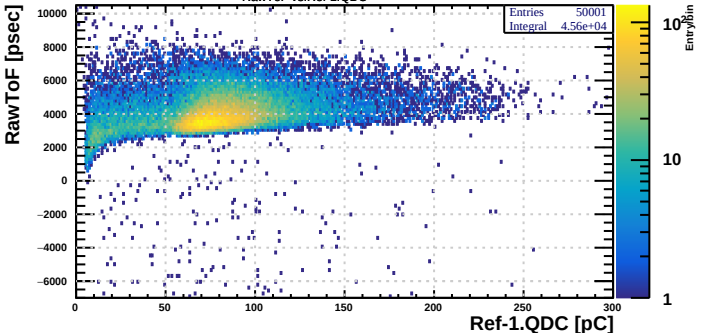
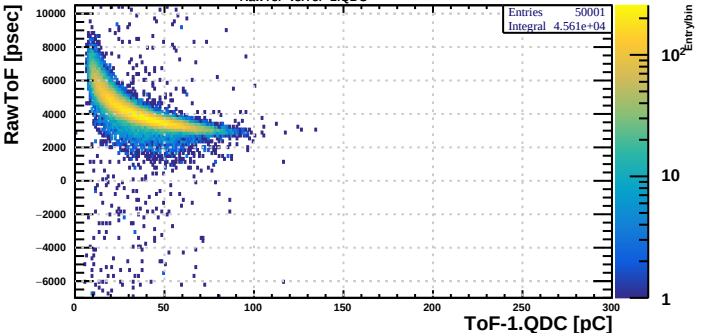
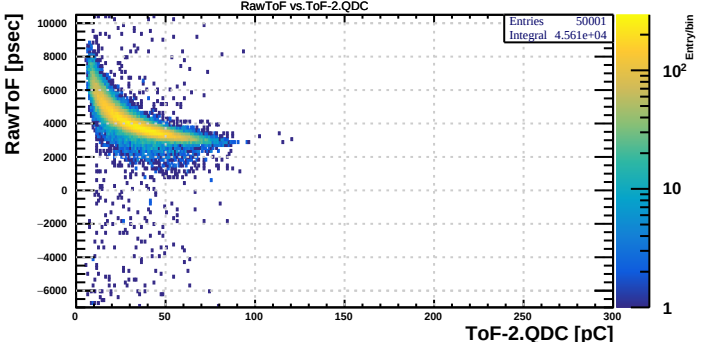
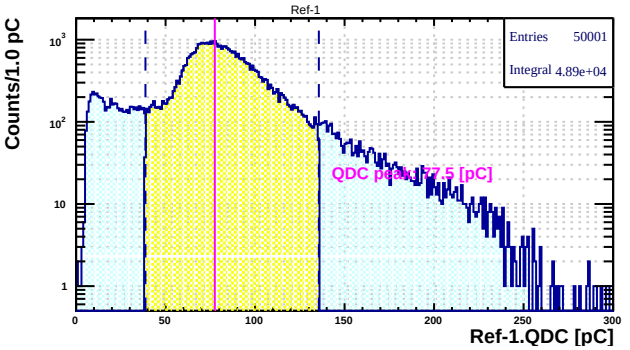
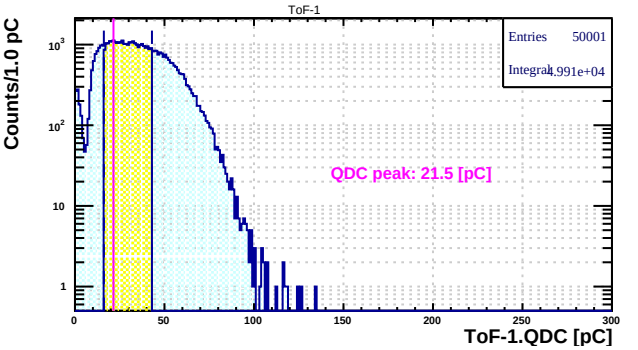
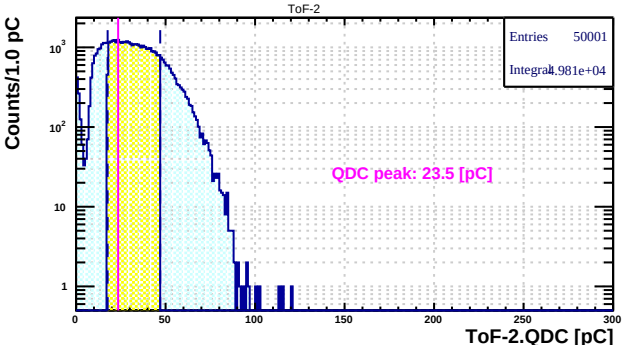

