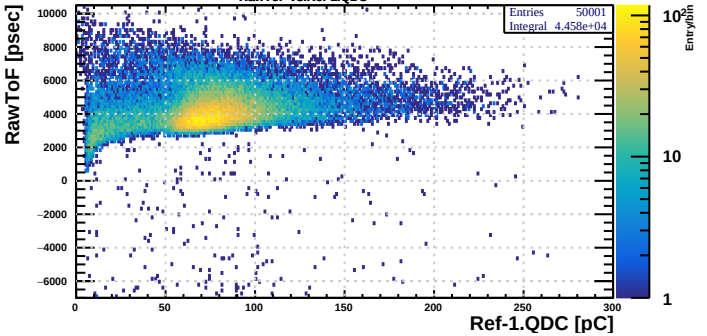
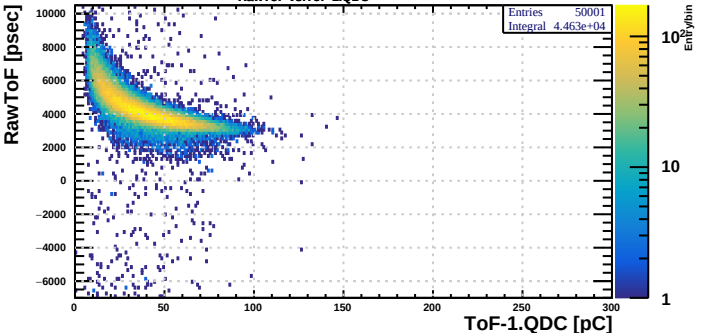
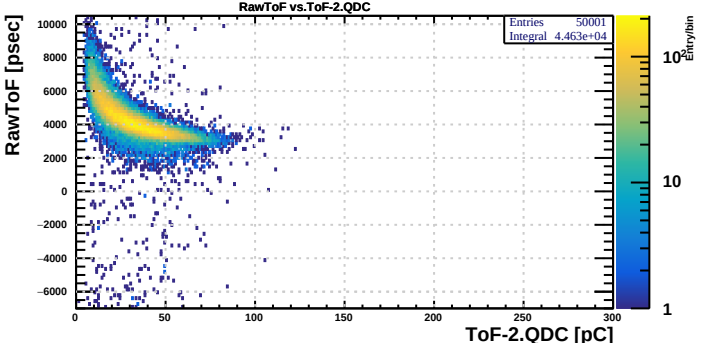
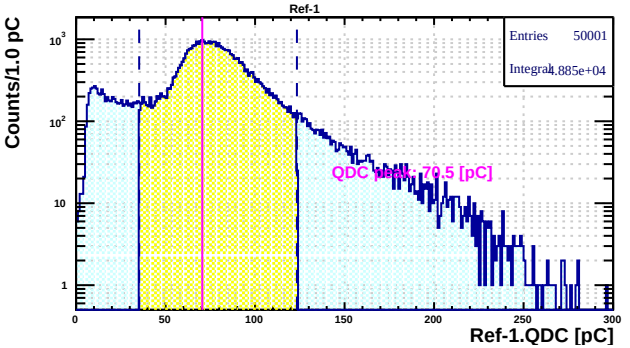
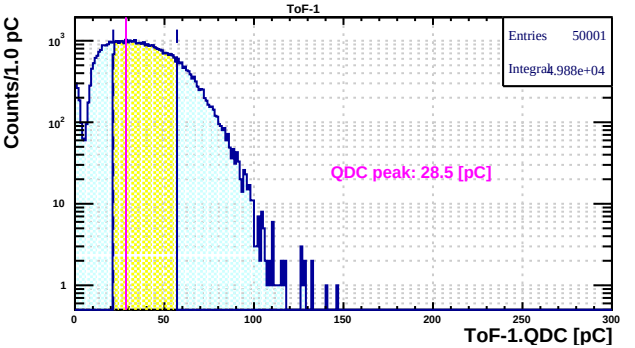
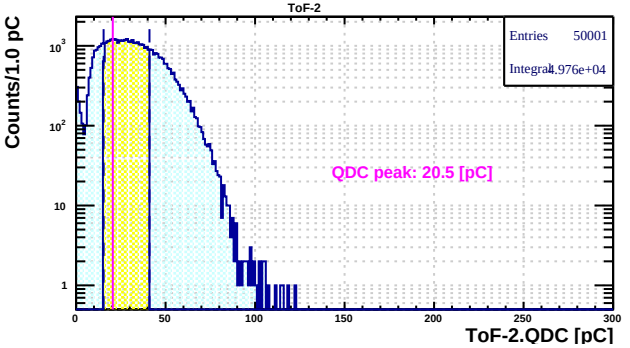

