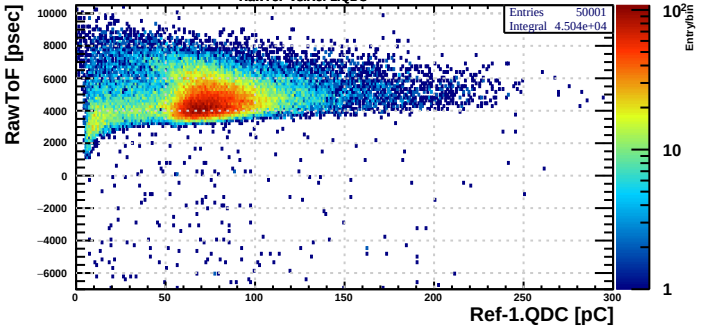
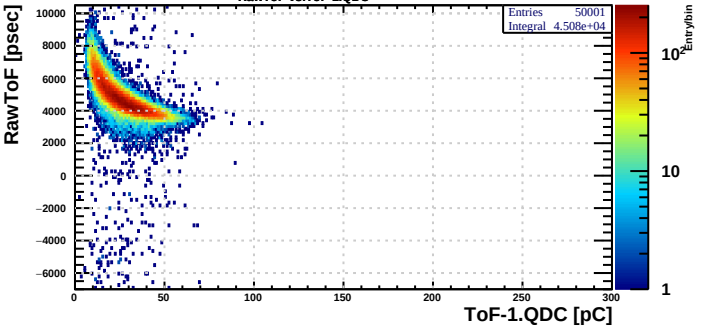
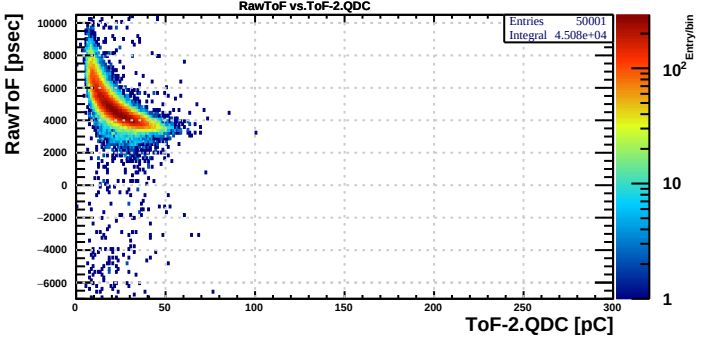
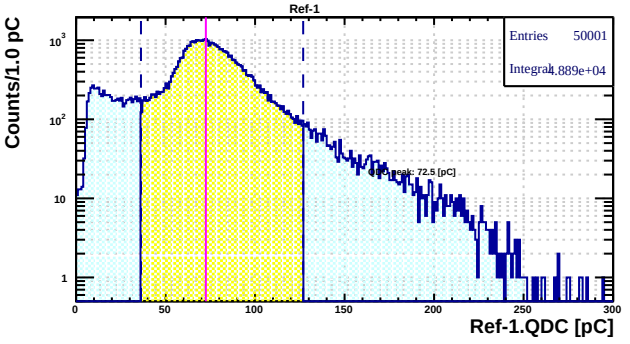
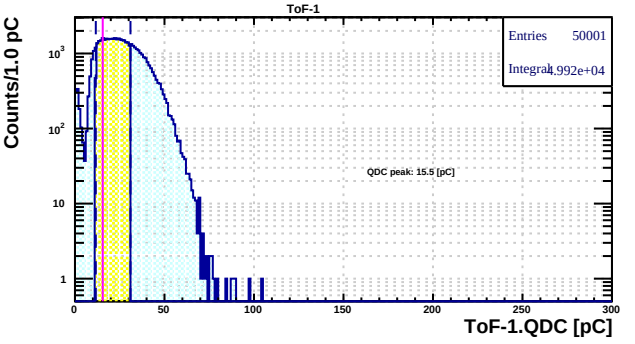
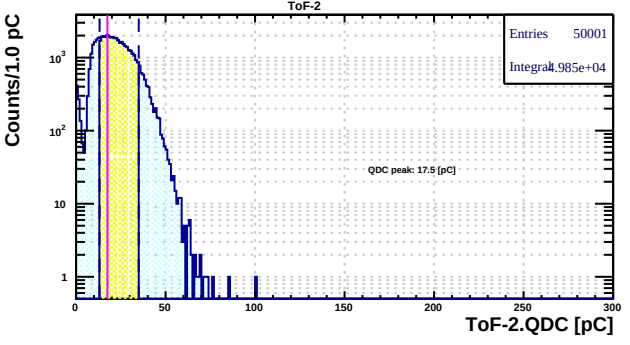

RawToF vs.Ref-1.QDC
Entries 50001
Integral 4.504e+04
RawToF [psec]
Ref-1.QDC [pC]
Entry/bin

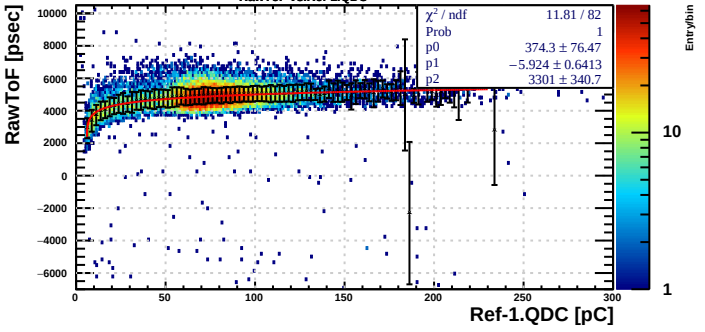

RawToF vs.ToF-1.QDC
Entries 50001
Integral 4.508e+04
RawToF [psec]
ToF-1.QDC [pC]
Entry/bin

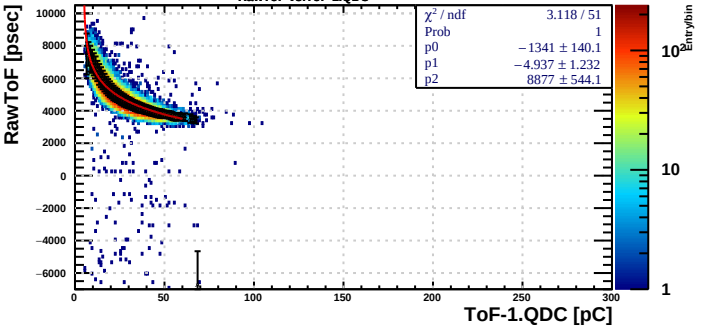

RawToF vs.ToF-2.QDC
Entries 50001
Integral 4.508e+04
RawToF [psec]
ToF-2.QDC [pC]
Entry/bin

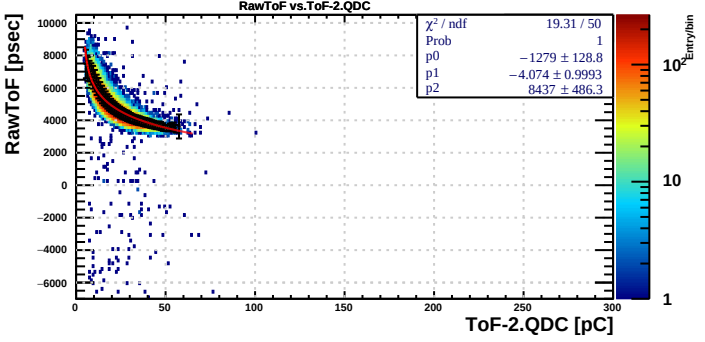

Ref-1
Counts/1.0 pC
Entries 50001
Integral 4.889e+04
QDC peak: 72.5 [pC]
Ref-1.QDC [pC]

