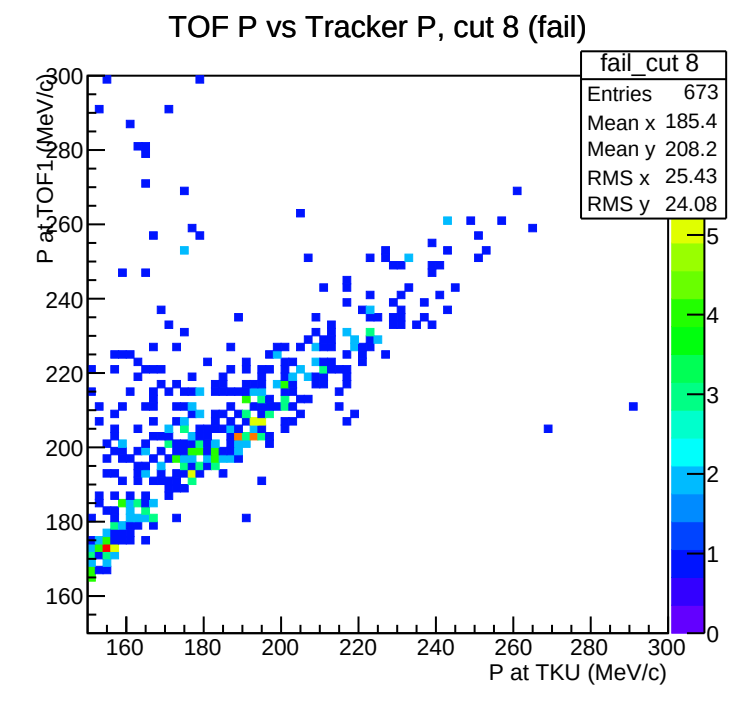

TOF P vs Tracker P, cut 6 (pass)
pass_cut 6
Entries 24191
Mean x 188.2
Mean y 210
RMS x 25.41
RMS y 23
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
20
40
60
80

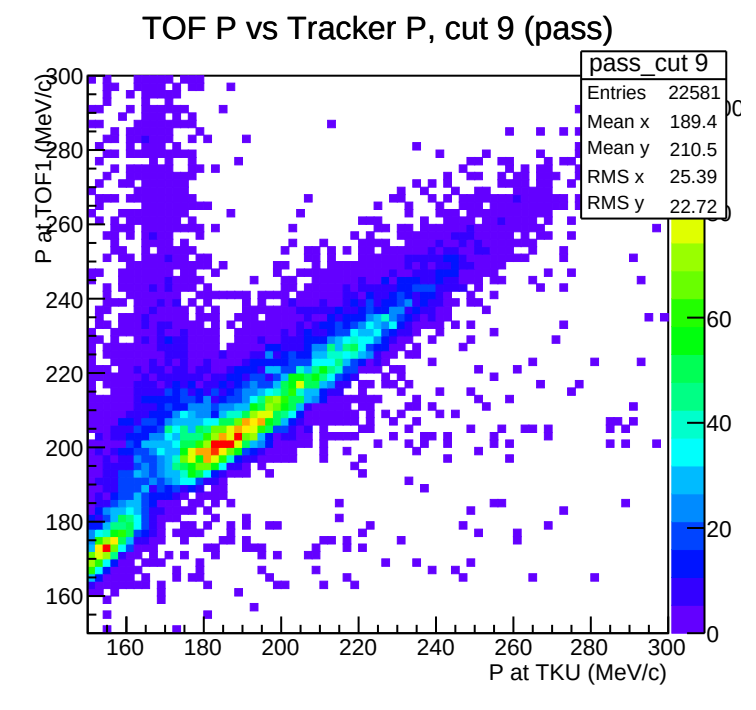

TOF P vs Tracker P, cut 6 (fail)
fail_cut 6
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300