RawToF vs.Ref-1.QDC
Entries 50001
Integral 4.458e+04
RawToF [psec]
Ref-1.QDC [pC]
Entry/bin

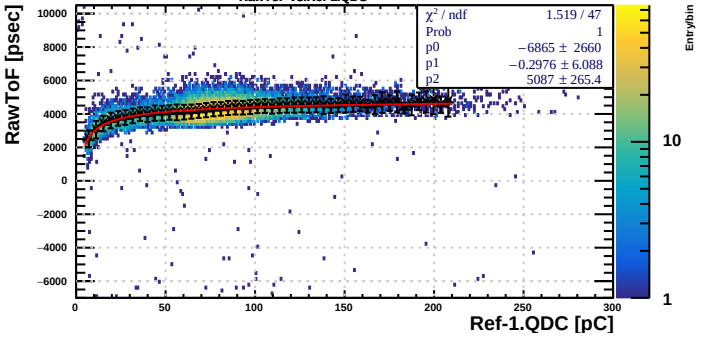

RawToF vs.ToF-1.QDC
Entries 50001
Integral 4.463e+04
RawToF [psec]
ToF-1.QDC [pC]
Entry/bin

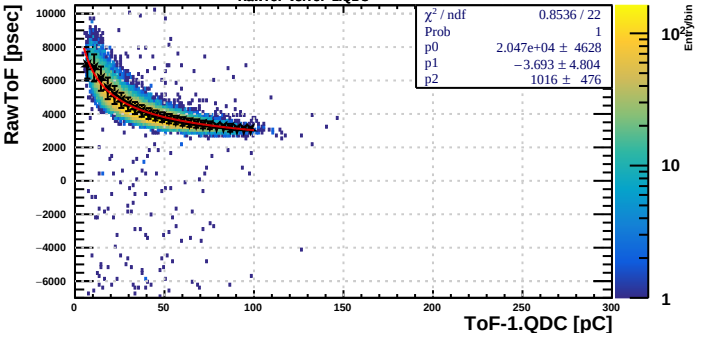

RawToF vs.ToF-2.QDC
Entries 50001
Integral 4.463e+04
RawToF [psec]
ToF-2.QDC [pC]
Entry/bin

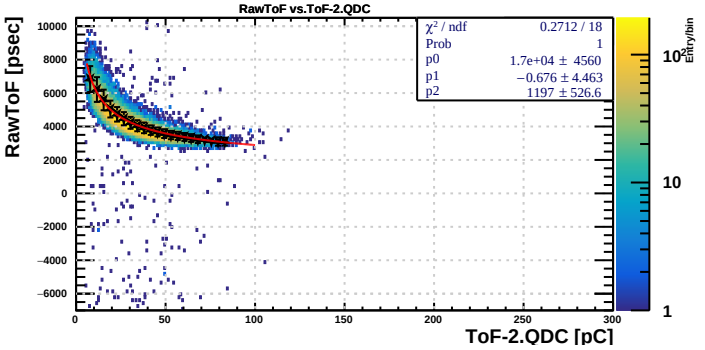

Ref-1
Entries 50001
Integral 4.885e+04
QDC peak: 79.5 [pC]
Counts/1.0 pC
Ref-1.QDC [pC]