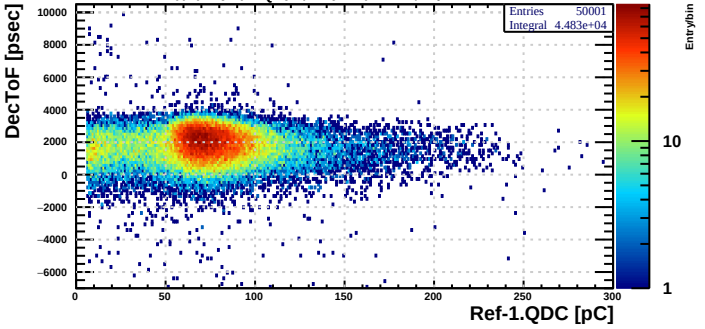

ToF-1
Counts/1.0 pC
Entries 50001
Integral 4.992e+04
QDC peak: 15.5 [pC]
ToF-1.QDC [pC]

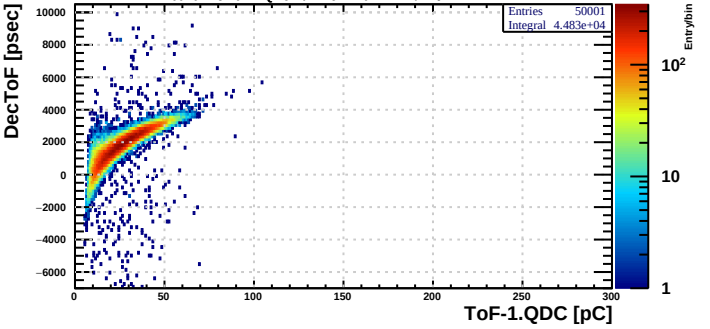

ToF-2
Counts/1.0 pC
Entries 50001
Integral 4.985e+04
QDC peak: 17.5 [pC]
ToF-2.QDC [pC]

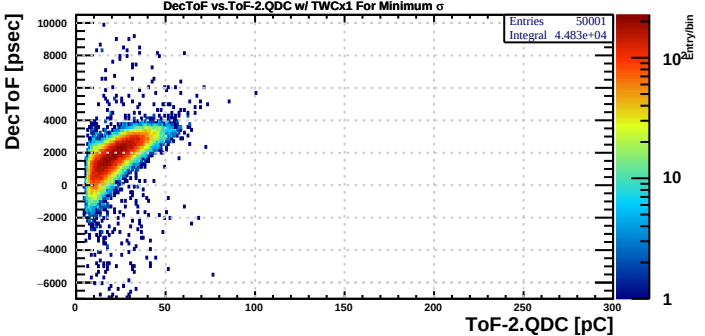

RawToF vs.Ref-1.QDC
χ² / ndf 11.81 / 82
Prob 1
p0 374.3 ± 76.47
p1 −5.924 ± 0.6413
p2 3301 ± 340.7
RawToF [psec]
Ref-1.QDC [pC]
Entry/bin

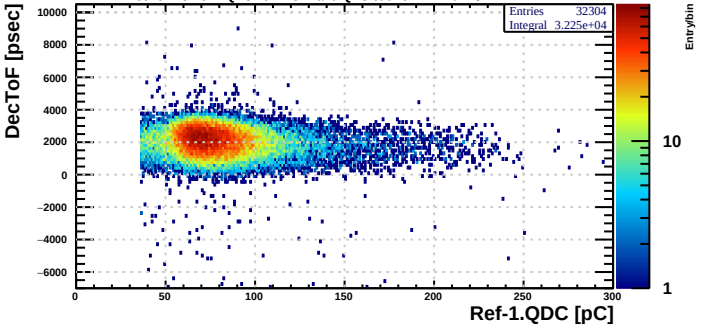

RawToF vs.ToF-1.QDC
χ² / ndf 3.118 / 51
Prob 1
p0 −1341 ± 140.1
p1 −4.937 ± 1.232
p2 8877 ± 544.1
RawToF [psec]
ToF-1.QDC [pC]
Entry/bin

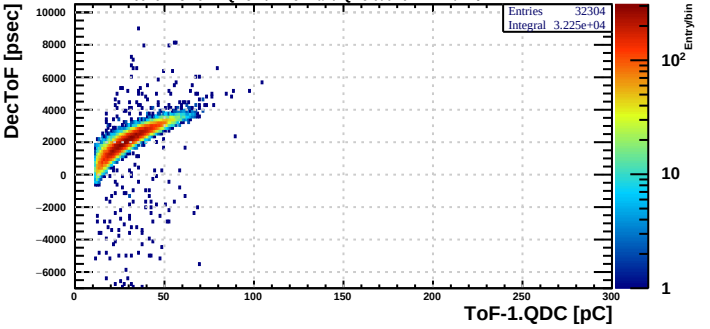

RawToF vs.ToF-2.QDC
χ² / ndf 19.31 / 50
Prob 1
p0 −1279 ± 128.8
p1 −4.074 ± 0.9993
p2 8437 ± 486.3
RawToF [psec]
ToF-2.QDC [pC]
Entry/bin

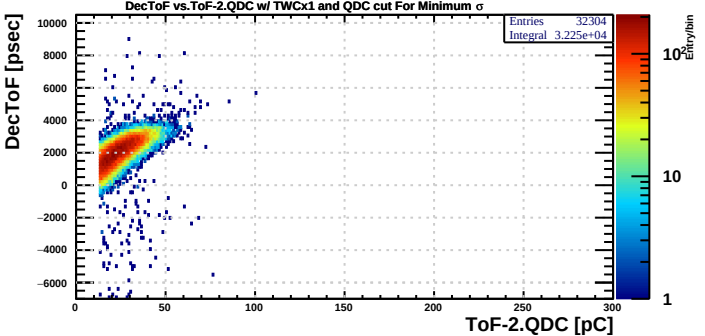

DecToF vs.Ref-1.QDC w/ TWCx1 For Minimum σ
Entries 50001
Integral 4.483e+04
DecToF [psec]
Ref-1.QDC [pC]
Entry/bin

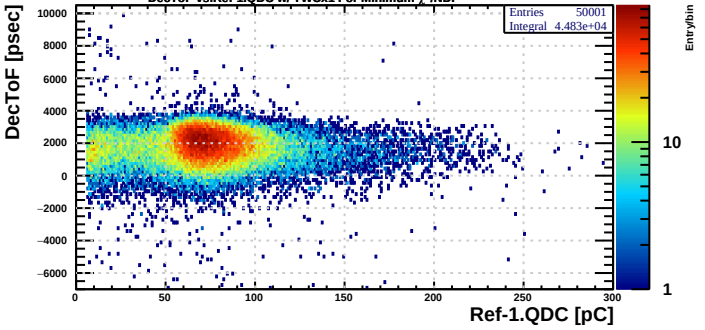

DecToF vs.ToF-1.QDC w/ TWCx1 For Minimum σ
Entries 50001
Integral 4.483e+04
DecToF [psec]
ToF-1.QDC [pC]
Entry/bin