RawToF vs.Ref-1.QDC
Entries 50001
Integral 4.56e+04
RawToF [psec]
Ref-1.QDC [pC]
Entry/bin

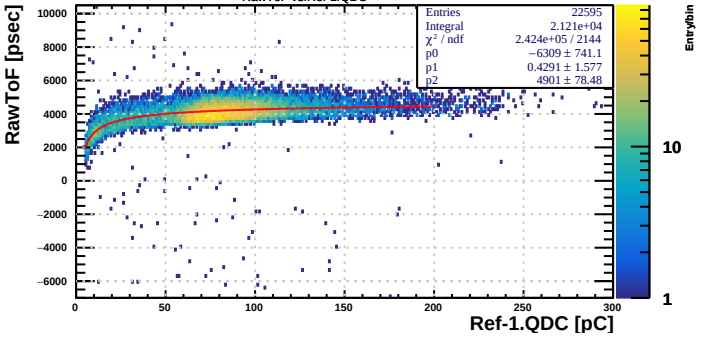

RawToF vs.ToF-1.QDC
Entries 50001
Integral 4.561e+04
RawToF [psec]
ToF-1.QDC [pC]
Entry/bin

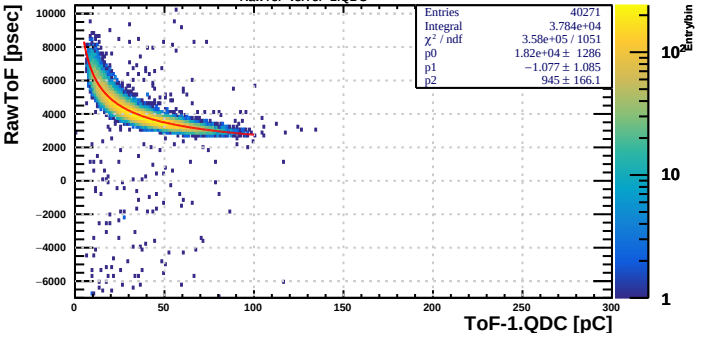

RawToF vs.ToF-2.QDC
Entries 50001
Integral 4.561e+04
RawToF [psec]
ToF-2.QDC [pC]
Entry/bin

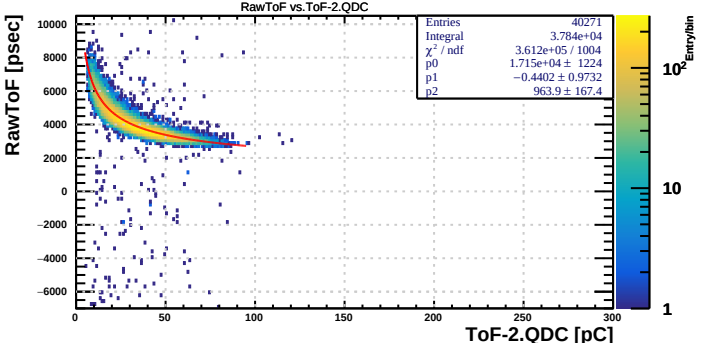

Ref-1
Entries 50001
Integral 4.89e+04
QDC peak: 77.5 [pC]
Counts/1.0 pC
Ref-1.QDC [pC]