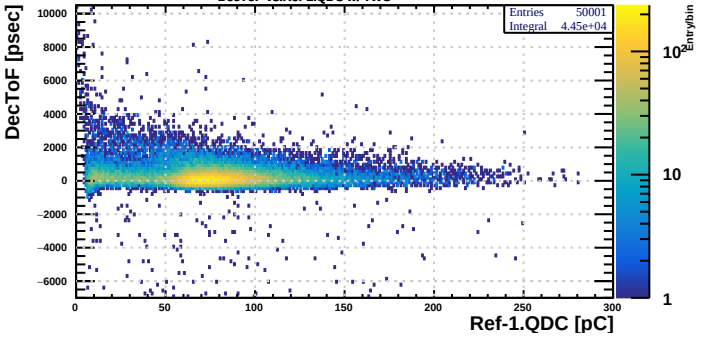

ToF-1
Entries 50001
Integral 4.988e+04
QDC peak: 28.5 [pC]
Counts/1.0 pC
ToF-1.QDC [pC]

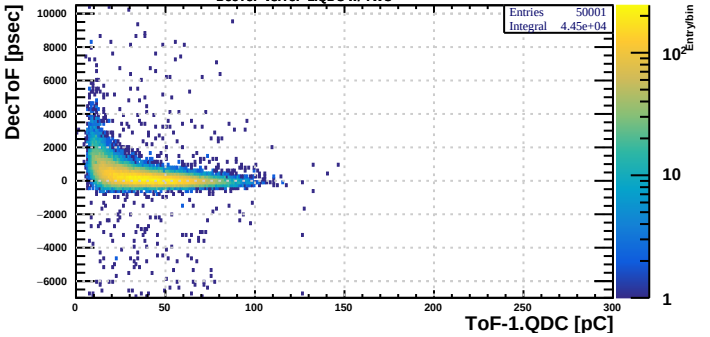

ToF-2
Entries 50001
Integral 4.976e+04
QDC peak: 20.5 [pC]
Counts/1.0 pC
ToF-2.QDC [pC]

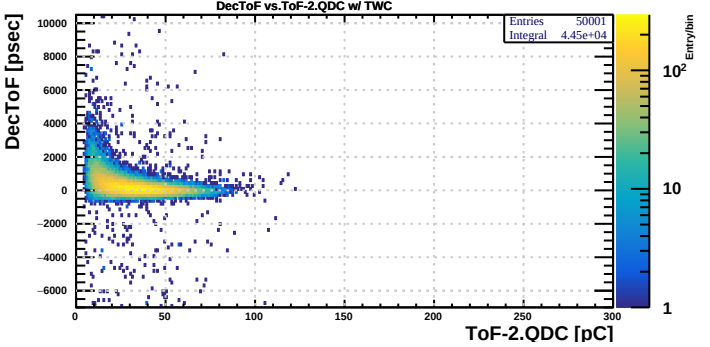

RawToF vs.Ref-1.QDC
χ² / ndf 1.519 / 47
Prob 1
p0 −6865 ± 2660
p1 −0.2976 ± 6.088
p2 5087 ± 265.4
RawToF [psec]
Ref-1.QDC [pC]
Entry/bin

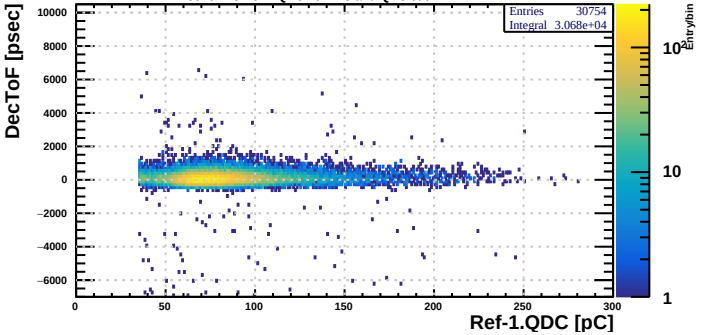

RawToF vs.ToF-1.QDC
χ² / ndf 0.8536 / 22
Prob 1
p0 2.047e+04 ± 4628
p1 −3.693 ± 4.804
p2 1016 ± 476
RawToF [psec]
ToF-1.QDC [pC]
Entry/bin

