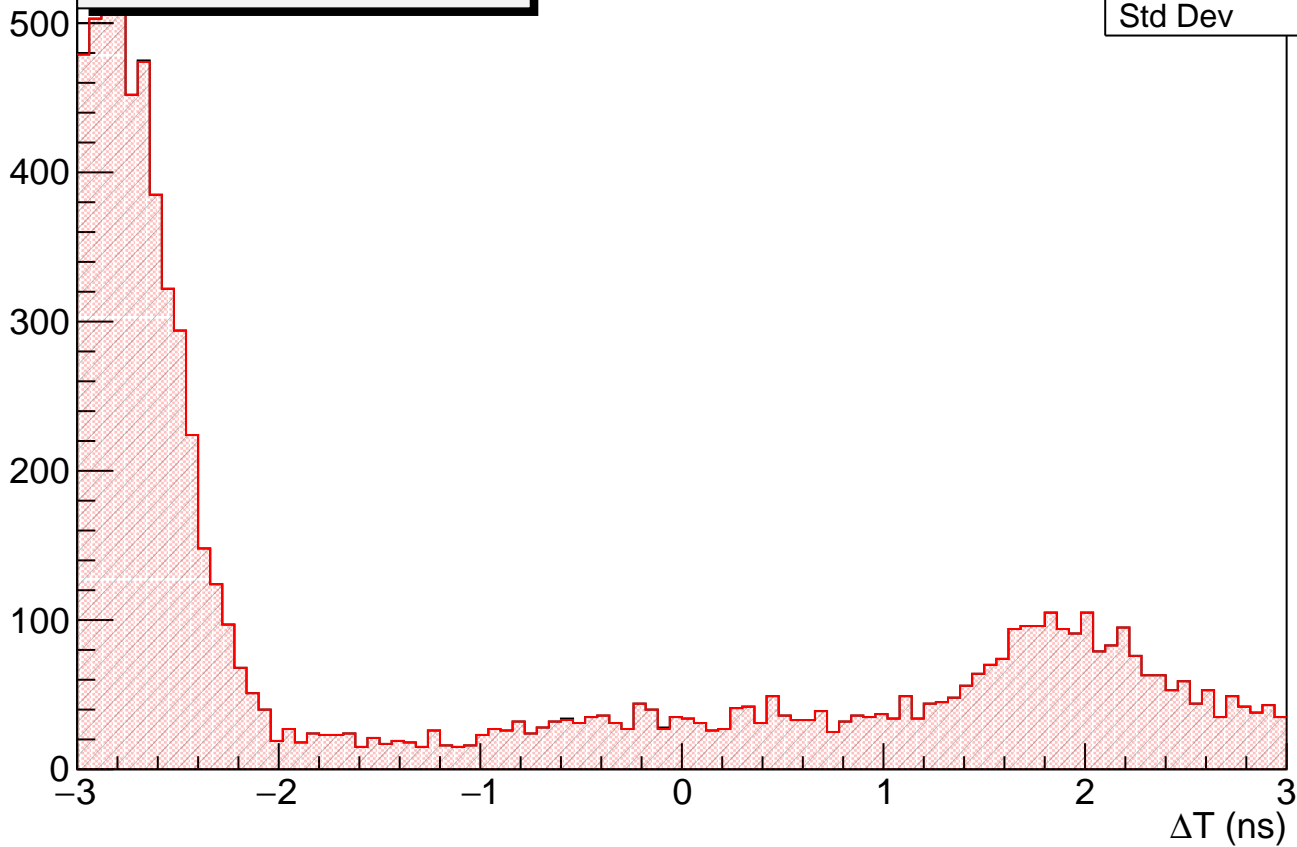


Momentum range [0.20, 0.25] GeV (Without PID)

Counts

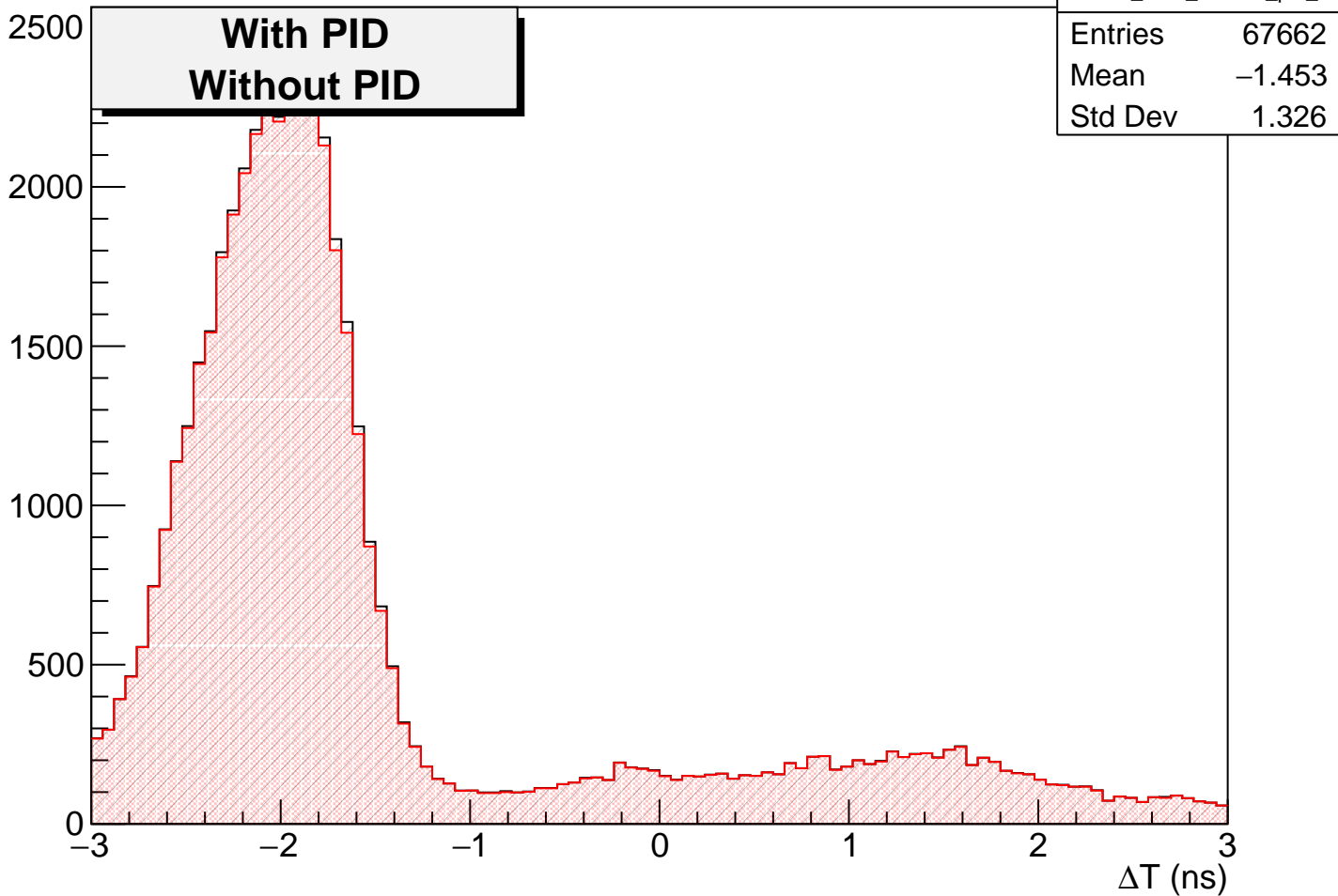
With PID
Without PID

DeltaT_slice_without_pid_0	
Entries	22169
Mean	-1.086
Std Dev	2.041



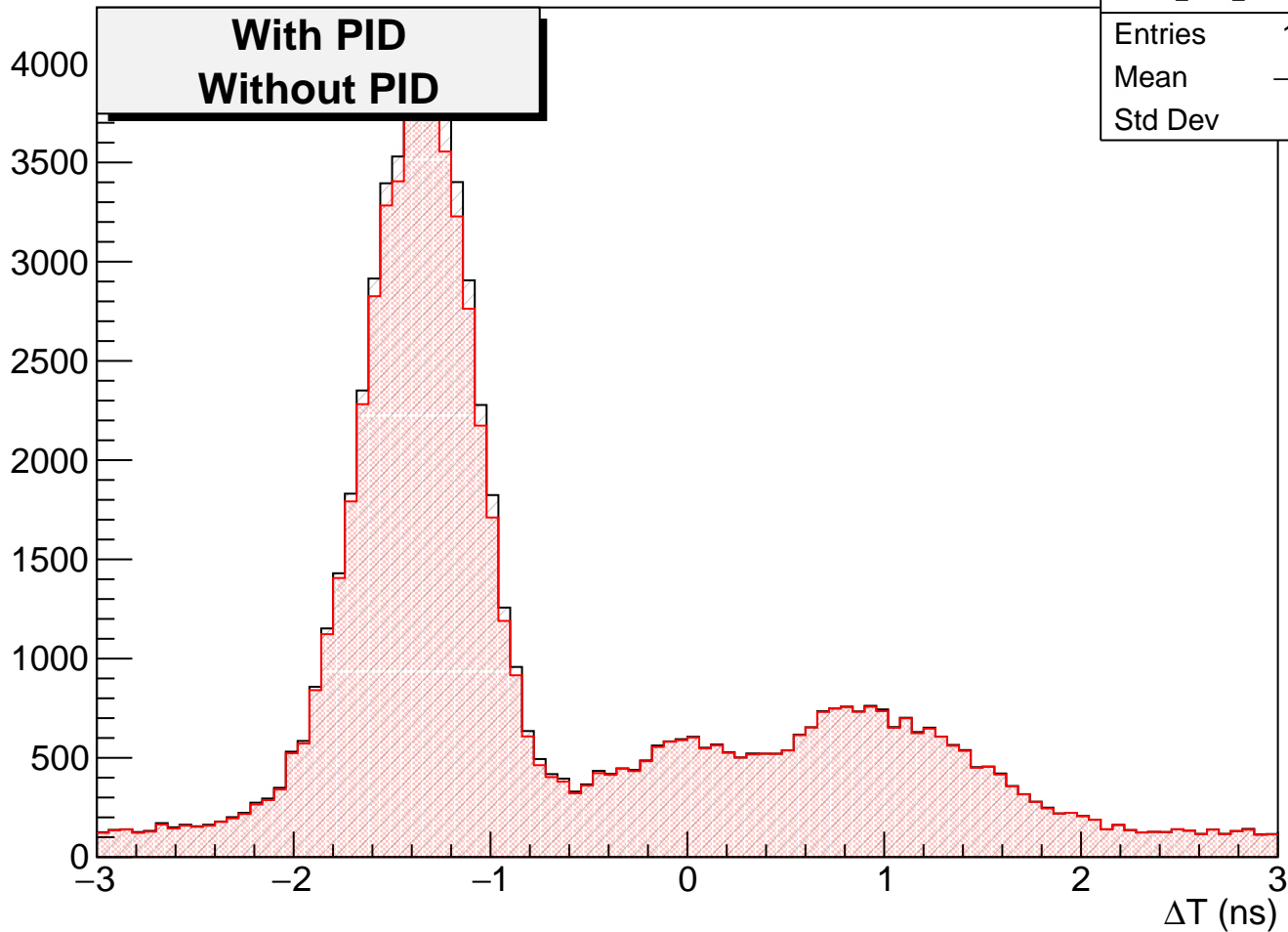
Momentum range [0.25, 0.30] GeV (Without PID)