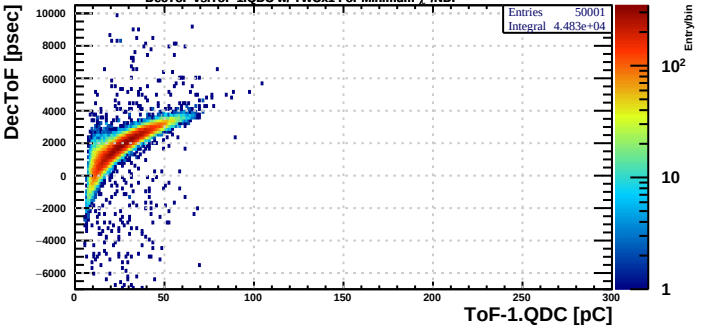

DecToF vs.ToF-2.QDC w/ TWCx1 For Minimum σ
Entries 50001
Integral 4.483e+04
DecToF [psec]
ToF-2.QDC [pC]
Entry/bin

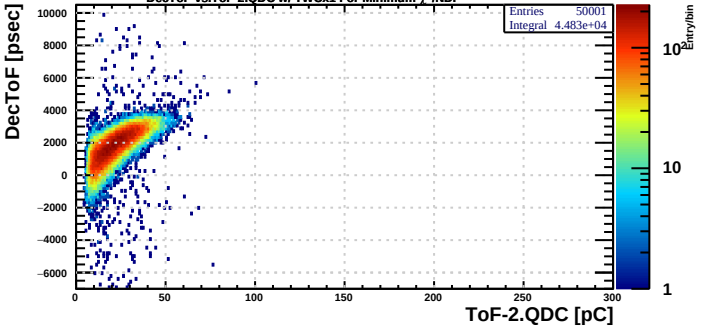

DecToF vs.Ref-1.QDC w/ TWCx1 and QDC cut For Minimum σ
Entries 32304
Integral 3.225e+04
DecToF [psec]
Ref-1.QDC [pC]
Entry/bin

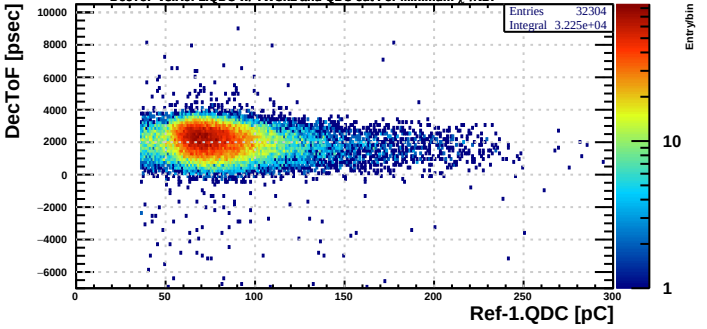

DecToF vs.ToF-1.QDC w/ TWCx1 and QDC cut For Minimum σ
Entries 32304
Integral 3.225e+04
DecToF [psec]
ToF-1.QDC [pC]
Entry/bin

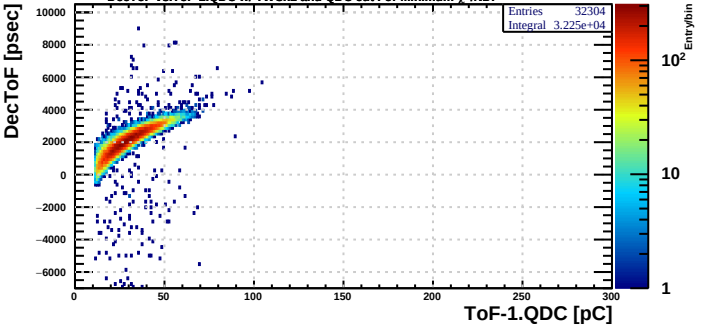

DecToF vs.ToF-2.QDC w/ TWCx1 and QDC cut For Minimum σ
Entries 32304
Integral 3.225e+04
DecToF [psec]
ToF-2.QDC [pC]
Entry/bin

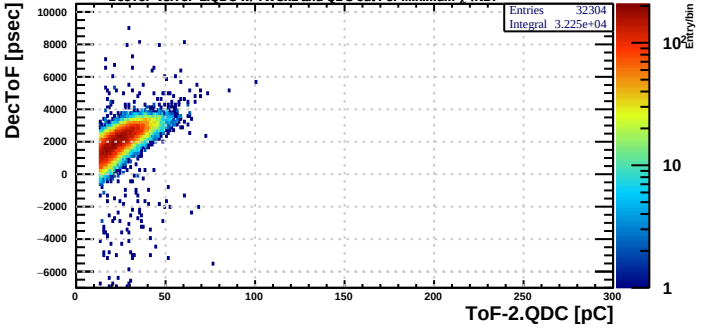

DecToF vs.Ref-1.QDC w/ TWCx1 For Minimum χ²/NDF
Entries 50001
Integral 4.483e+04
DecToF [psec]
Ref-1.QDC [pC]
Entry/bin