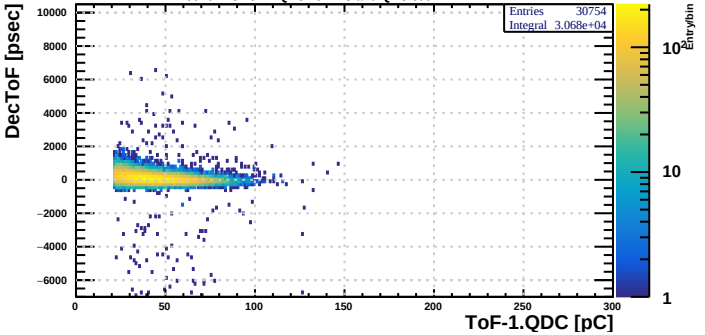

RawToF vs.ToF-2.QDC
χ² / ndf 0.2712 / 18
Prob 1
p0 1.7e+04 ± 4560
p1 −0.676 ± 4.463
p2 1197 ± 526.6
RawToF [psec]
ToF-2.QDC [pC]
Entry/bin

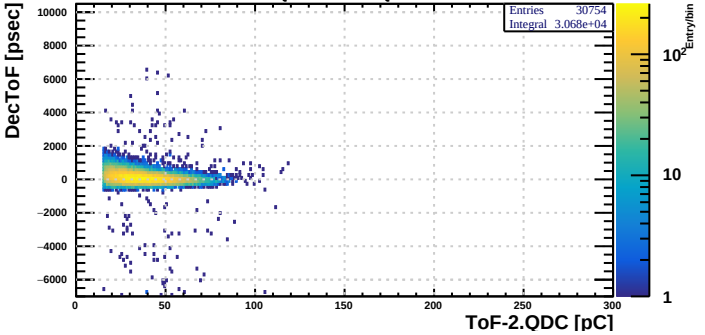

DecToF vs.Ref-1.QDC w/ TWC
Entries 50001
Integral 4.45e+04
DecToF [psec]
Ref-1.QDC [pC]
Entry/bin