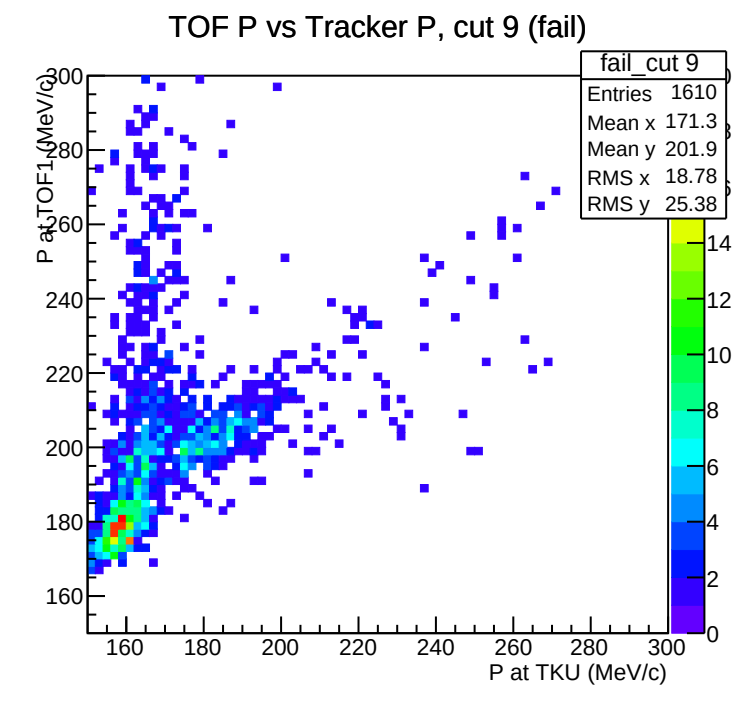

TOF P vs Tracker P, cut 7 (pass)
pass_cut 7
Entries 23621
Mean x 188.3
Mean y 210
RMS x 25.45
RMS y 22.98
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
20
40
60

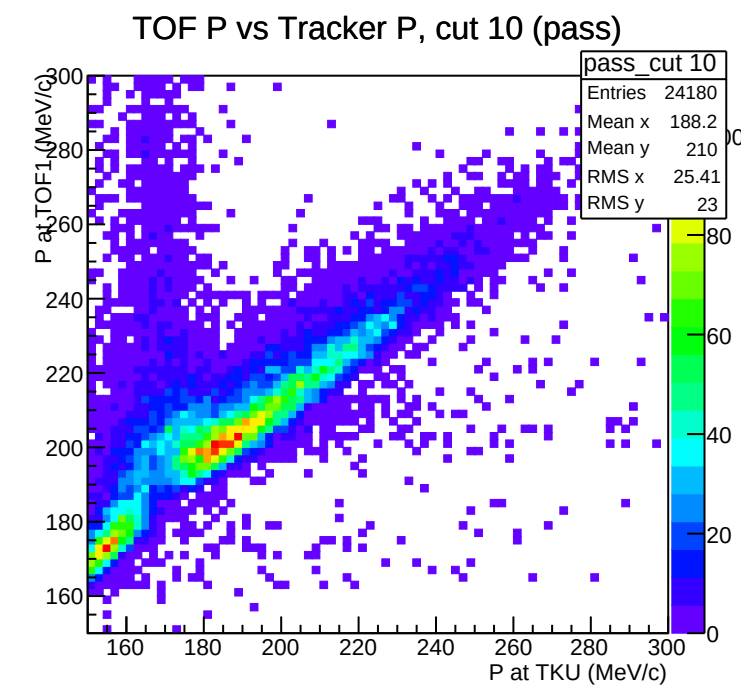

TOF P vs Tracker P, cut 7 (fail)
fail_cut 7
Entries 570
Mean x 183.3
Mean y 206.1
RMS x 22.93
RMS y 23.48
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
1
2
3
4