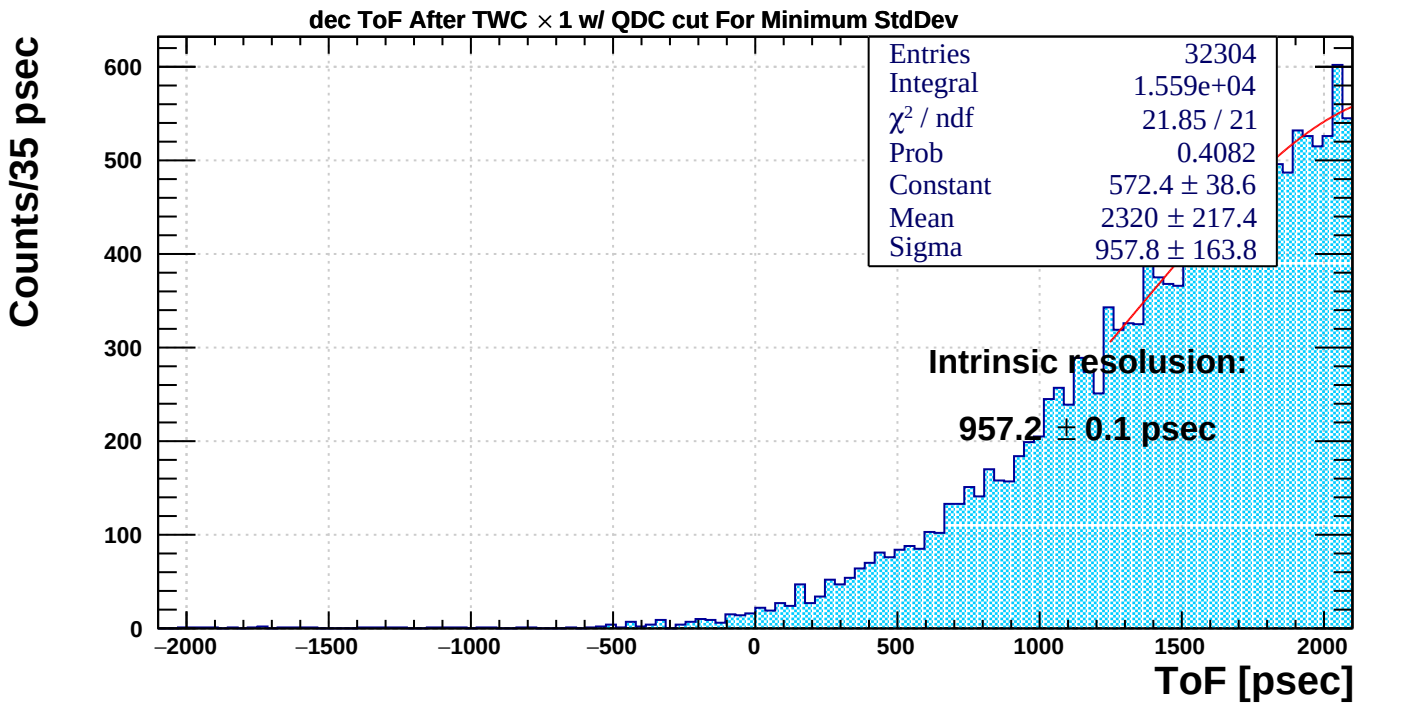

DecToF vs.ToF-1.QDC w/ TWCx1 For Minimum χ²/NDF
Entries 50001
Integral 4.483e+04
DecToF [psec]
ToF-1.QDC [pC]
Entry/bin

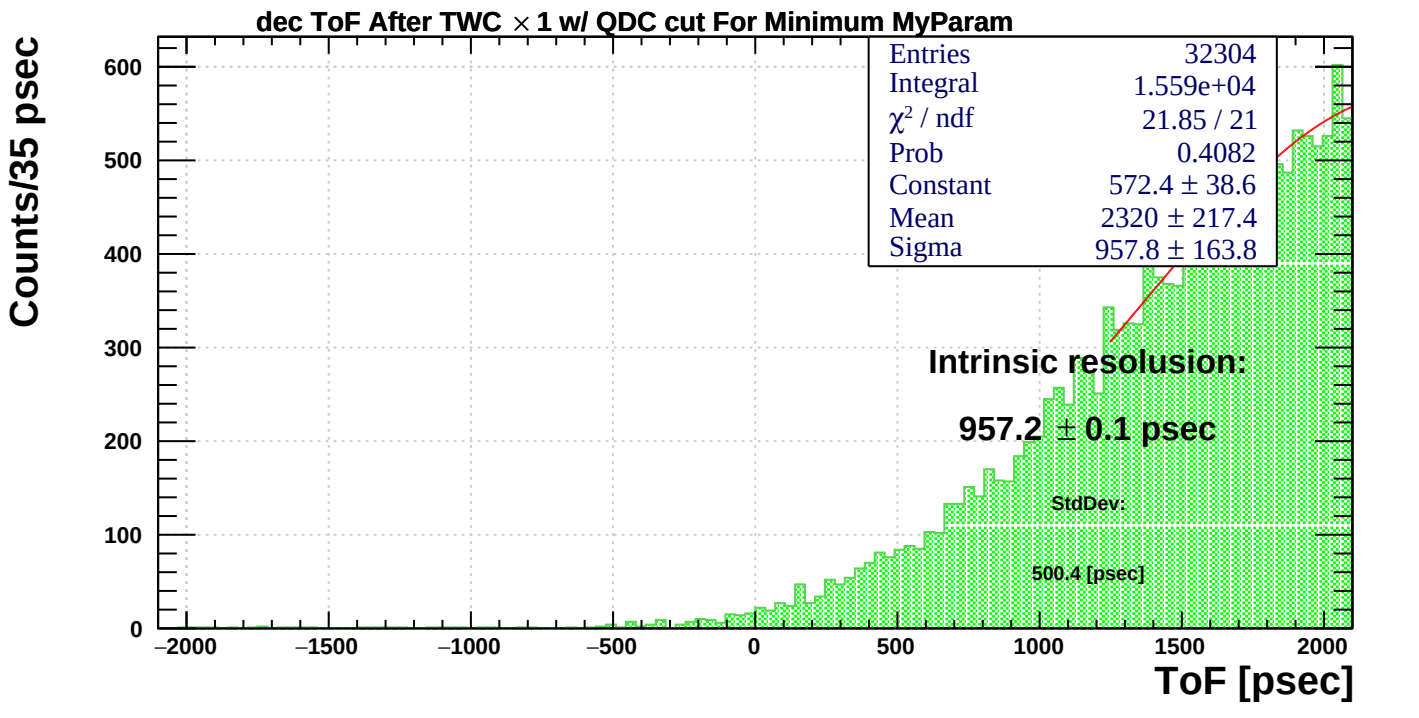

DecToF vs.ToF-2.QDC w/ TWCx1 For Minimum χ²/NDF
Entries 50001
Integral 4.483e+04
DecToF [psec]
ToF-2.QDC [pC]
Entry/bin


DecToF vs.Ref-1.QDC w/ TWCx1 and QDC cut For Minimum χ²/NDF
Entries 32304
Integral 3.225e+04
DecToF [psec]
Ref-1.QDC [pC]
Entry/bin

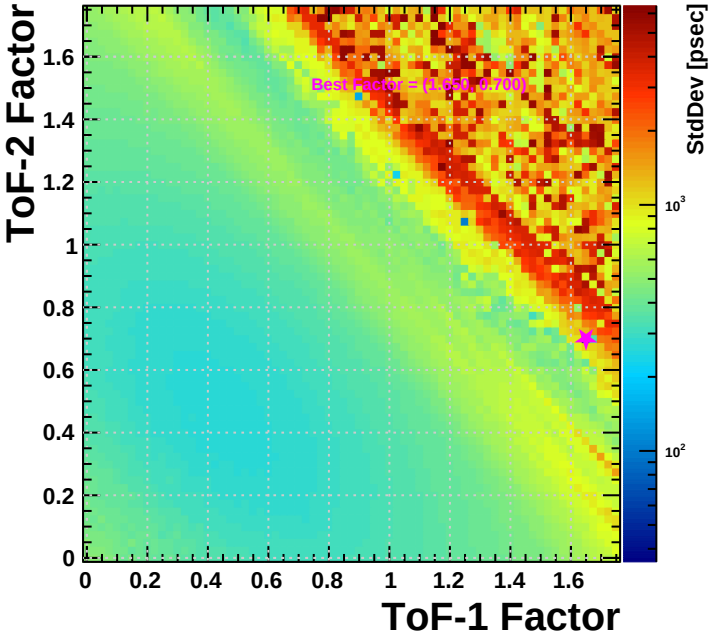

DecToF vs.ToF-1.QDC w/ TWCx1 and QDC cut For Minimum χ²/NDF
Entries 32304
Integral 3.225e+04
DecToF [psec]
ToF-1.QDC [pC]
Entry/bin


DecToF vs.ToF-2.QDC w/ TWCx1 and QDC cut For Minimum χ²/NDF
Entries 32304
Integral 3.225e+04
DecToF [psec]
ToF-2.QDC [pC]
Entry/bin