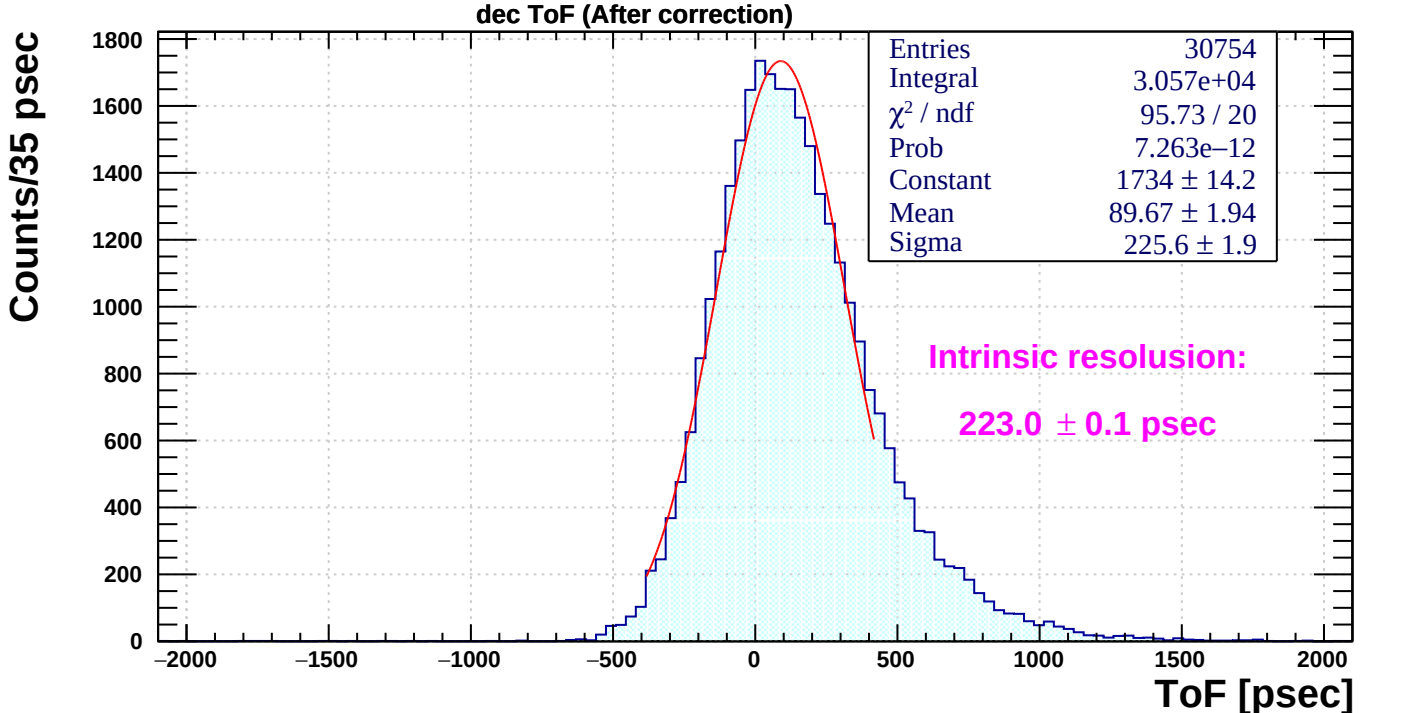

DecToF vs.ToF-1.QDC w/ TWC
Entries 50001
Integral 4.45e+04
DecToF [psec]
ToF-1.QDC [pC]
Entry/bin