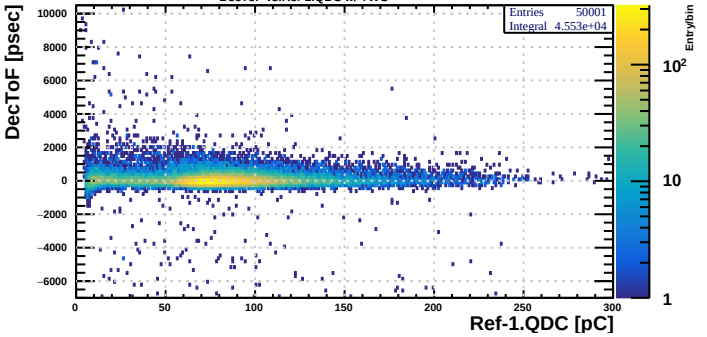

ToF-1
Entries 50001
Integral 4.991e+04
QDC peak: 21.5 [pC]
Counts/1.0 pC
ToF-1.QDC [pC]

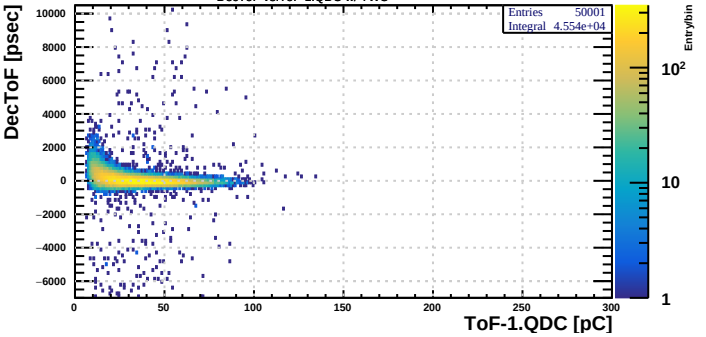

ToF-2
Entries 50001
Integral 4.981e+04
QDC peak: 23.5 [pC]
Counts/1.0 pC
ToF-2.QDC [pC]

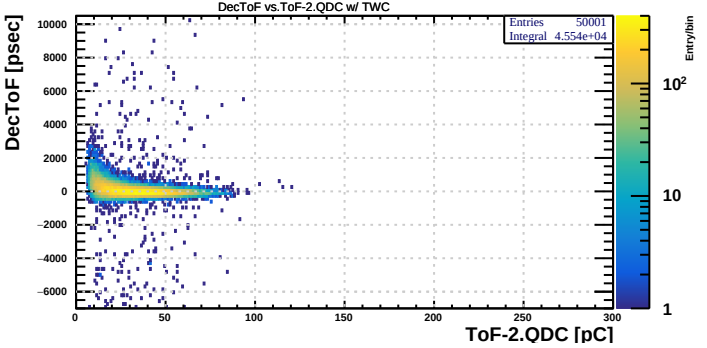

RawToF vs.Ref-1.QDC
Entries 22595
Integral 2.121e+04
χ² / ndf 2.424e+05 / 2144
p0 −6309 ± 741.1
p1 0.4291 ± 1.577
p2 4901 ± 78.48
RawToF [psec]
Ref-1.QDC [pC]
Entry/bin

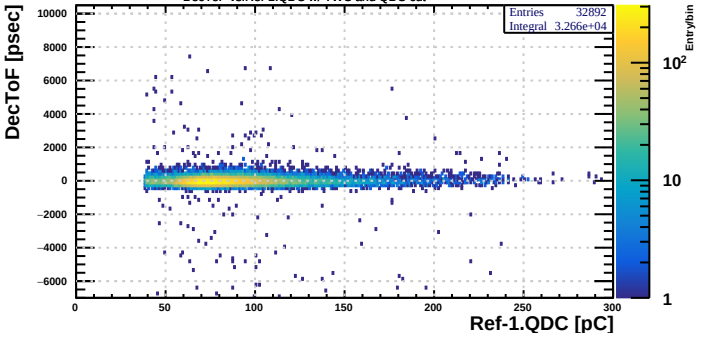

RawToF vs.ToF-1.QDC
Entries 40271
Integral 3.784e+04
χ² / ndf 3.58e+05 / 1051
p0 1.82e+04 ± 1286
p1 −1.077 ± 1.085
p2 945 ± 166.1
RawToF [psec]
ToF-1.QDC [pC]
Entry/bin