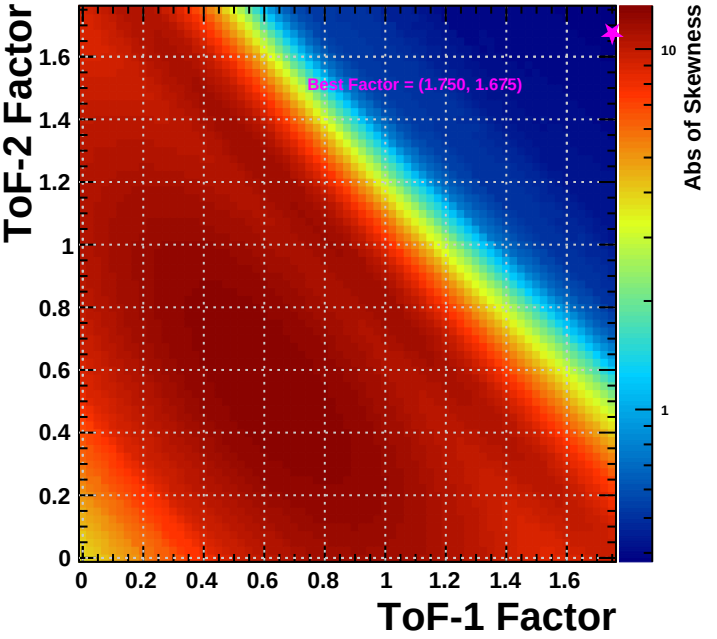

dec ToF After TWC × 1 w/ QDC cut For Minimum StdDev
Entries 32304
Integral 1.559e+04
χ² / ndf 21.85 / 21
Prob 0.4082
Constant 572.4 ± 38.6
Mean 2320 ± 217.4
Sigma 957.8 ± 163.8
Intrinsic resolusion:
957.2 ± 0.1 psec
Counts/35 psec
ToF [psec]
0
100
200
300
400
500
600
−2000
−1500
−1000
−500
0
500
1000
1500
2000


dec ToF After TWC × 1 w/ QDC cut For Minimum MyParam
Entries 32304
Integral 1.559e+04
χ² / ndf 21.85 / 21
Prob 0.4082
Constant 572.4 ± 38.6
Mean 2320 ± 217.4
Sigma 957.8 ± 163.8
Intrinsic resolusion:
957.2 ± 0.1 psec
StdDev:
500.4 [psec]
Counts/35 psec
ToF [psec]
0
100
200
300
400
500
600
−2000
−1500
−1000
−500
0
500
1000
1500
2000

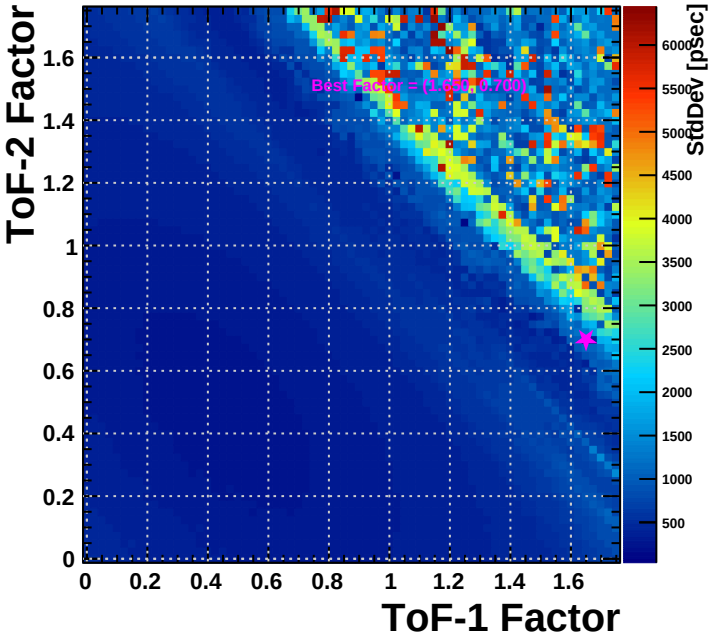
Factor tuning for StdDev: ToF-1 vs. ToF-2



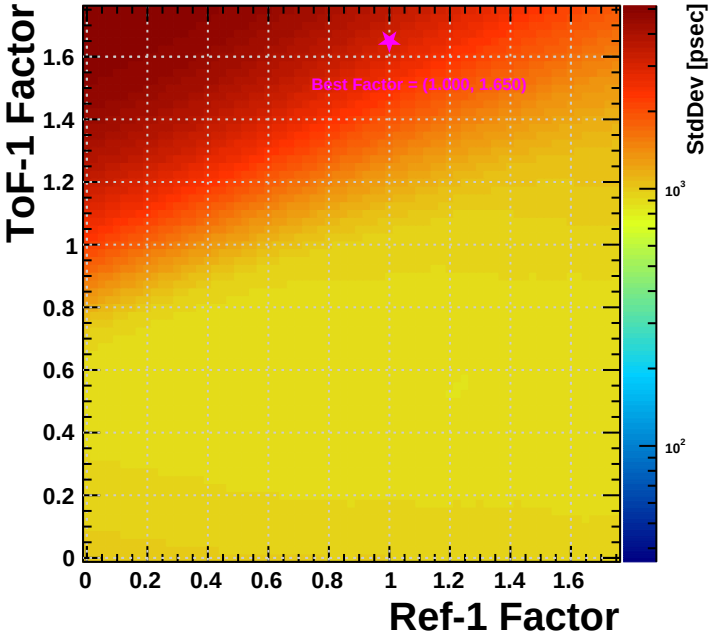
Factor tuning for Skewness/NDF: ToF-1 vs. ToF-2



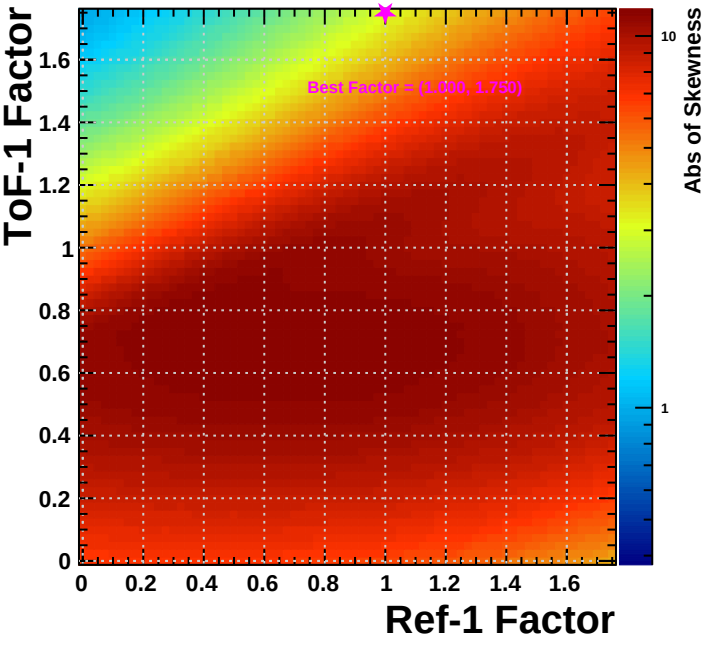
Factor tuning for MyParam: ToF-1 vs. ToF-2