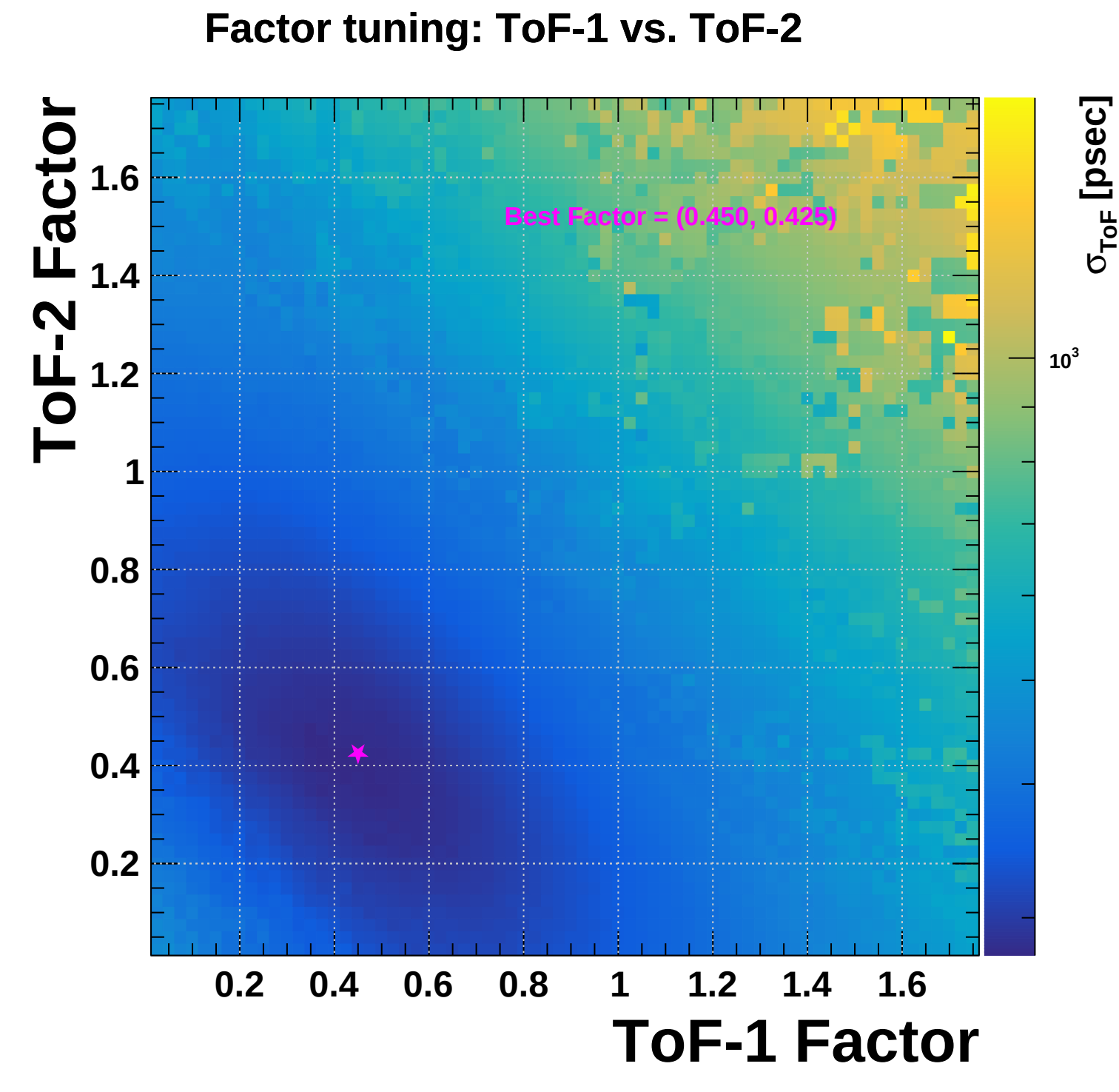

DecToF vs.ToF-2.QDC w/ TWC
Entries 50001
Integral 4.45e+04
DecToF [psec]
ToF-2.QDC [pC]
Entry/bin