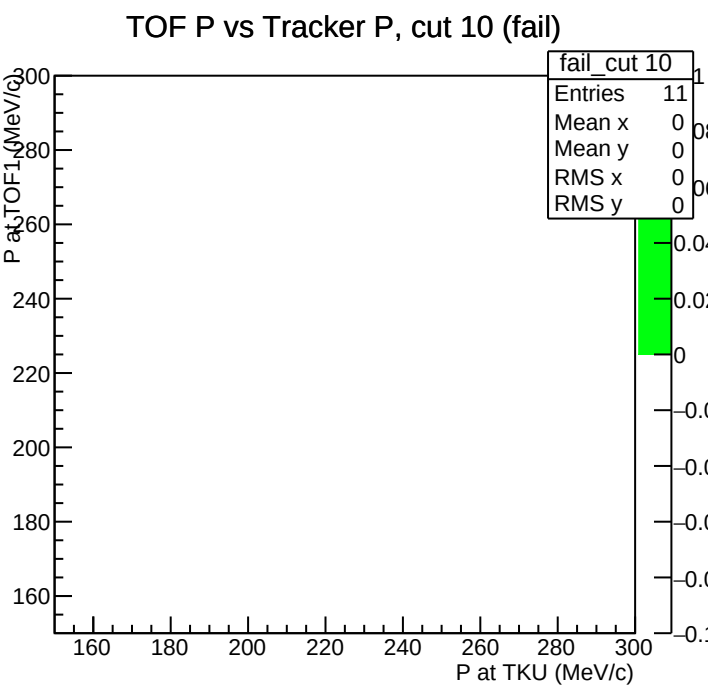

TOF P vs Tracker P, cut 8 (pass)
pass_cut 8
Entries 23518
Mean x 188.3
Mean y 210
RMS x 25.4
RMS y 22.97
P at TOF1 (MeV/c)
P at TKU (MeV/c)

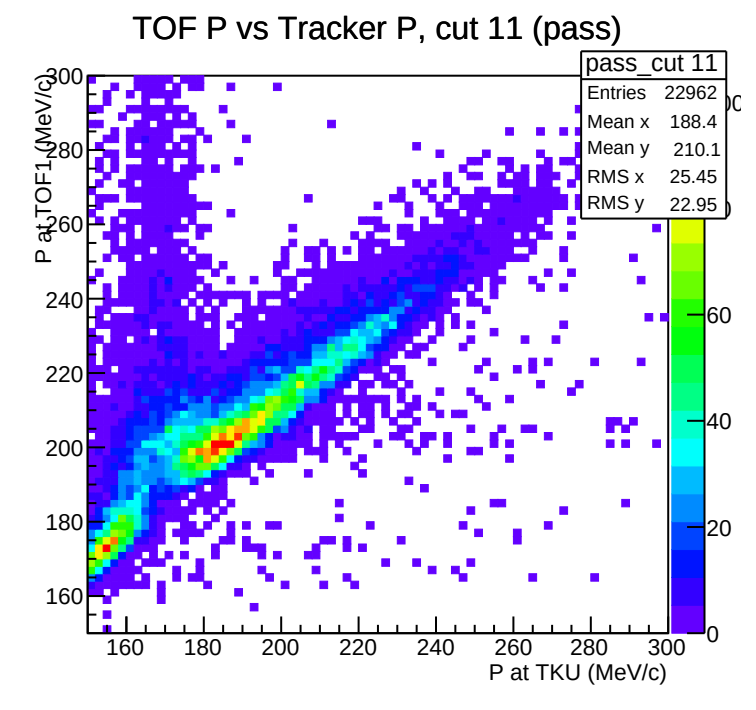

TOF P vs Tracker P, cut 8 (fail)
fail_cut 8
Entries 673
Mean x 185.4
Mean y 208.2
RMS x 25.43
RMS y 24.08
P at TOF1 (MeV/c)
P at TKU (MeV/c)

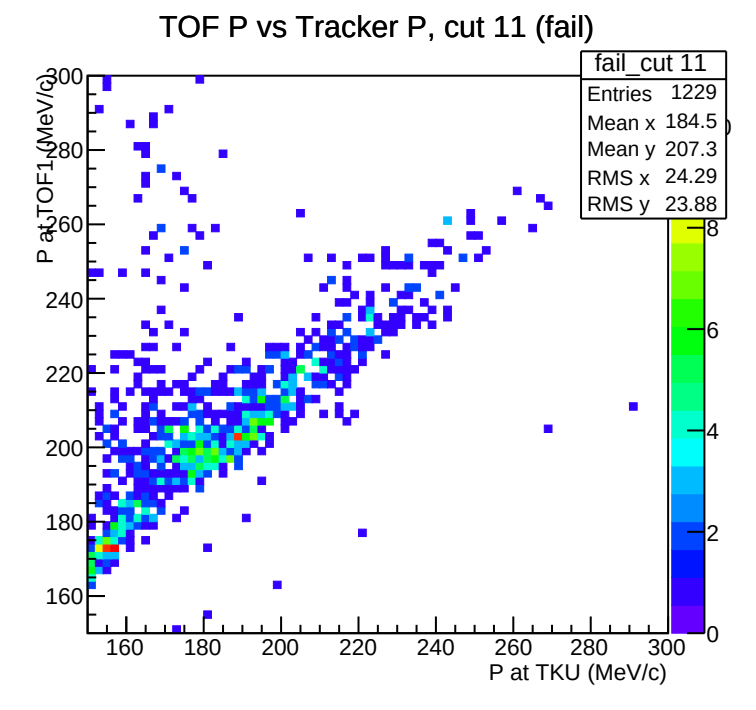

TOF P vs Tracker P, cut 9 (pass)
pass_cut 9
Entries 22581
Mean x 189.4
Mean y 210.5
RMS x 25.39
RMS y 22.72
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
20
40
60