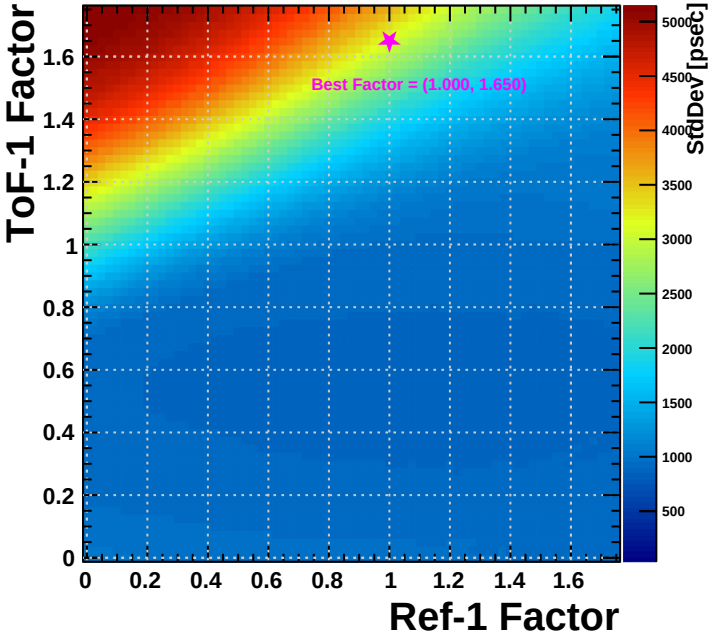
Factor tuning for StdDev: Ref-1 vs. ToF-1



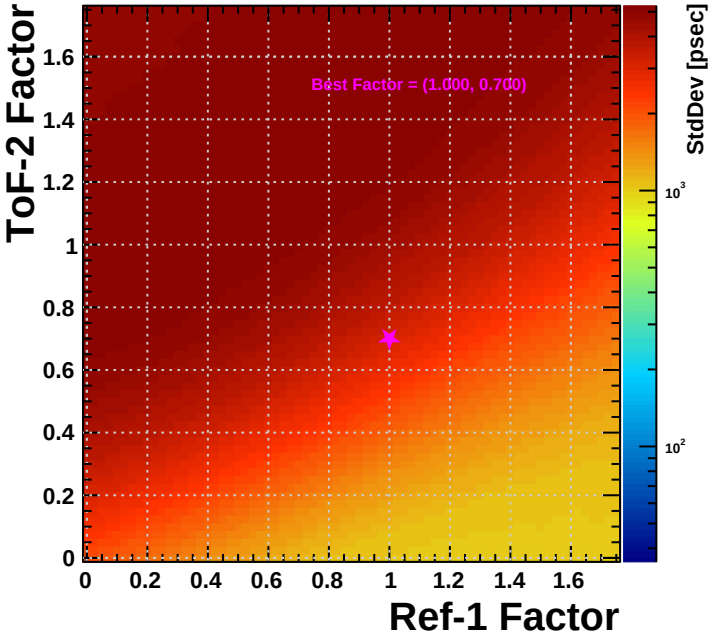
Factor tuning for Skewness/NDF: Ref-1 vs. ToF-1



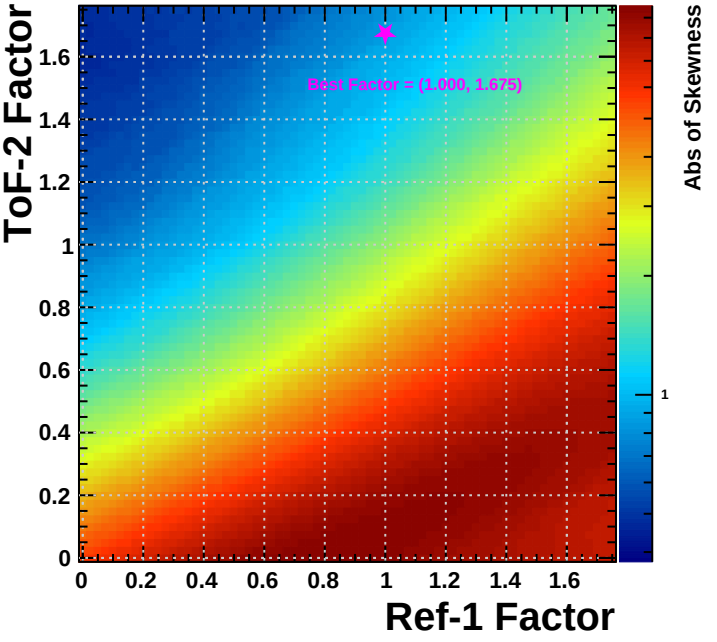
Factor tuning for MyParam: Ref-1 vs. ToF-1



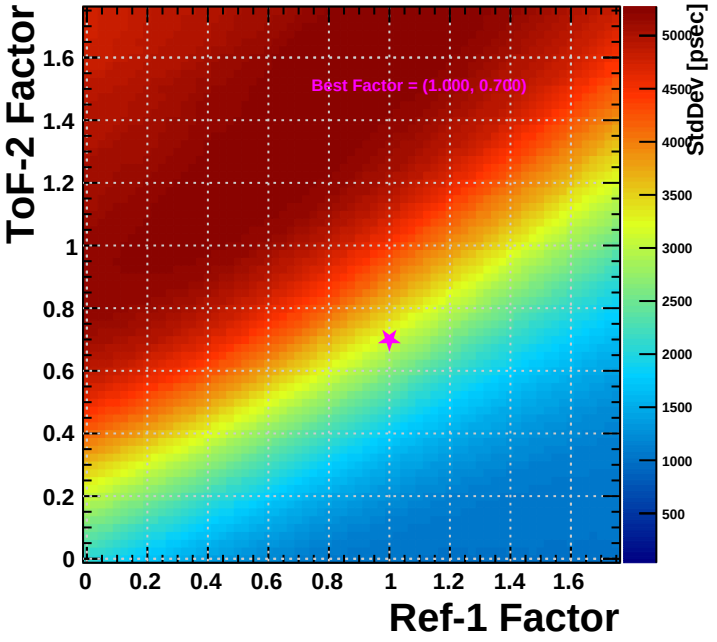
Factor tuning for StdDev: Ref-1 vs. ToF-2