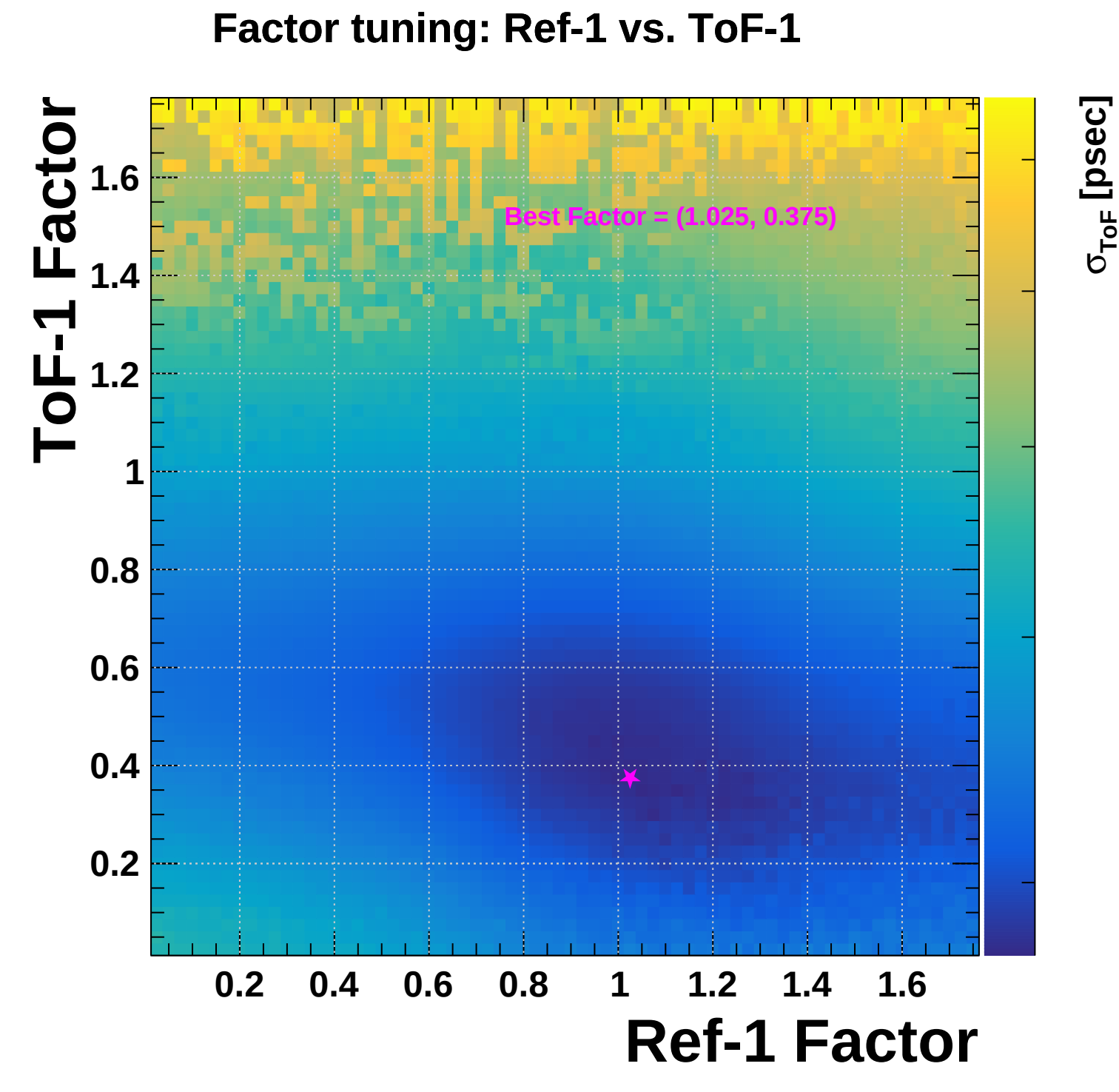

DecToF vs.Ref-1.QDC w/ TWC and QDC cut
Entries 30754
Integral 3.068e+04
DecToF [psec]
Ref-1.QDC [pC]
Entry/bin