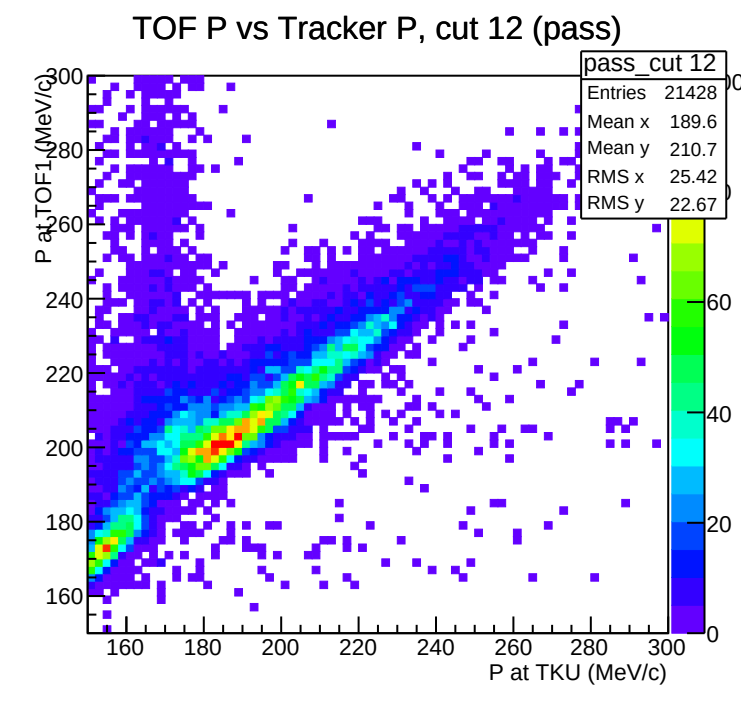

TOF P vs Tracker P, cut 9 (fail)
fail_cut 9
Entries 1610
Mean x 171.3
Mean y 201.9
RMS x 18.78
RMS y 25.38
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
2
4
6
8
10
12
14

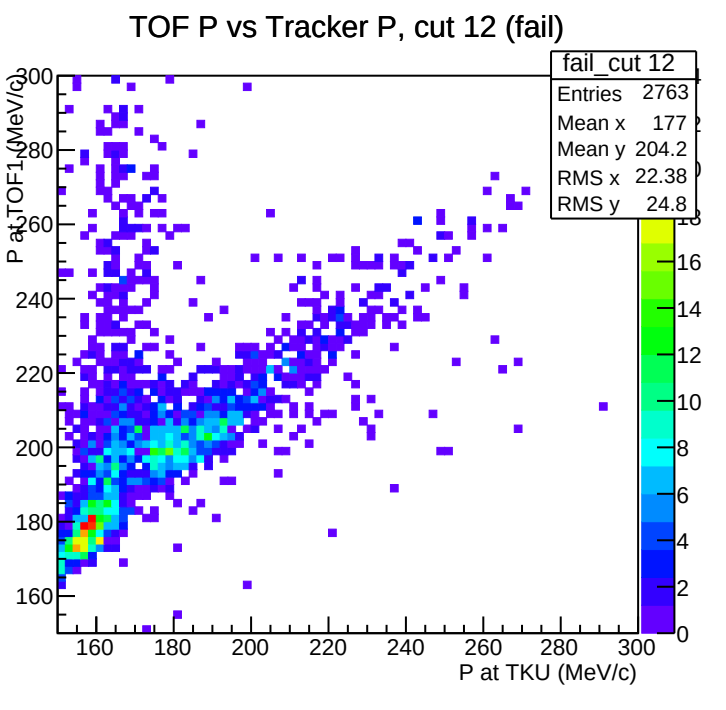

TOF P vs Tracker P, cut 10 (pass)
pass_cut 10
Entries 24180
Mean x 188.2
Mean y 210
RMS x 25.41
RMS y 23
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
20
40
60
80