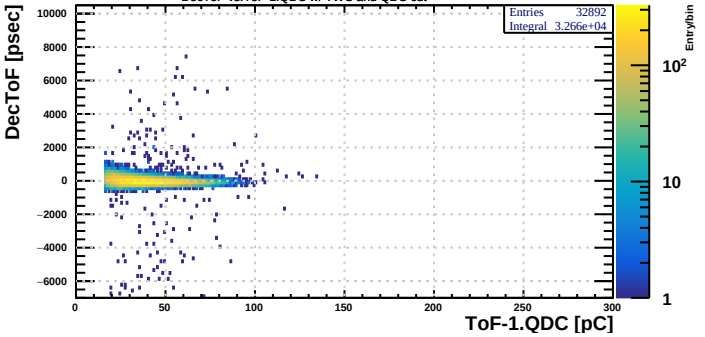

RawToF vs.ToF-2.QDC
Entries 40271
Integral 3.784e+04
χ² / ndf 3.612e+05 / 1004
p0 1.715e+04 ± 1224
p1 −0.4402 ± 0.9732
p2 963.9 ± 167.4
RawToF [psec]
ToF-2.QDC [pC]
Entry/bin

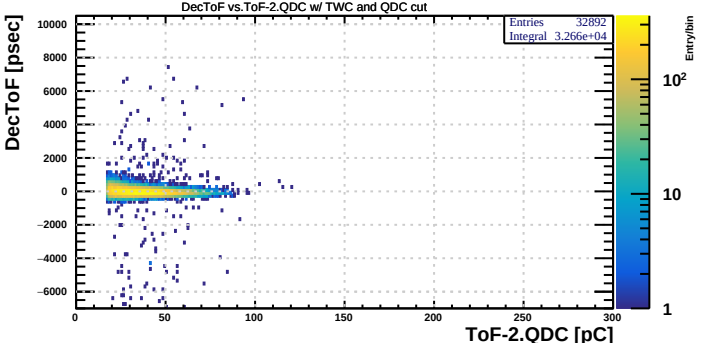

DecToF vs.Ref-1.QDC w/ TWC
Entries 50001
Integral 4.553e+04
DecToF [psec]
Ref-1.QDC [pC]
Entry/bin