Counts



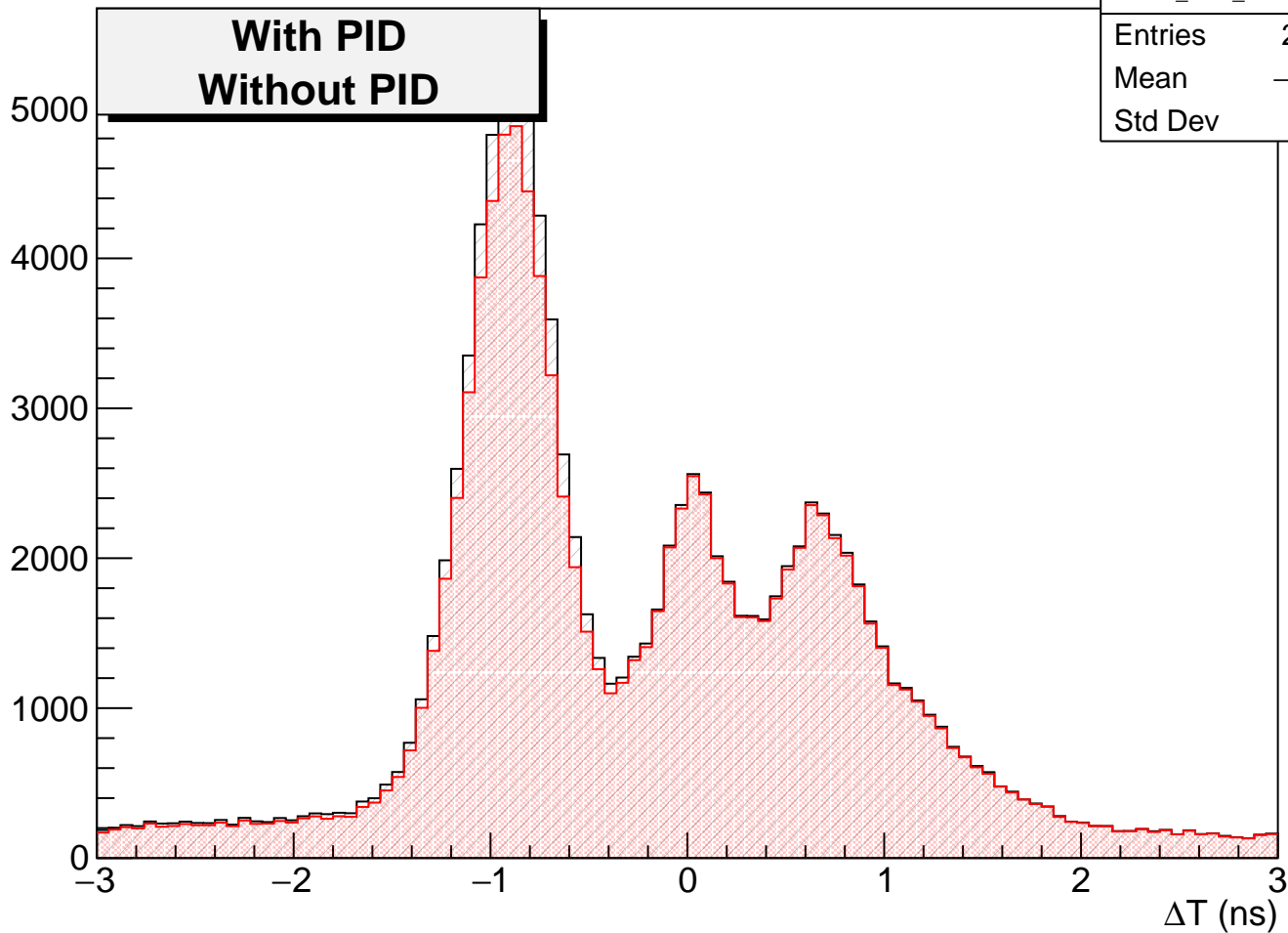
Momentum range [0.30, 0.35] GeV (Without PID)

Counts



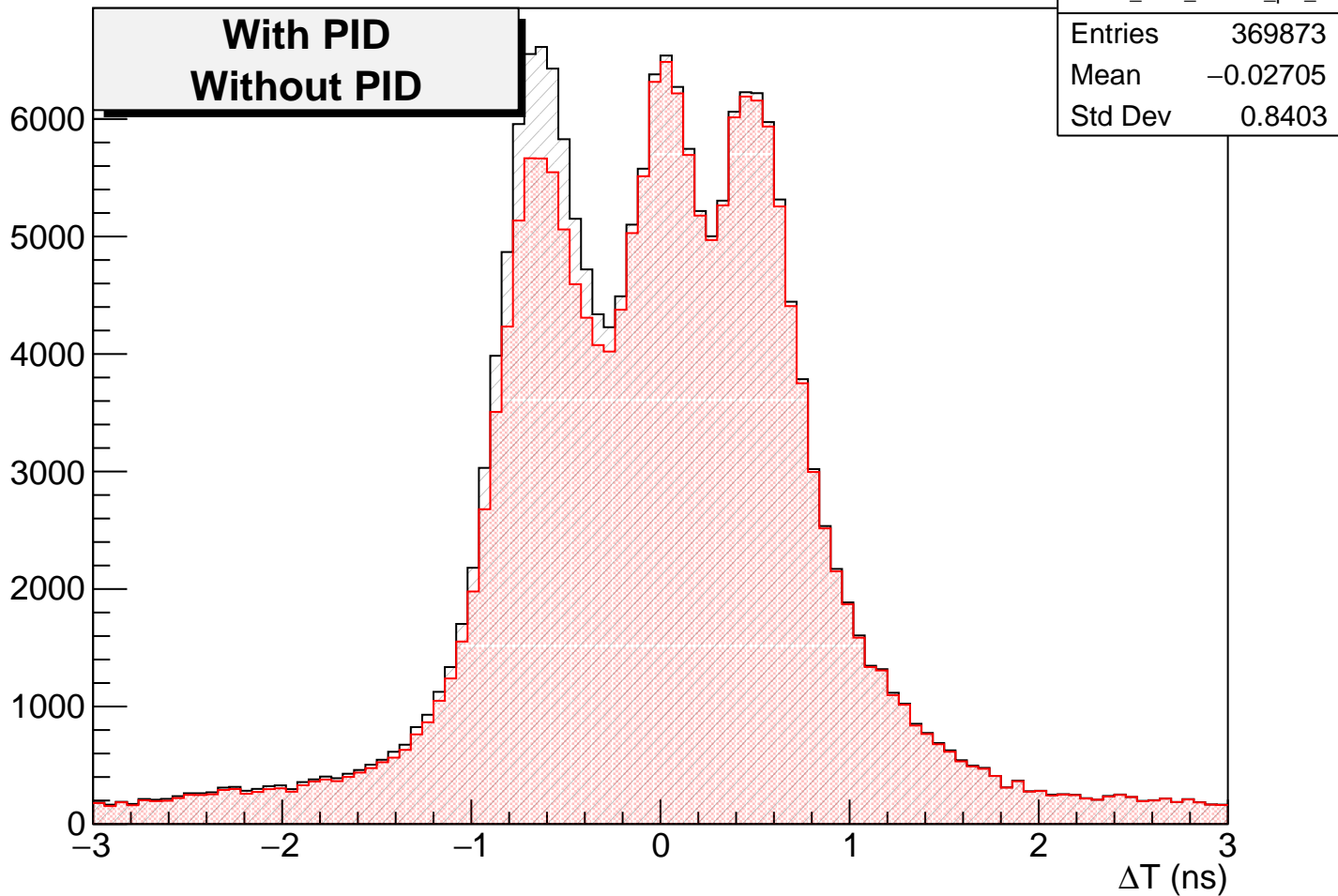
Momentum range [0.35, 0.40] GeV (Without PID)

Counts



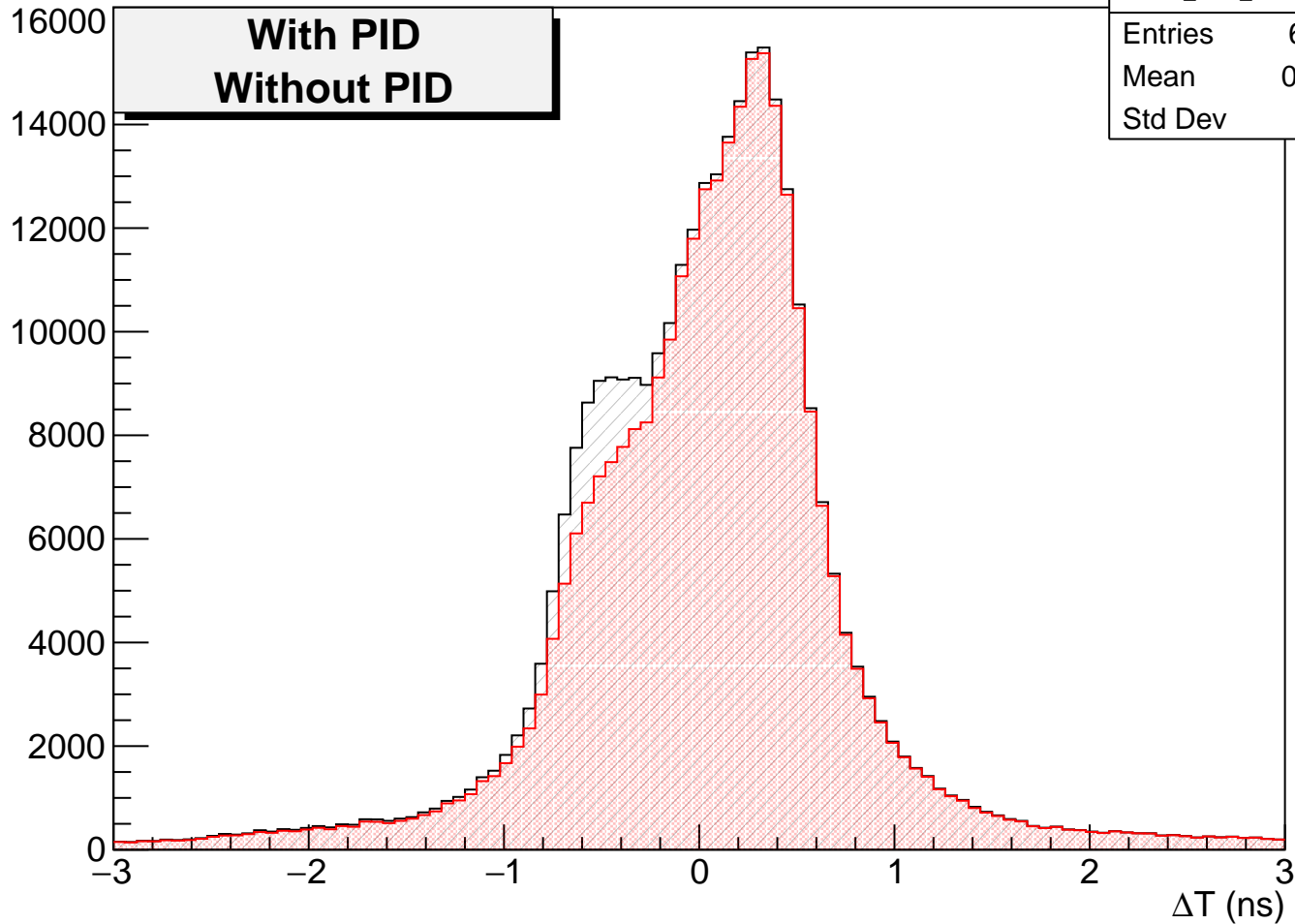
Momentum range [0.40, 0.45] GeV (Without PID)