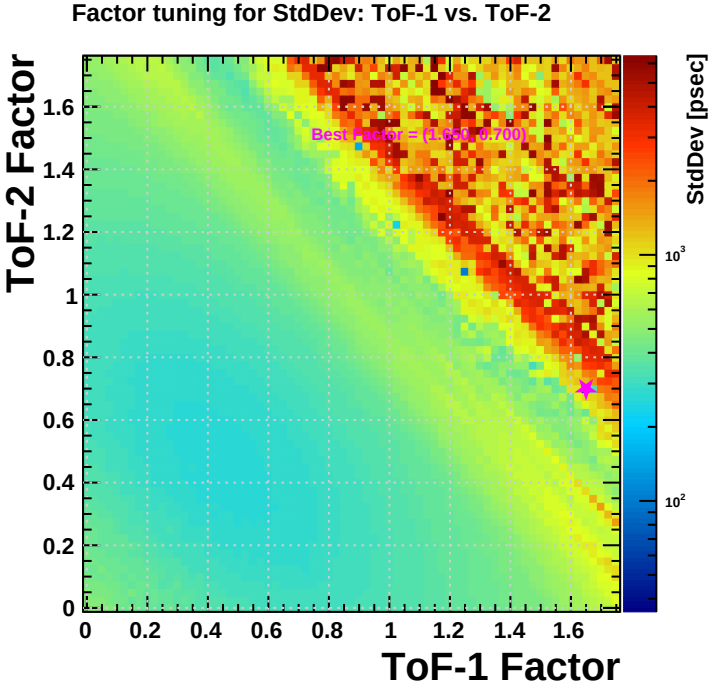


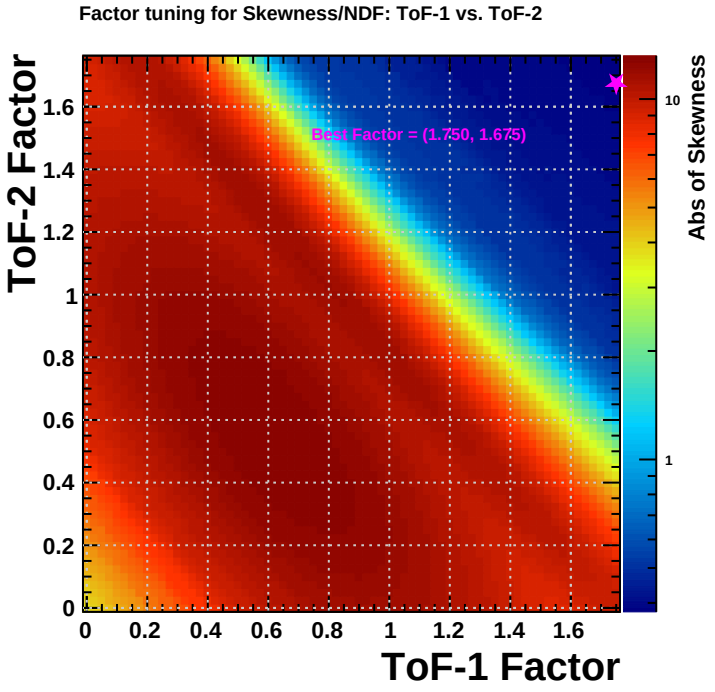
Factor tuning for Skewness/NDF: Ref-1 vs. ToF-2

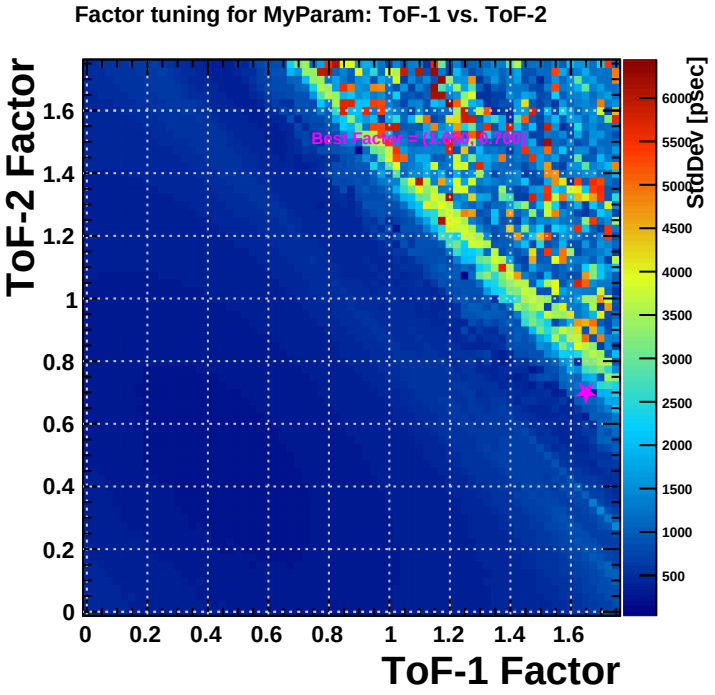


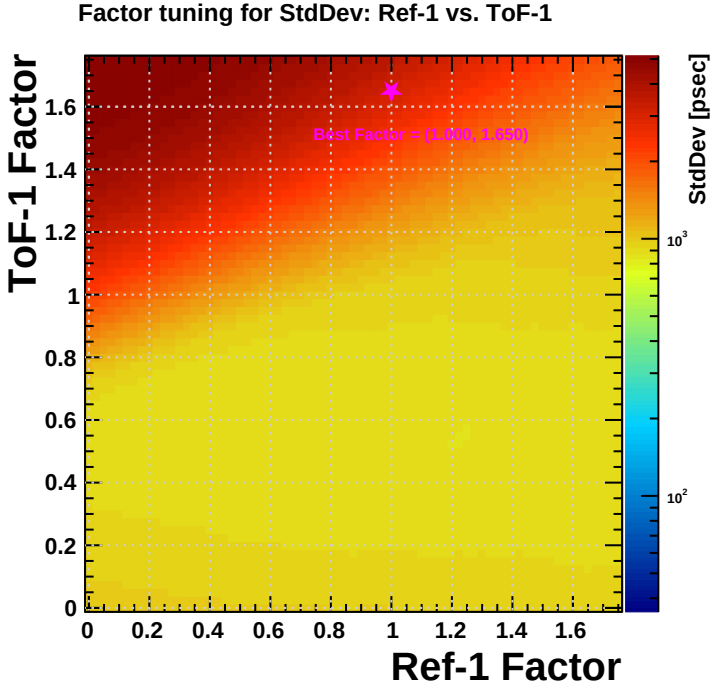
Factor tuning for MyParam: Ref-1 vs. ToF-2