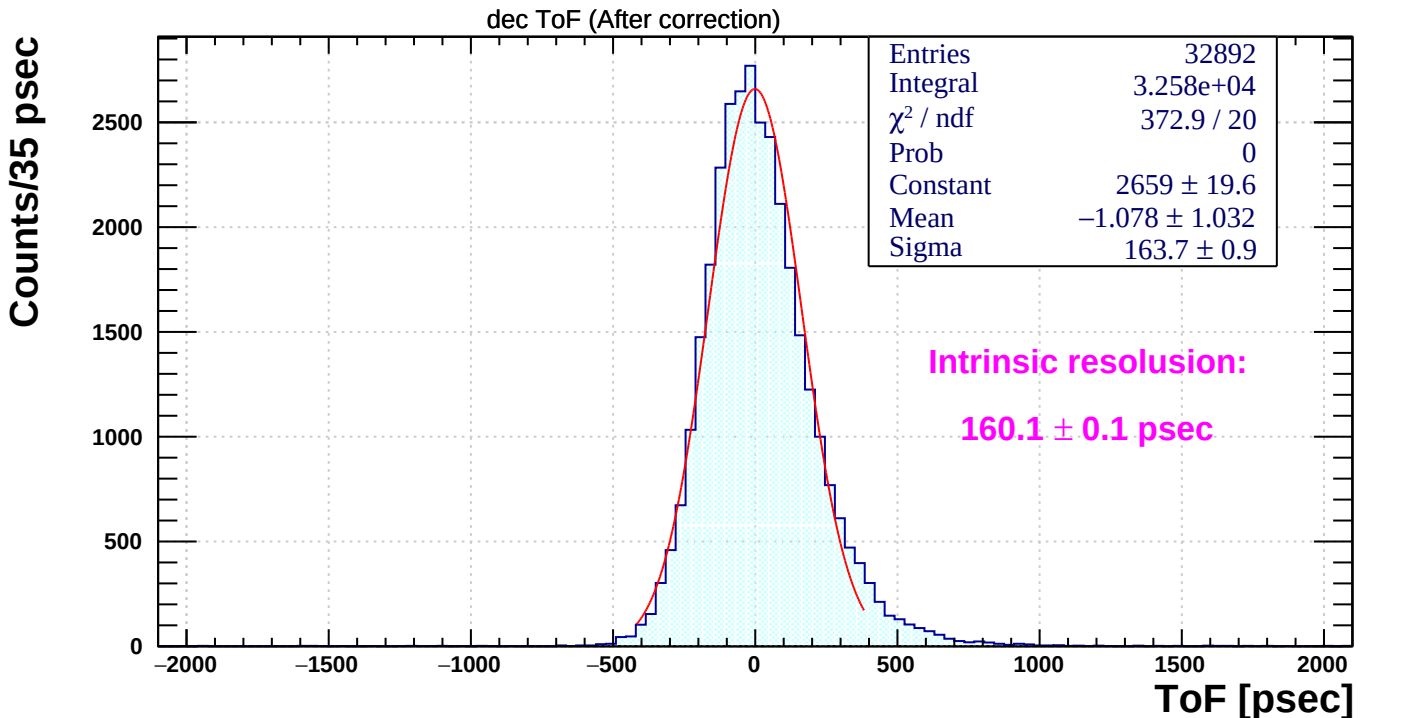

DecToF vs.ToF-1.QDC w/ TWC
Entries 50001
Integral 4.554e+04
DecToF [psec]
ToF-1.QDC [pC]
Entry/bin