Counts



Momentum range [0.45, 0.50] GeV (Without PID)

Counts

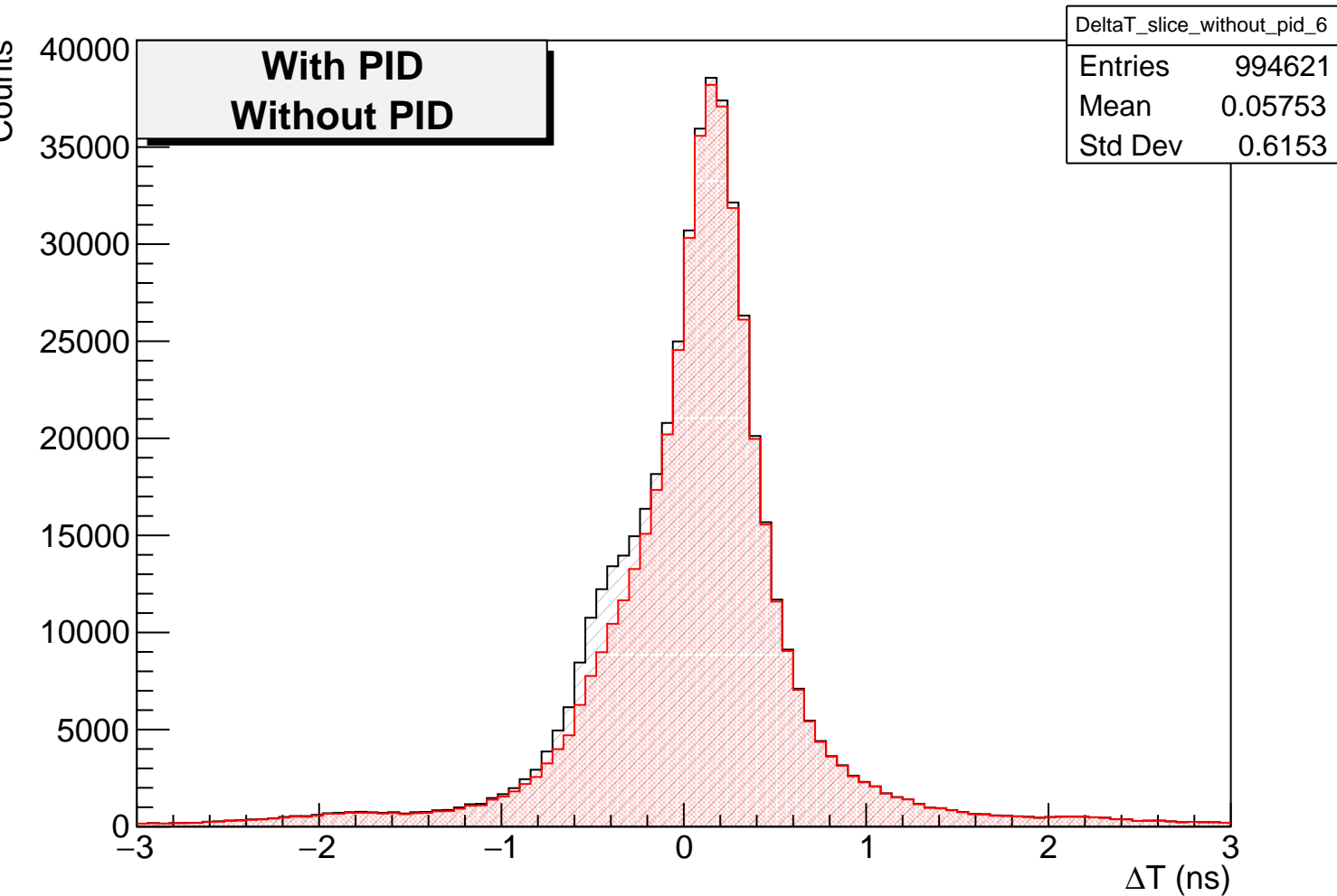


With PID
Without PID

DeltaT_slice_without_pid_5	
Entries	603496
Mean	0.03222
Std Dev	0.7146

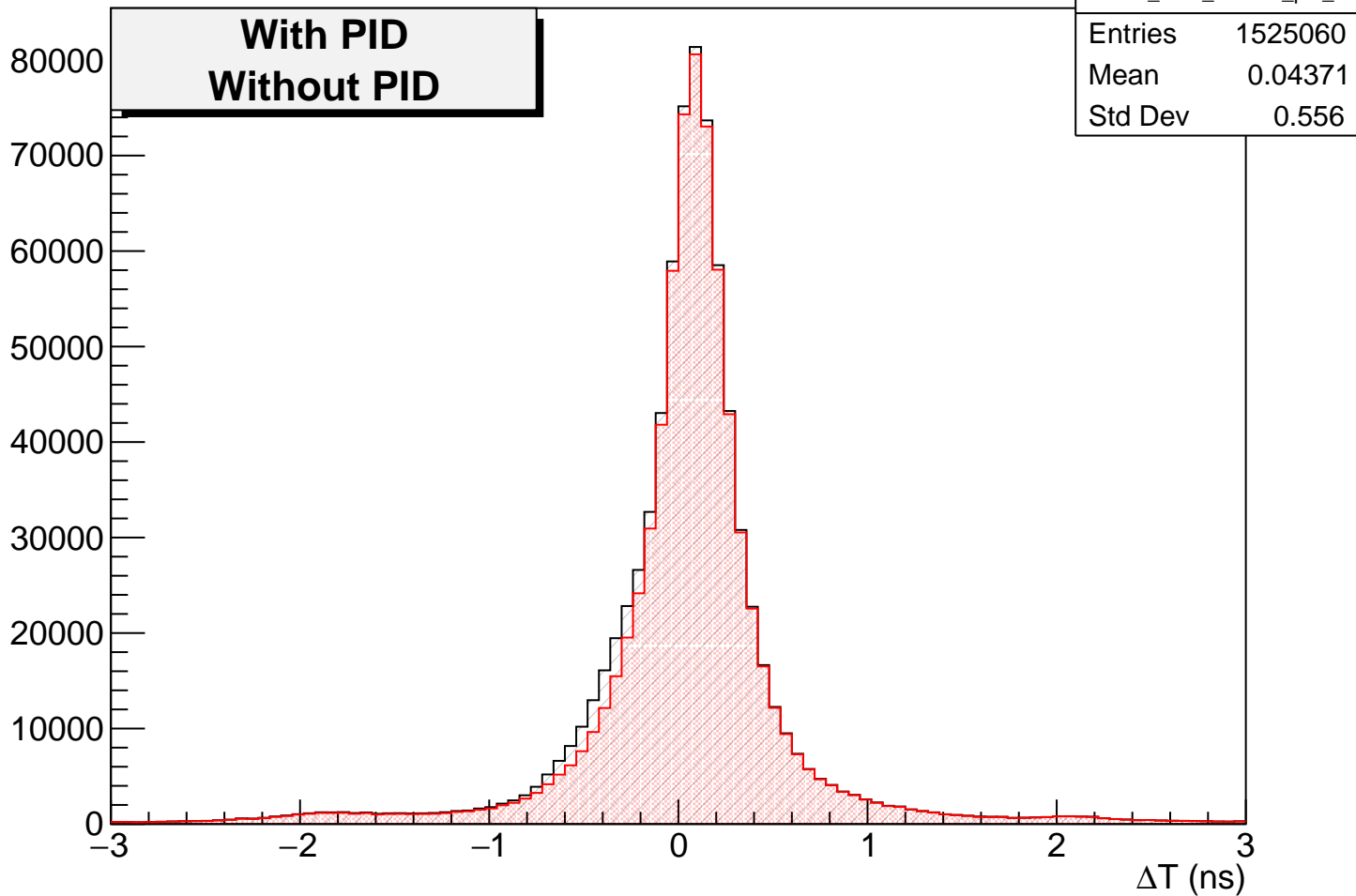
ΔT (ns)

Momentum range [0.50, 0.55] GeV (Without PID)

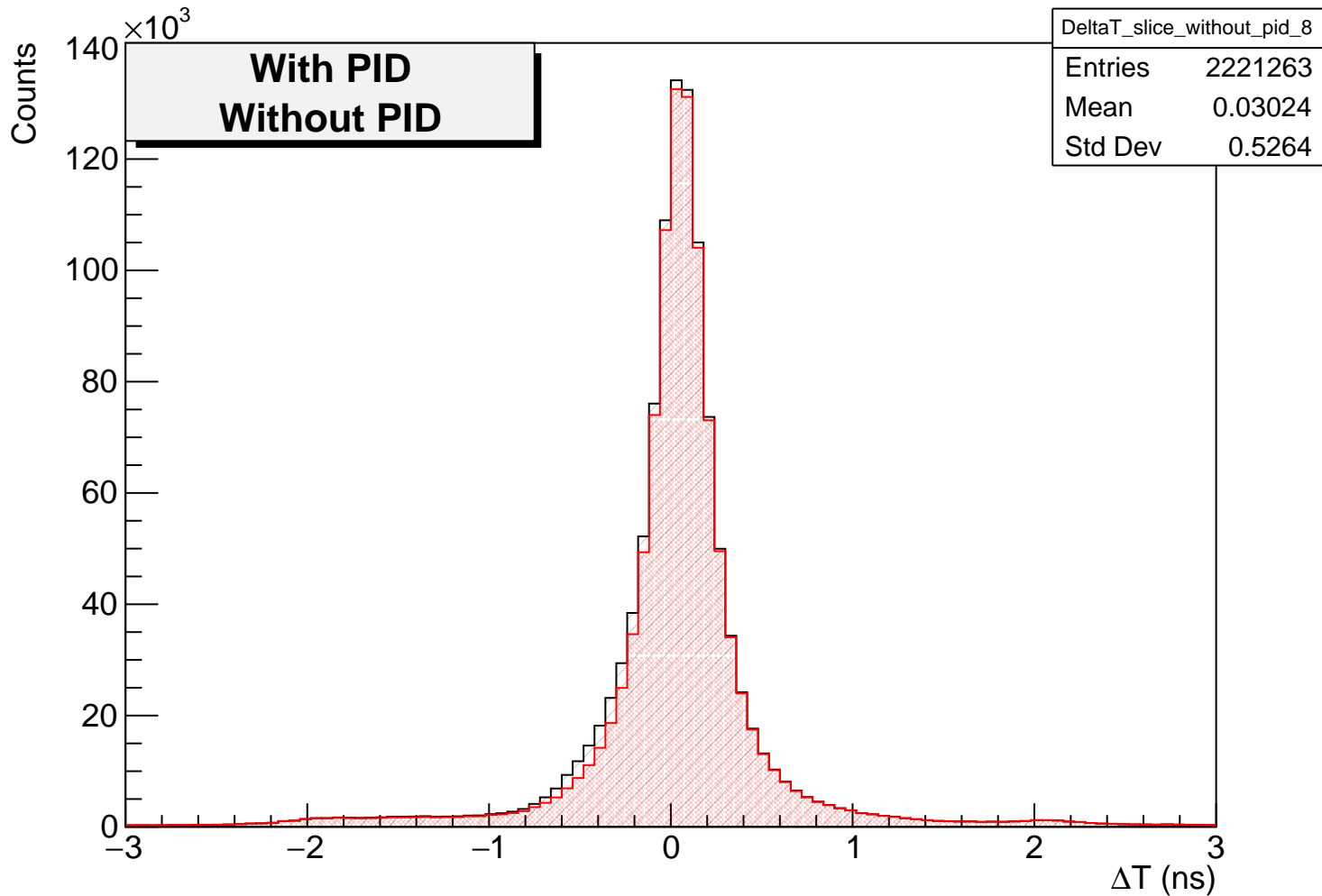


Momentum range [0.55, 0.60] GeV (Without PID)