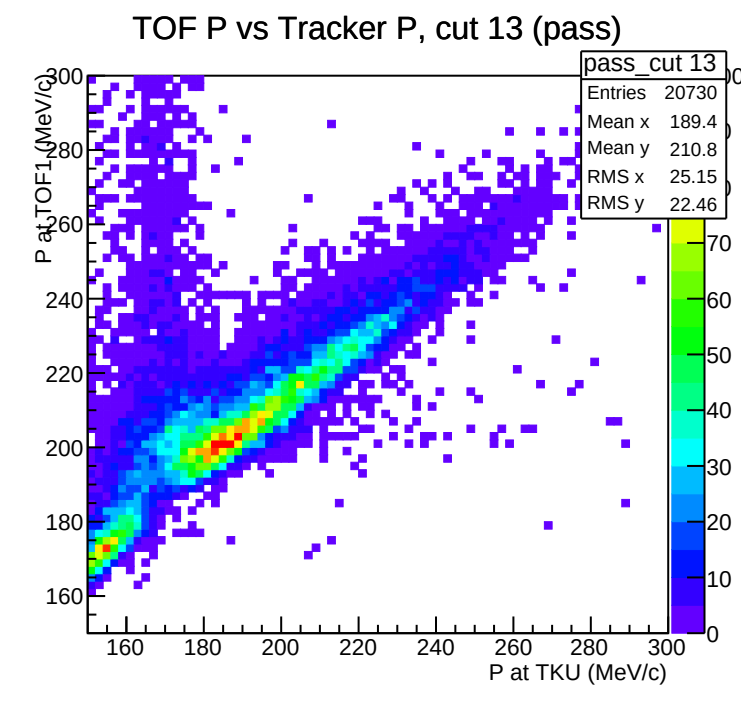

TOF P vs Tracker P, cut 10 (fail)
fail_cut 10
Entries 11
Mean x 0
Mean y 0
RMS x 0
RMS y 0
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300

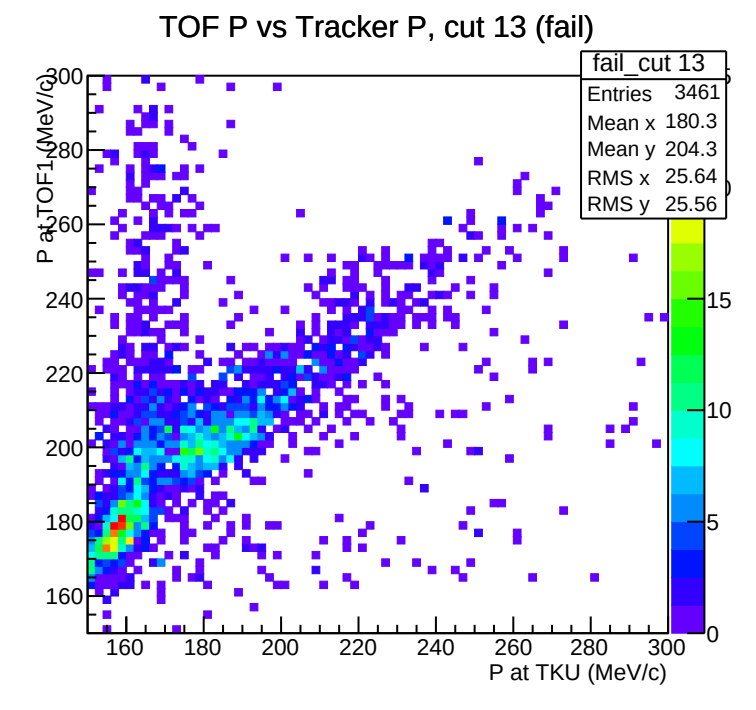

TOF P vs Tracker P, cut 11 (pass)
pass_cut 11
Entries 22962
Mean x 188.4
Mean y 210.1
RMS x 25.45
RMS y 22.95
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
20
40
60