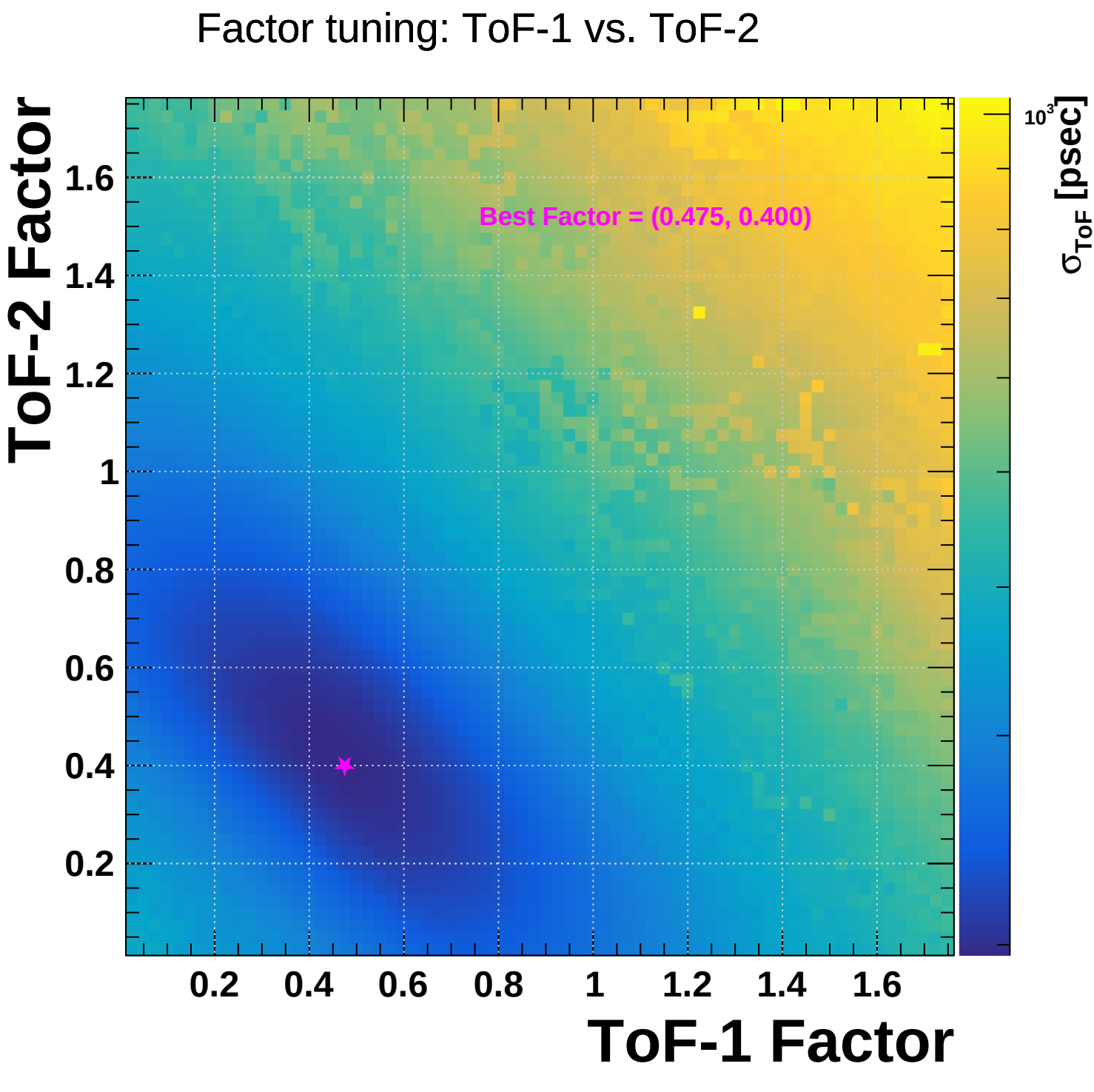

DecToF vs.ToF-2.QDC w/ TWC
Entries 50001
Integral 4.554e+04
DecToF [psec]
ToF-2.QDC [pC]
Entry/bin