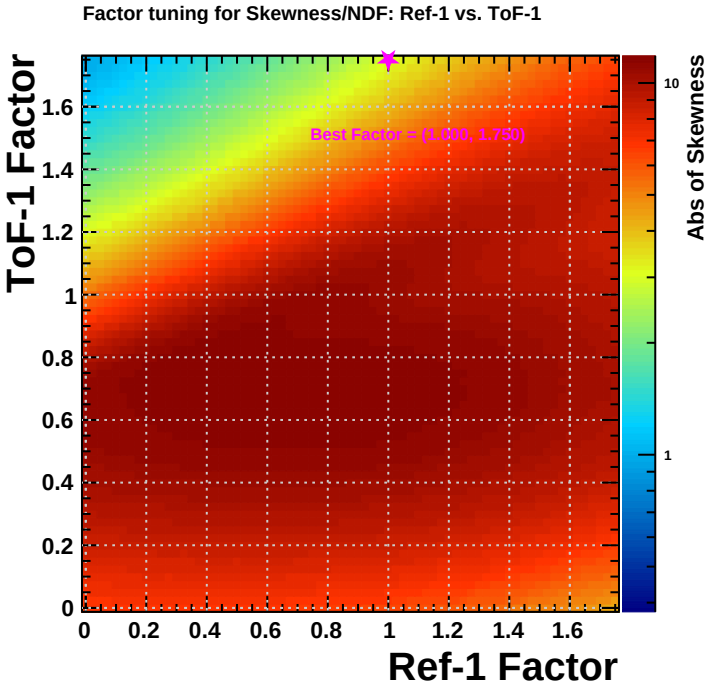


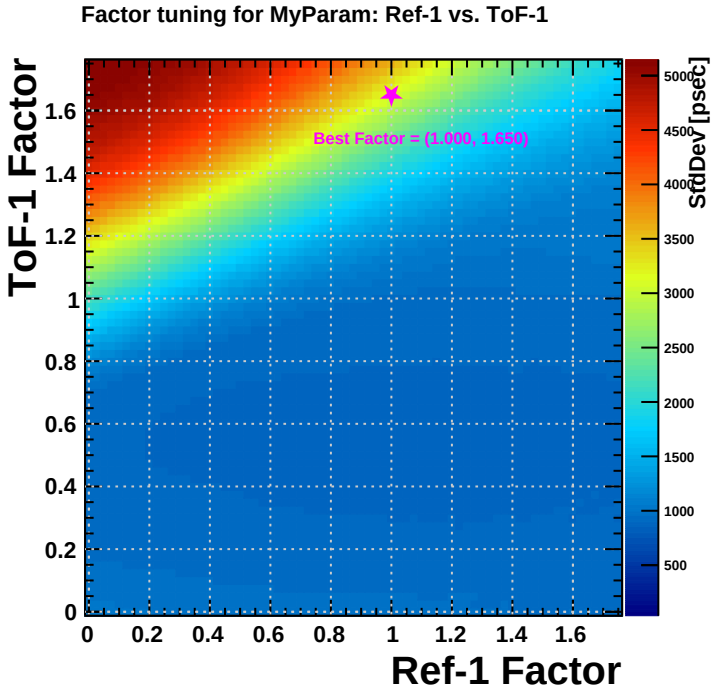

Factor tuning for StdDev: ToF-1 vs. ToF-2
Best Factor = (1.650, 0.700)
ToF-2 Factor
ToF-1 Factor
StdDev [psec]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
10^3
10^2


Factor tuning for Skewness/NDF: ToF-1 vs. ToF-2
Best Factor = (1.750, 1.675)
ToF-2 Factor
ToF-1 Factor
Abs of Skewness
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
10
1

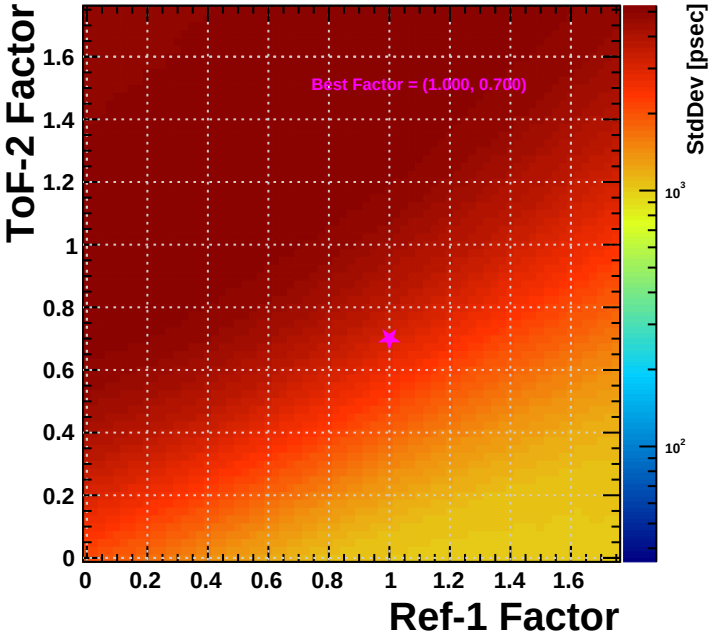

Factor tuning for MyParam: ToF-1 vs. ToF-2
Best Factor = (1.650, 0.700)
ToF-2 Factor
ToF-1 Factor
StdDev [psec]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500


Factor tuning for StdDev: Ref-1 vs. ToF-1
Best Factor = (1.000, 1.650)
ToF-1 Factor
Ref-1 Factor
StdDev [psec]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6
10^3
10^2

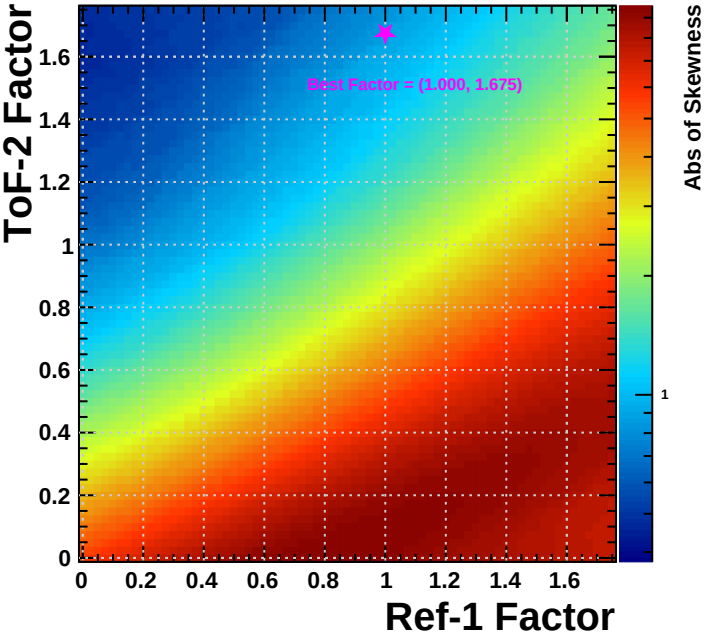
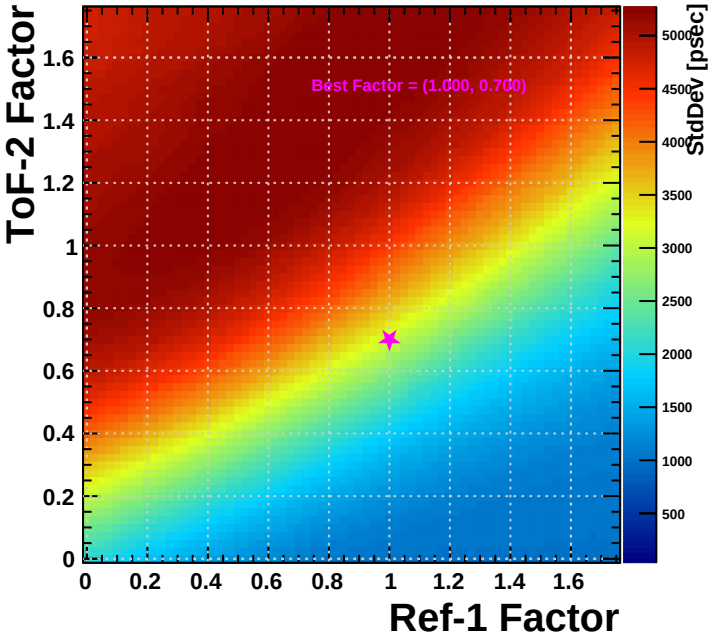

Factor tuning for Skewness/NDF: Ref-1 vs. ToF-1
Best Factor = (1.000, 1.750)
ToF-1 Factor
Ref-1 Factor
Abs of Skewness
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6
10
1


Factor tuning for MyParam: Ref-1 vs. ToF-1
Best Factor = (1.000, 1.650)
ToF-1 Factor
Ref-1 Factor
StdDev [psec]
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6
5000
4500
4000
3500
3000
2500
2000
1500
1000
500

Factor tuning for StdDev: Ref-1 vs. ToF-2



Factor tuning for Skewness/NDF: Ref-1 vs. ToF-2



Factor tuning for MyParam: Ref-1 vs. ToF-2