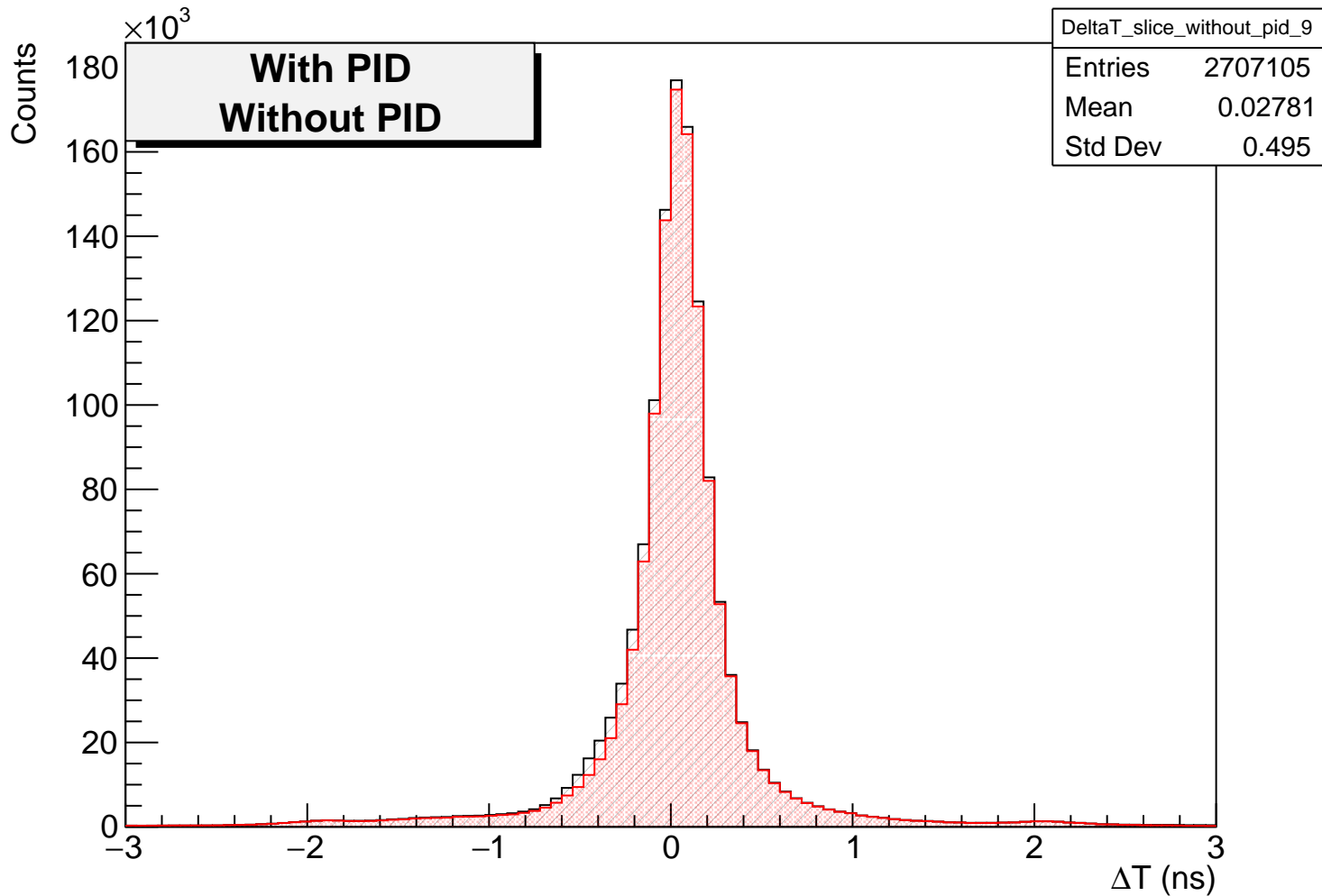
Counts



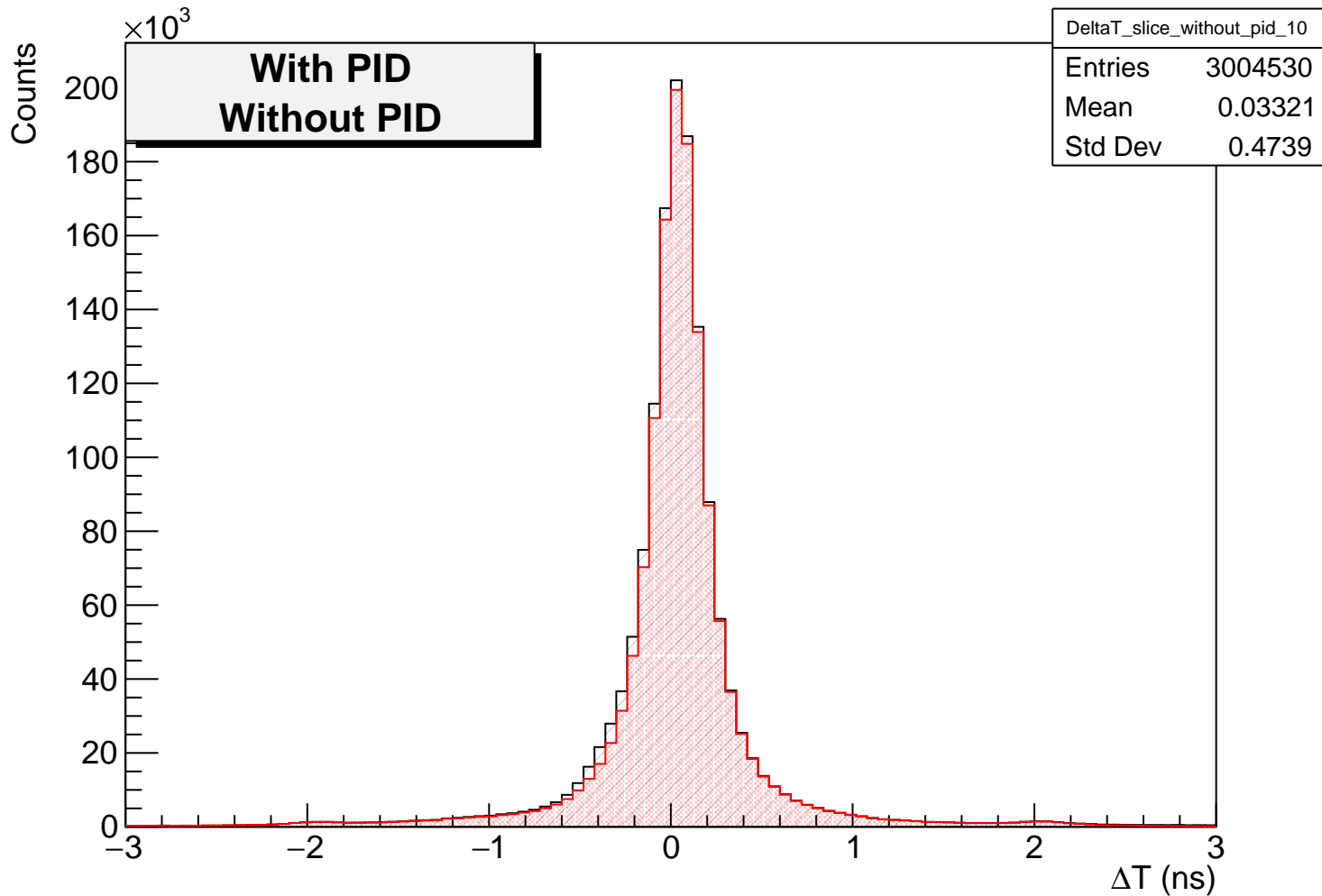
Momentum range [0.60, 0.65] GeV (Without PID)



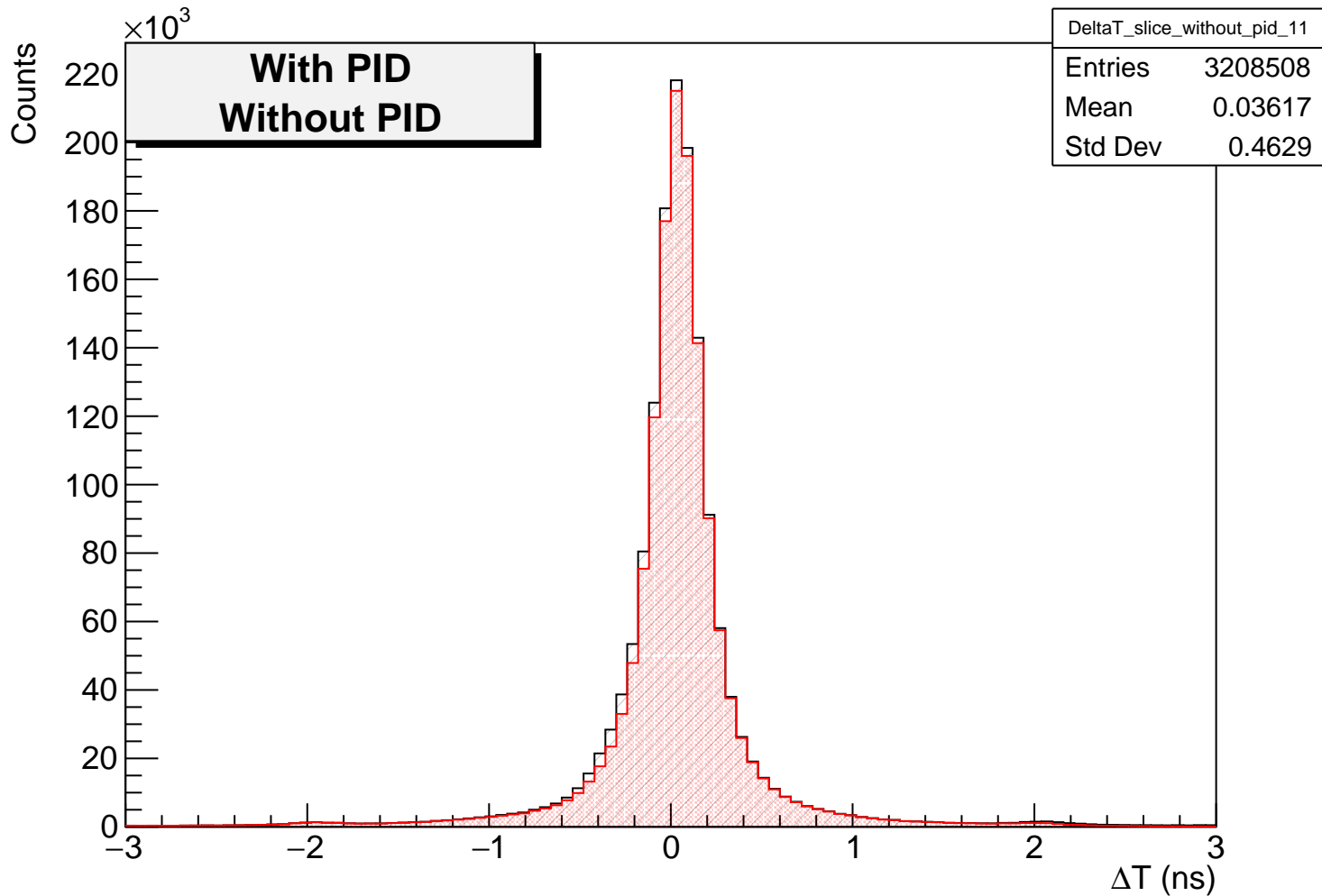
Momentum range [0.65, 0.70] GeV (Without PID)