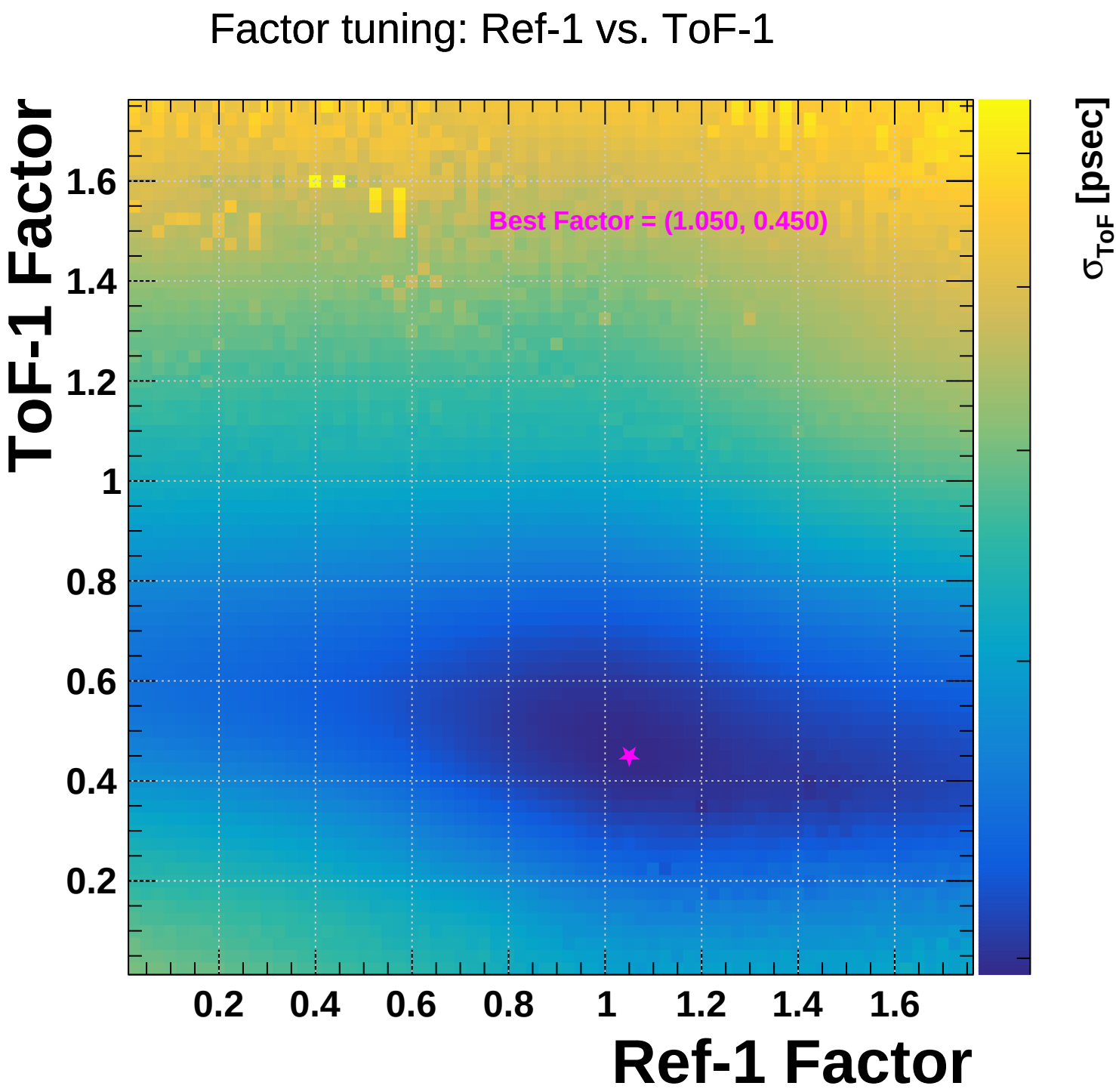

DecToF vs.Ref-1.QDC w/ TWC and QDC cut
Entries 32892
Integral 3.266e+04
DecToF [psec]
Ref-1.QDC [pC]
Entry/bin