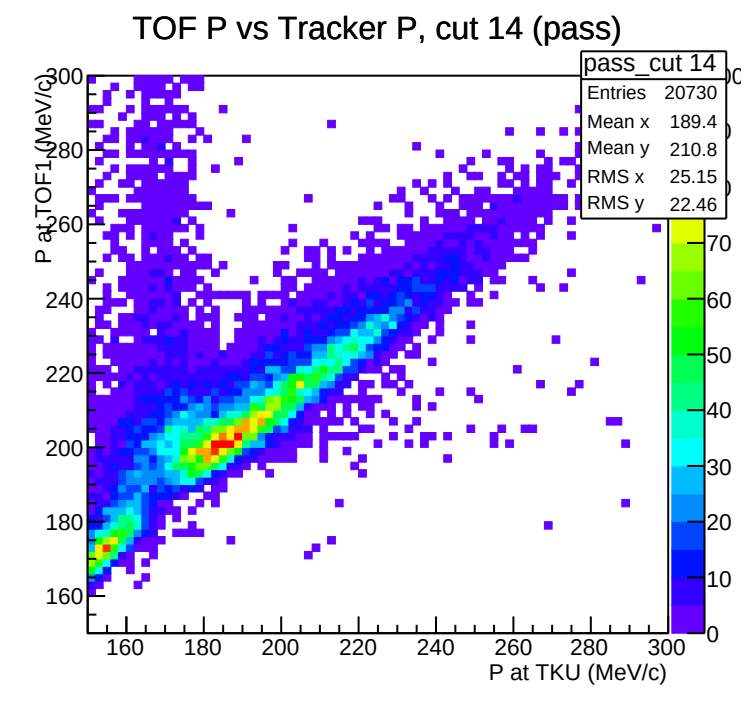

TOF P vs Tracker P, cut 11 (fail)
fail_cut 11
Entries 1229
Mean x 184.5
Mean y 207.3
RMS x 24.29
RMS y 23.88
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
2
4
6
8

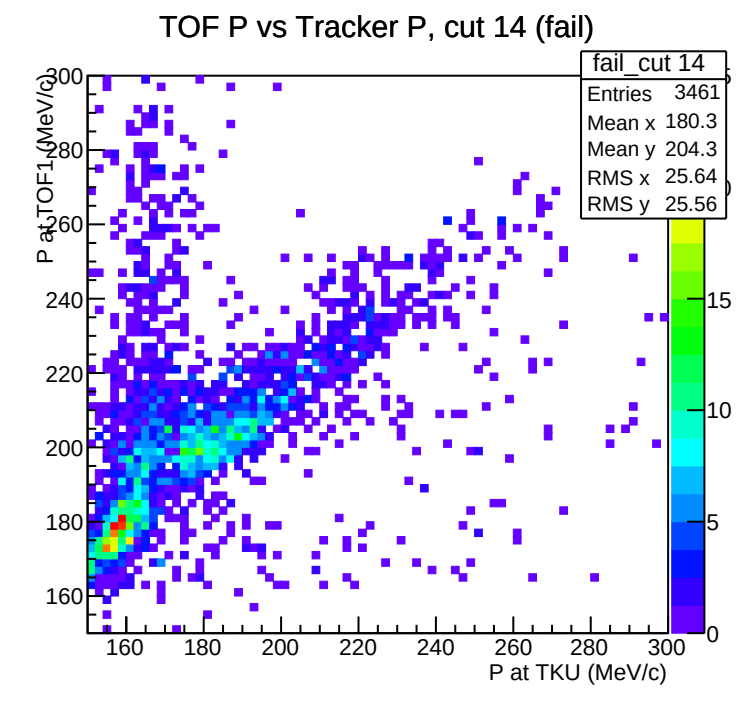

TOF P vs Tracker P, cut 12 (pass)
pass_cut 12
Entries 21428
Mean x 189.6
Mean y 210.7
RMS x 25.42
RMS y 22.67
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
20
40
60


TOF P vs Tracker P, cut 12 (fail)
fail_cut 12
Entries 2763
Mean x 177
Mean y 204.2
RMS x 22.38
RMS y 24.8
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
2
4
6
8
10
12
14
16


TOF P vs Tracker P, cut 13 (pass)
pass_cut 13
Entries 20730
Mean x 189.4
Mean y 210.8
RMS x 25.15
RMS y 22.46
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
10
20
30
40
50
60
70


TOF P vs Tracker P, cut 13 (fail)
fail_cut 13
Entries 3461
Mean x 180.3
Mean y 204.3
RMS x 25.64
RMS y 25.56
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
5
10
15


TOF P vs Tracker P, cut 14 (pass)
pass_cut 14
Entries 20730
Mean x 189.4
Mean y 210.8
RMS x 25.15
RMS y 22.46
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
10
20
30
40
50
60
70


TOF P vs Tracker P, cut 14 (fail)
fail_cut 14
Entries 3461
Mean x 180.3
Mean y 204.3
RMS x 25.64
RMS y 25.56
P at TOF1 (MeV/c)
P at TKU (MeV/c)
160
180
200
220
240
260
280
300
0
5
10
15