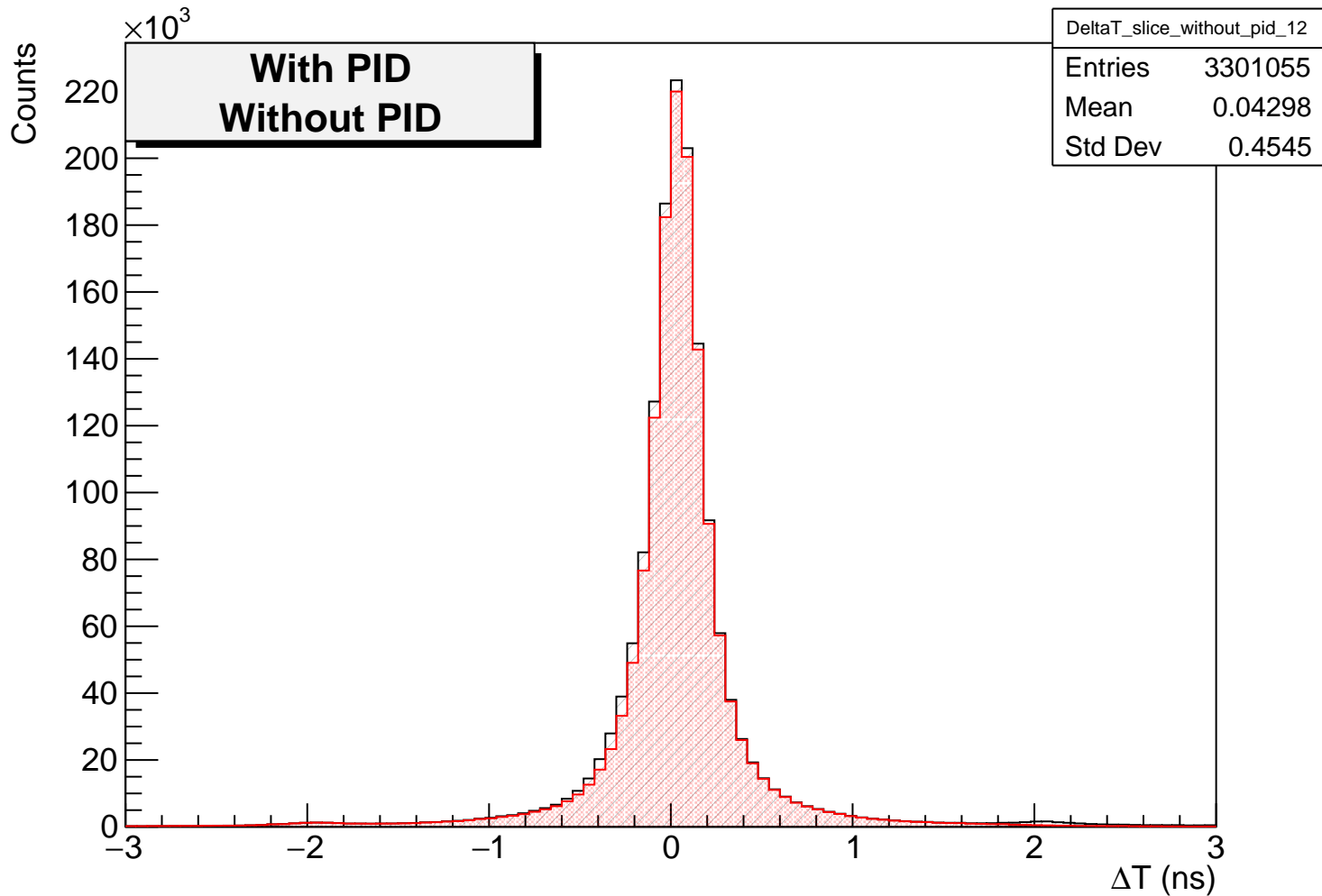
Momentum range [0.70, 0.75] GeV (Without PID)



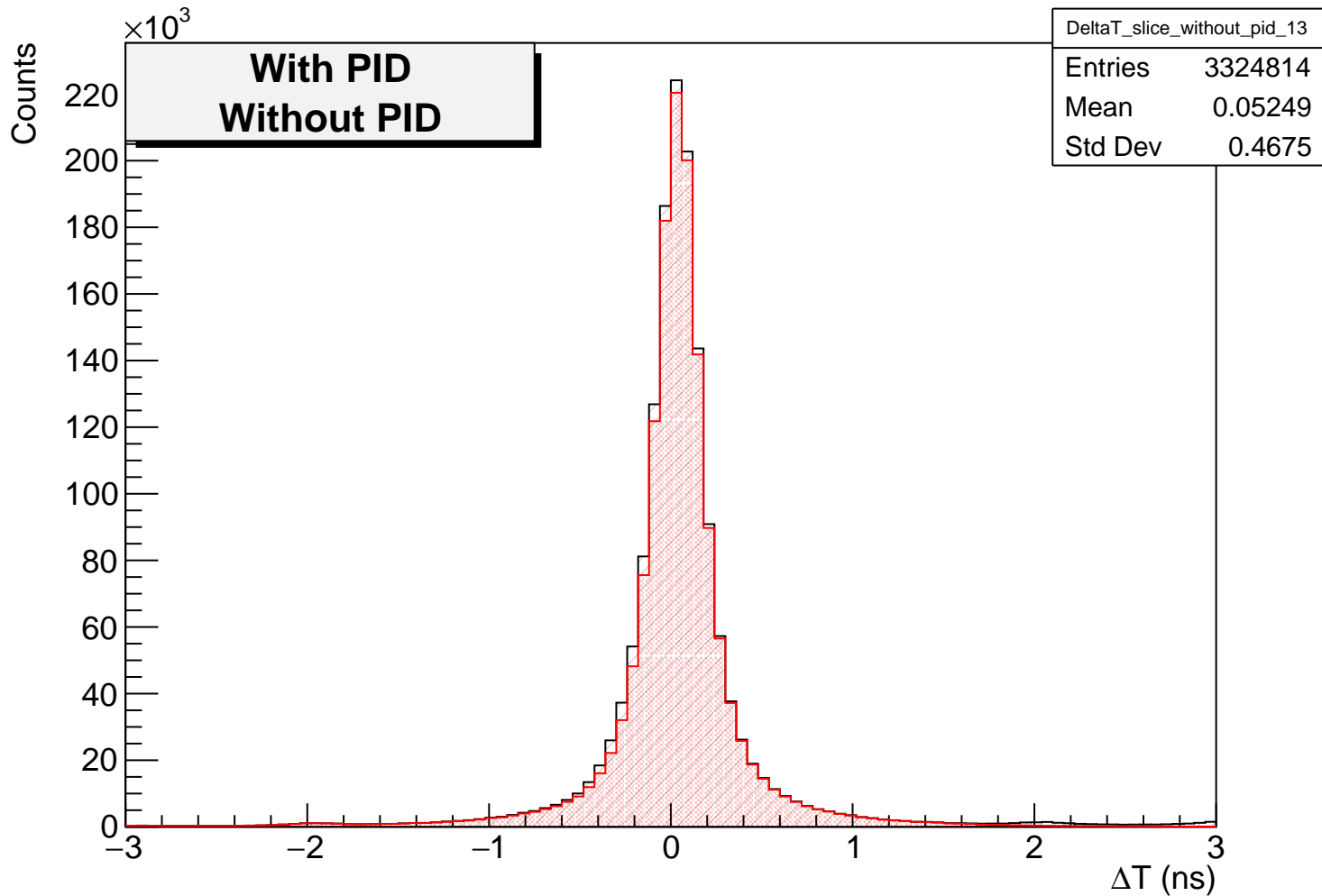
Momentum range [0.75, 0.80] GeV (Without PID)



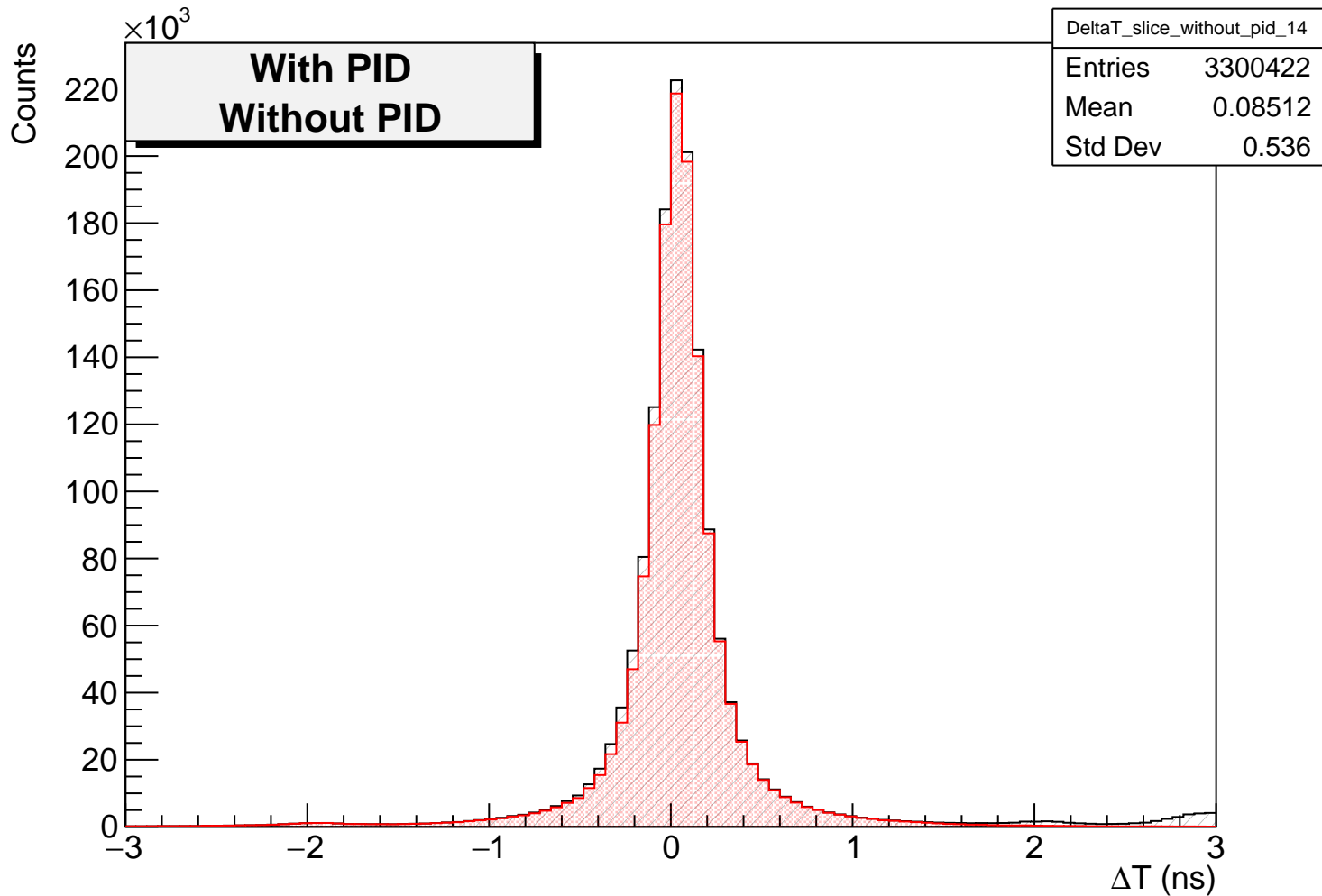
Momentum range [0.80, 0.85] GeV (Without PID)