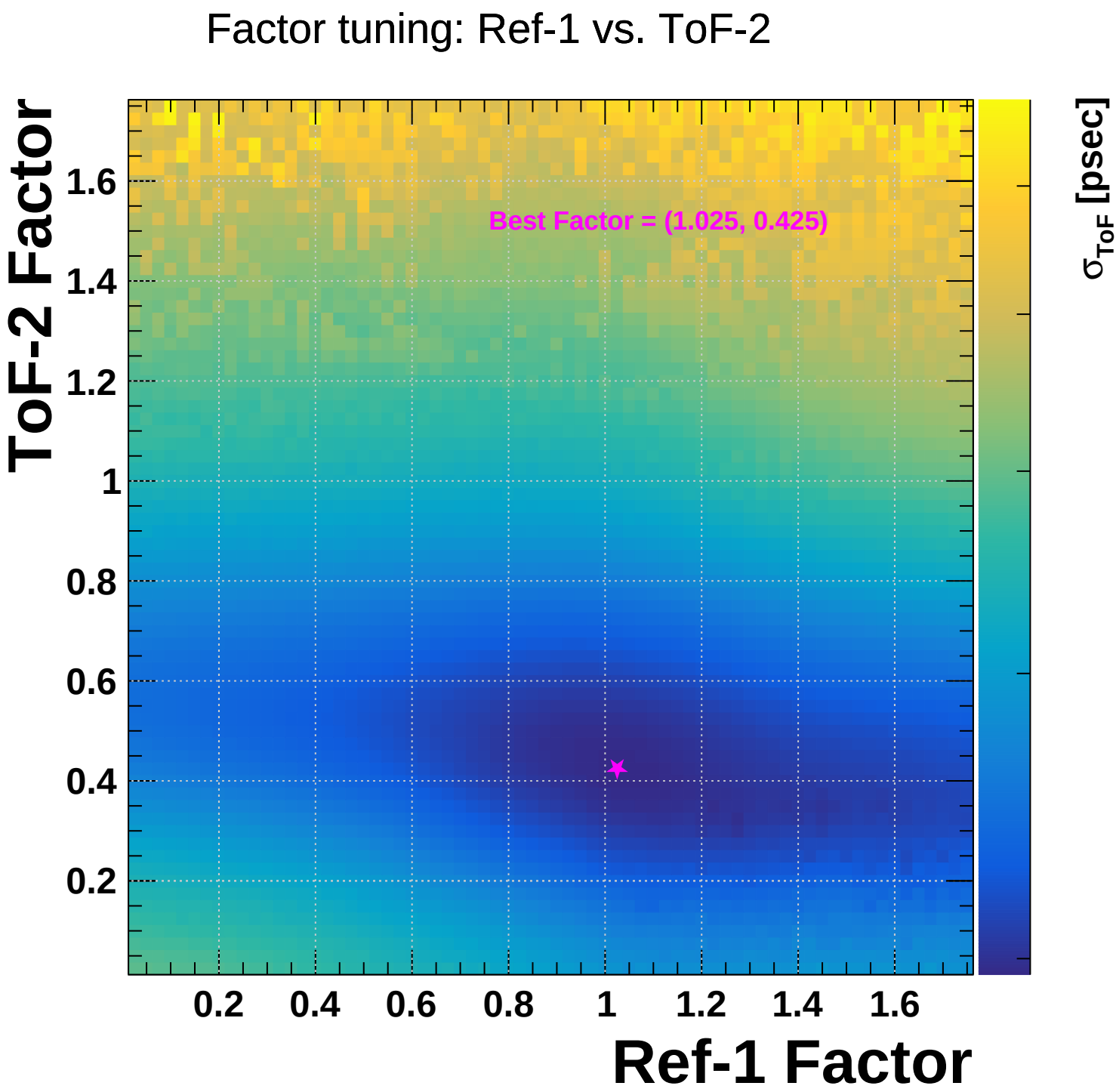

DecToF vs.ToF-1.QDC w/ TWC and QDC cut
Entries 32892
Integral 3.266e+04
DecToF [psec]
ToF-1.QDC [pC]
Entry/bin


DecToF vs.ToF-2.QDC w/ TWC and QDC cut
Entries 32892
Integral 3.266e+04
DecToF [psec]
ToF-2.QDC [pC]
Entry/bin


dec ToF (After correction)
Entries 32892
Integral 3.258e+04
χ² / ndf 372.9 / 20
Prob 0
Constant 2659 ± 19.6
Mean −1.078 ± 1.032
Sigma 163.7 ± 0.9
Intrinsic resolusion:
160.1 ± 0.1 psec
Counts/35 psec
ToF [psec]
0
500
1000
1500
2000
2500
−2000
−1500
−1000
−500
0
500
1000
1500
2000


Factor tuning: ToF-1 vs. ToF-2
Best Factor = (0.475, 0.400)
ToF-2 Factor
ToF-1 Factor
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
10^3
σ_{ToF} [psec]


Factor tuning: Ref-1 vs. ToF-1
Best Factor = (1.050, 0.450)
ToF-1 Factor
Ref-1 Factor
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
σToF [psec]


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