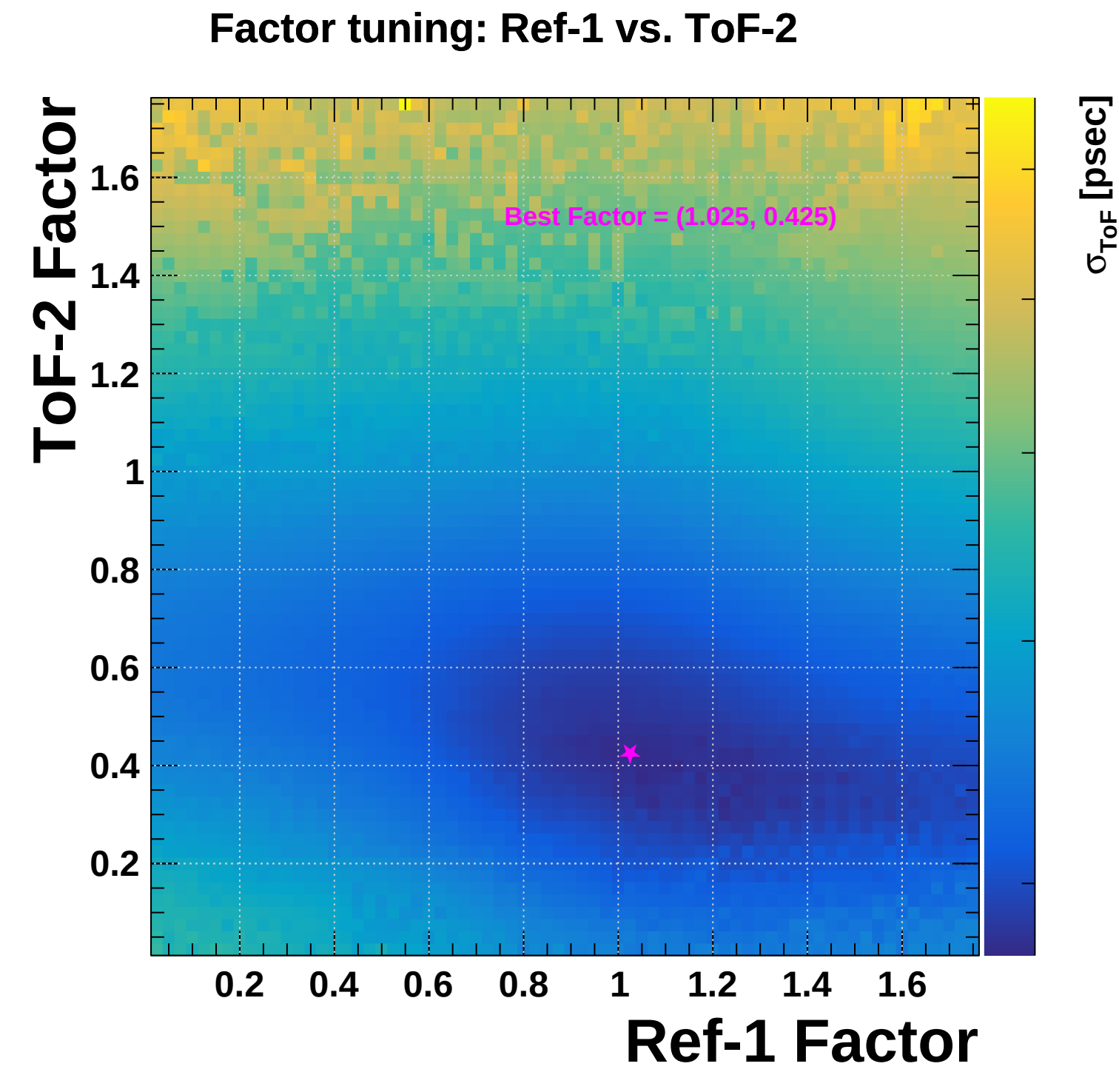

DecToF vs.ToF-1.QDC w/ TWC and QDC cut
Entries 30754
Integral 3.068e+04
DecToF [psec]
ToF-1.QDC [pC]
Entry/bin


DecToF vs.ToF-2.QDC w/ TWC and QDC cut
Entries 30754
Integral 3.068e+04
DecToF [psec]
ToF-2.QDC [pC]
Entry/bin


dec ToF (After correction)
Counts/35 psec
ToF [psec]
Entries 30754
Integral 3.057e+04
χ² / ndf 95.73 / 20
Prob 7.263e−12
Constant 1734 ± 14.2
Mean 89.67 ± 1.94
Sigma 225.6 ± 1.9
Intrinsic resolusion:
223.0 ± 0.1 psec
1800
1600
1400
1200
1000
800
600
400
200
0
−2000
−1500
−1000
−500
0
500
1000
1500
2000


Factor tuning: ToF-1 vs. ToF-2
Best Factor = (0.450, 0.425)
ToF-2 Factor
ToF-1 Factor
σToF [psec]
10^3
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6


Factor tuning: Ref-1 vs. ToF-1
Best Factor = (1.025, 0.375)
ToF-1 Factor
Ref-1 Factor
σToF [psec]
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6


Factor tuning: Ref-1 vs. ToF-2
Best Factor = (1.025, 0.425)
ToF-2 Factor
Ref-1 Factor
σToF [psec]
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6