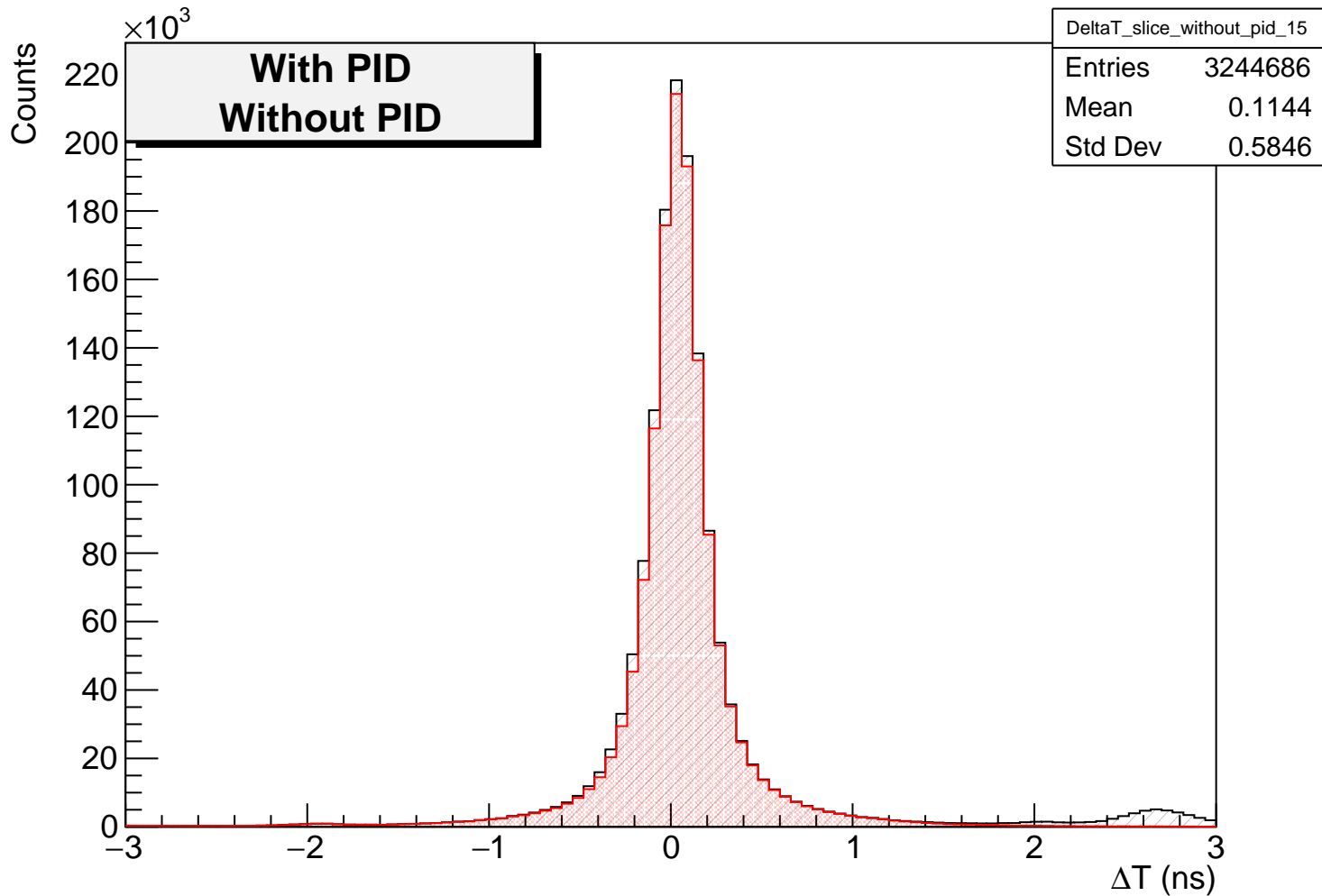
Momentum range [0.85, 0.90] GeV (Without PID)



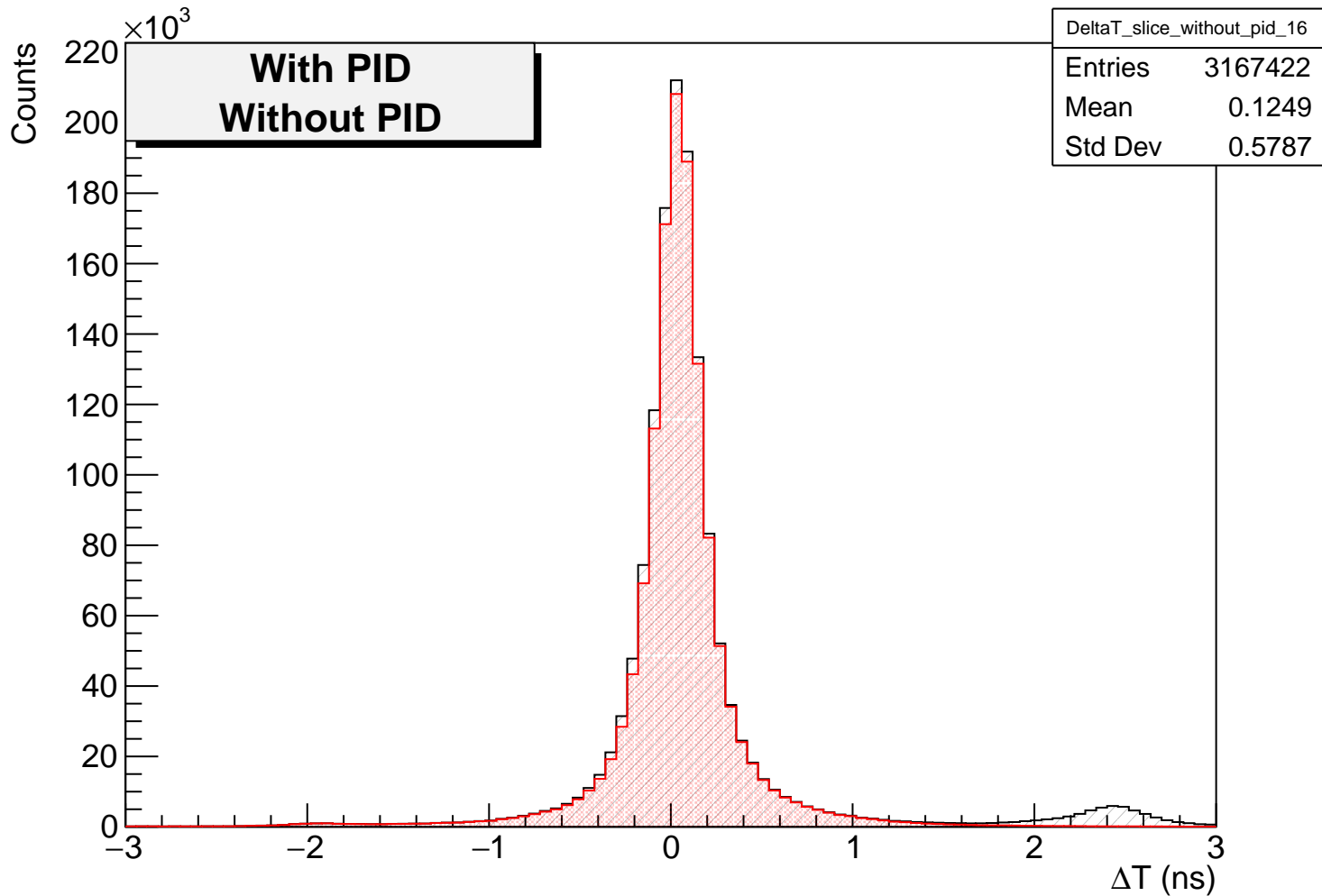
Momentum range [0.90, 0.95] GeV (Without PID)



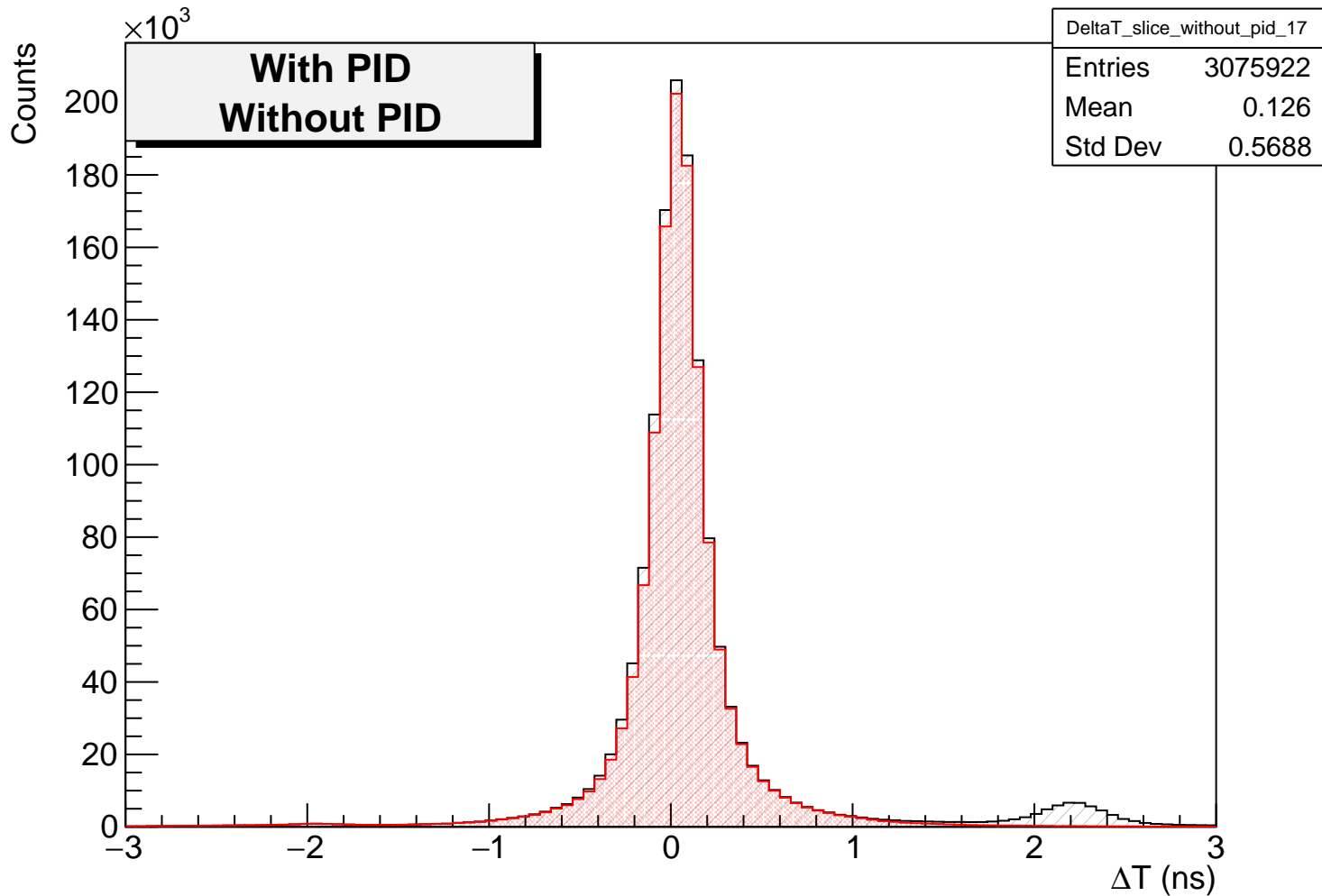
Momentum range [0.95, 1.00] GeV (Without PID)



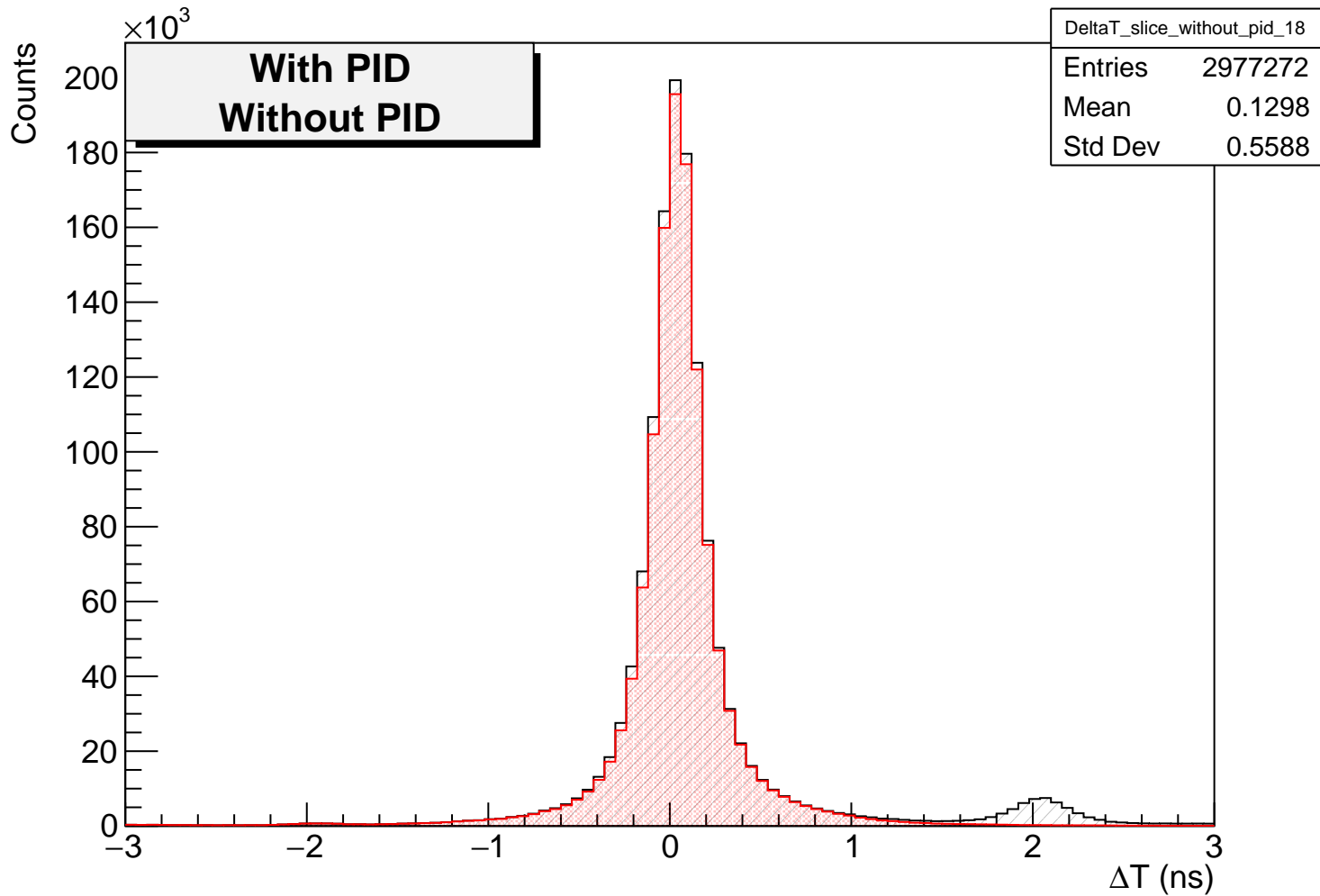
Momentum range [1.00, 1.05] GeV (Without PID)



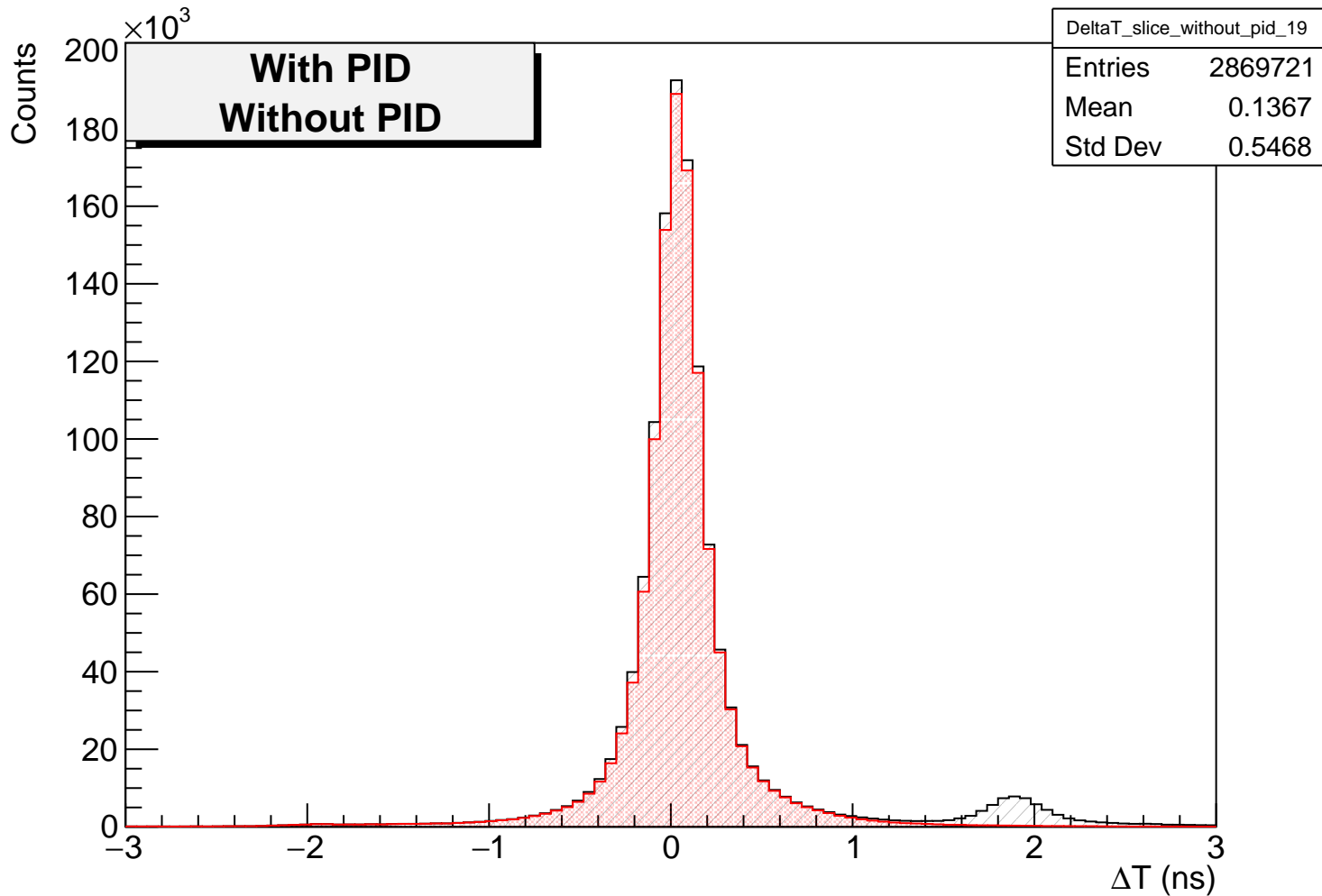
Momentum range [1.05, 1.10] GeV (Without PID)



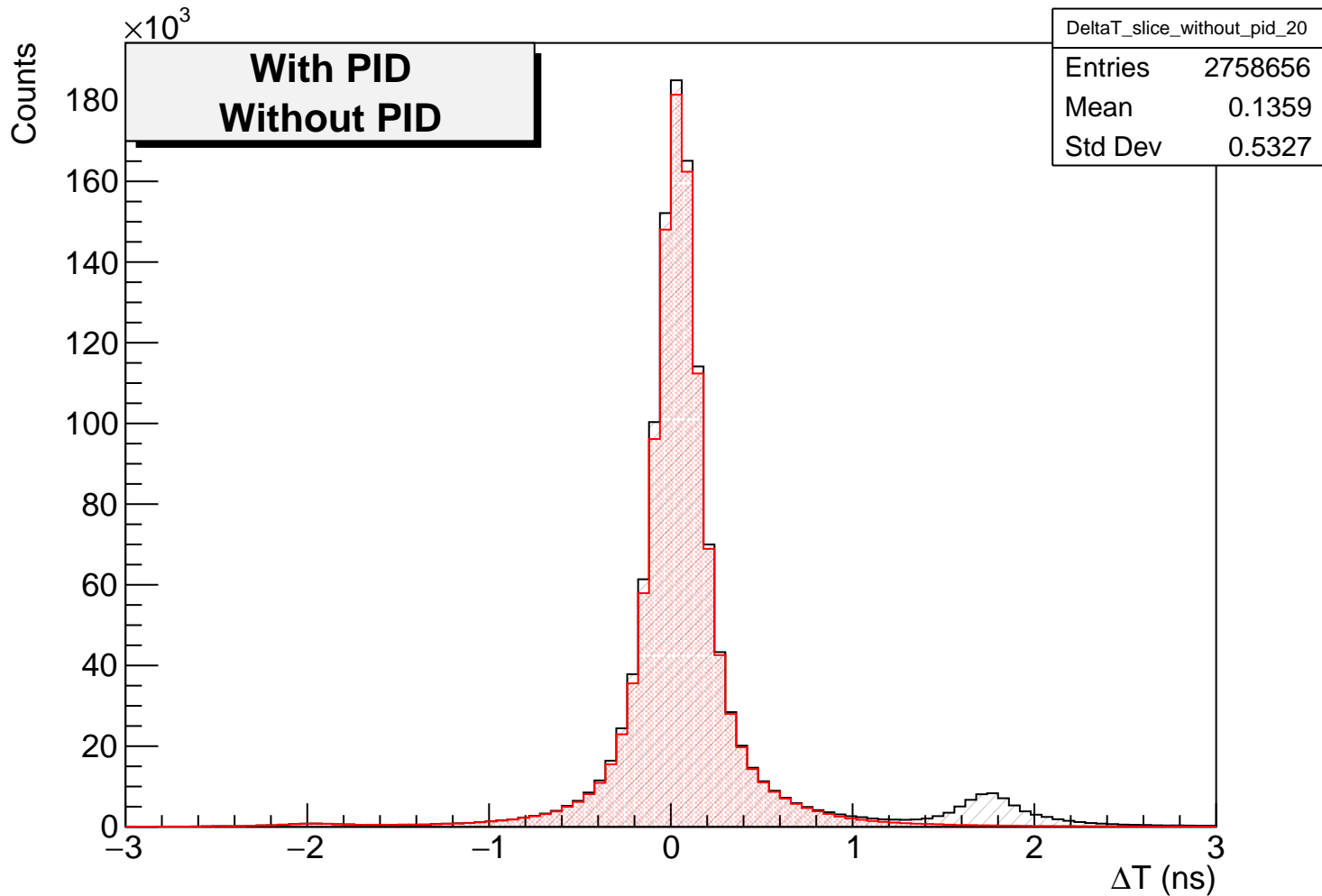
Momentum range [1.10, 1.15] GeV (Without PID)



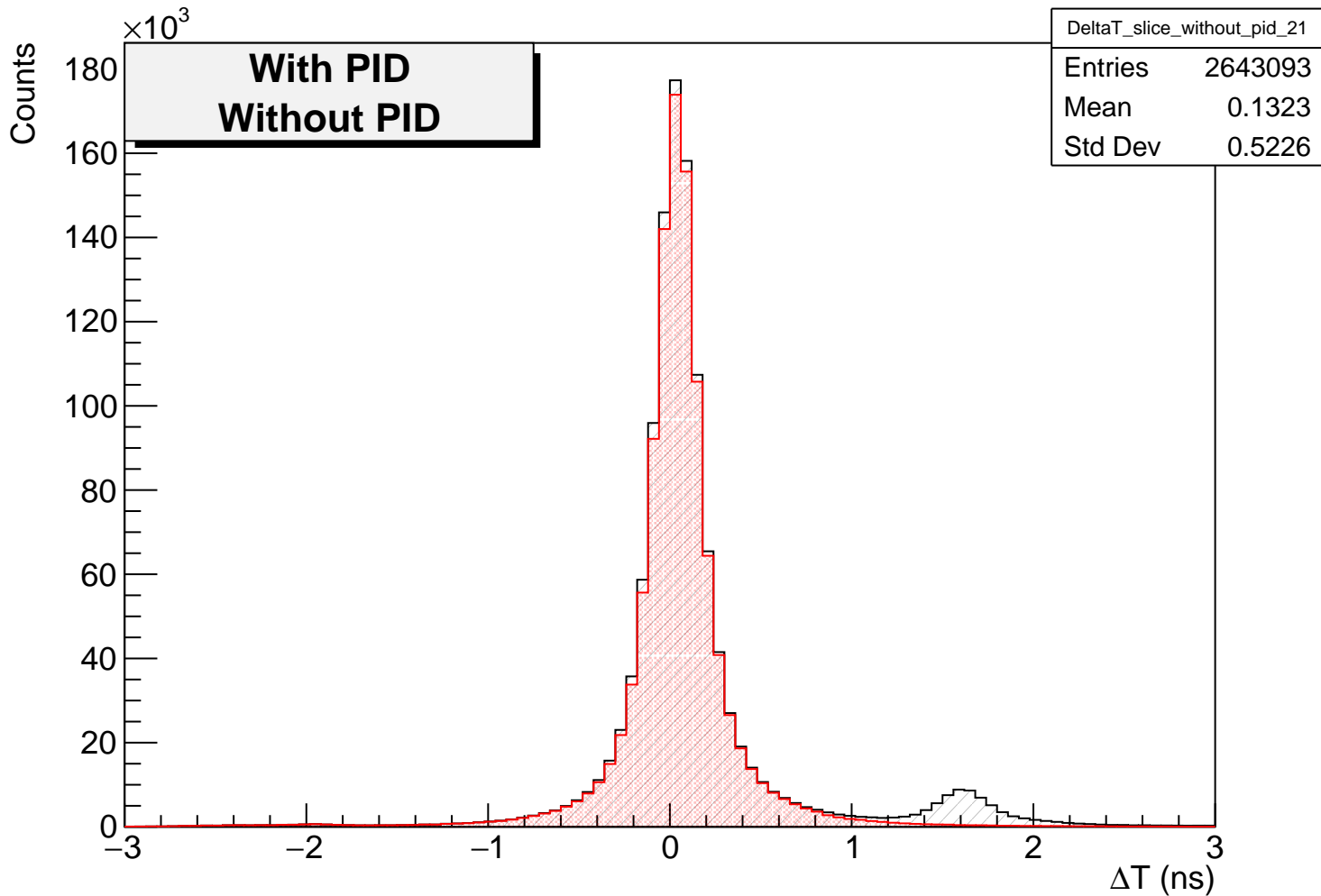
Momentum range [1.15, 1.20] GeV (Without PID)



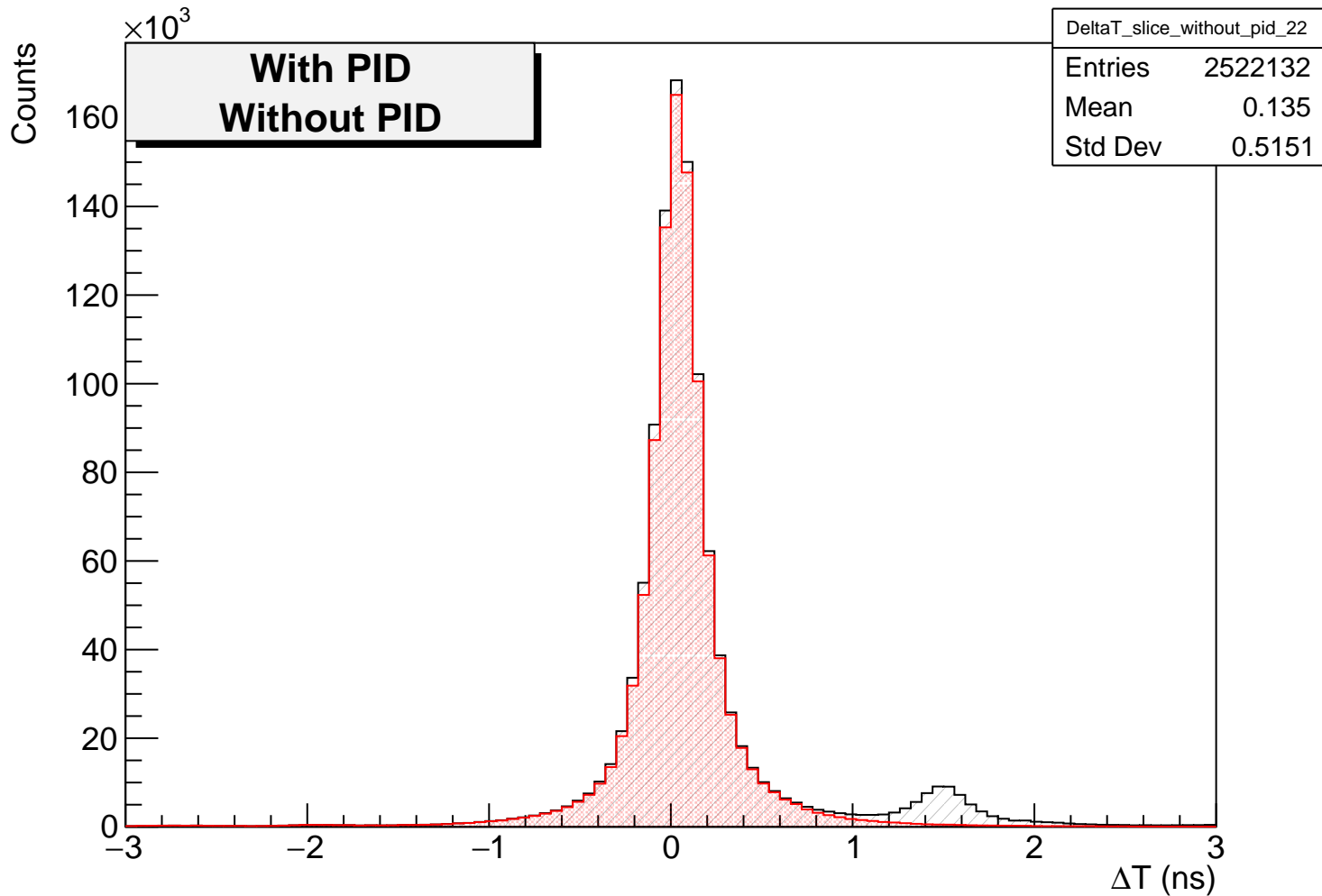
Momentum range [1.20, 1.25] GeV (Without PID)



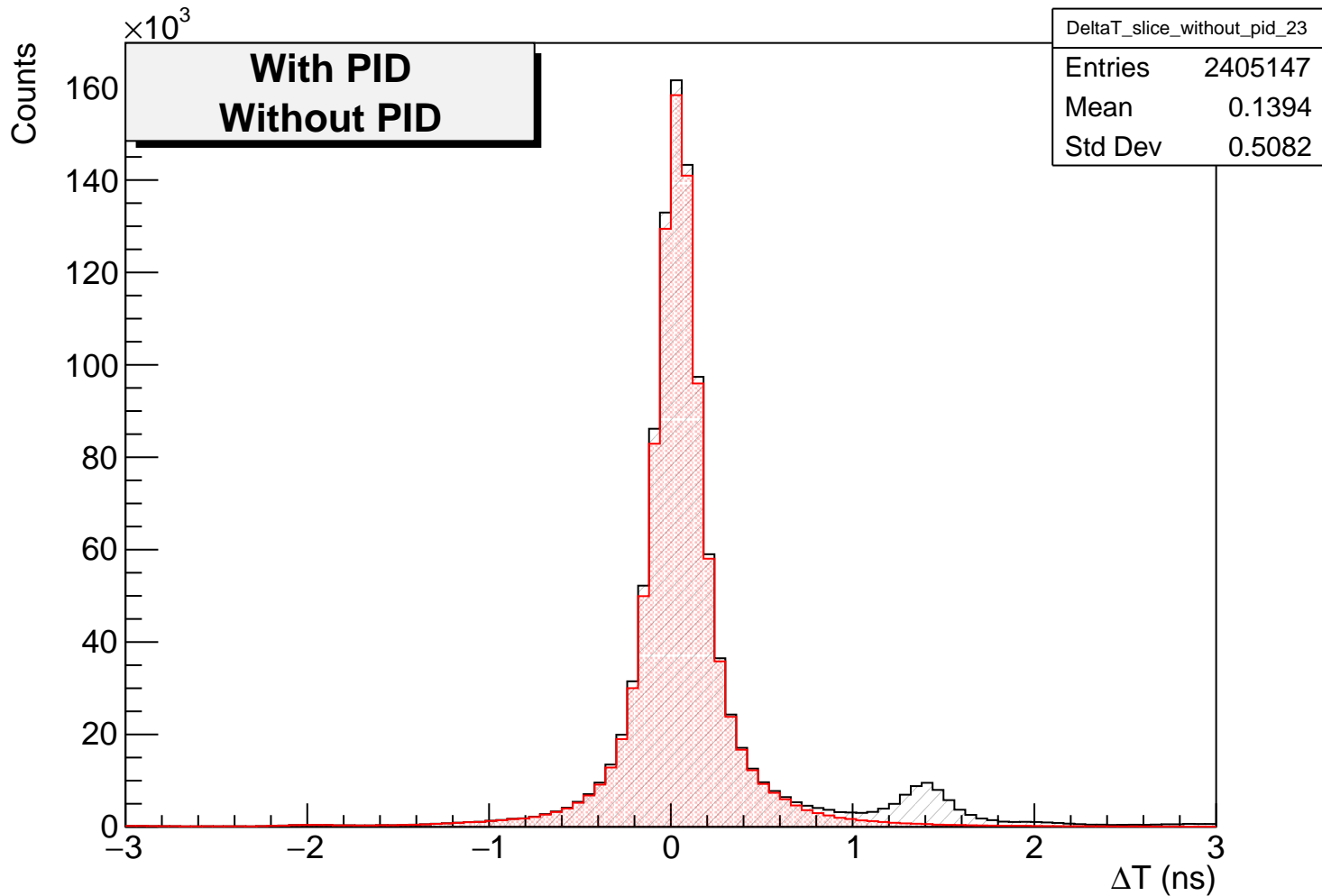
Momentum range [1.25, 1.30] GeV (Without PID)



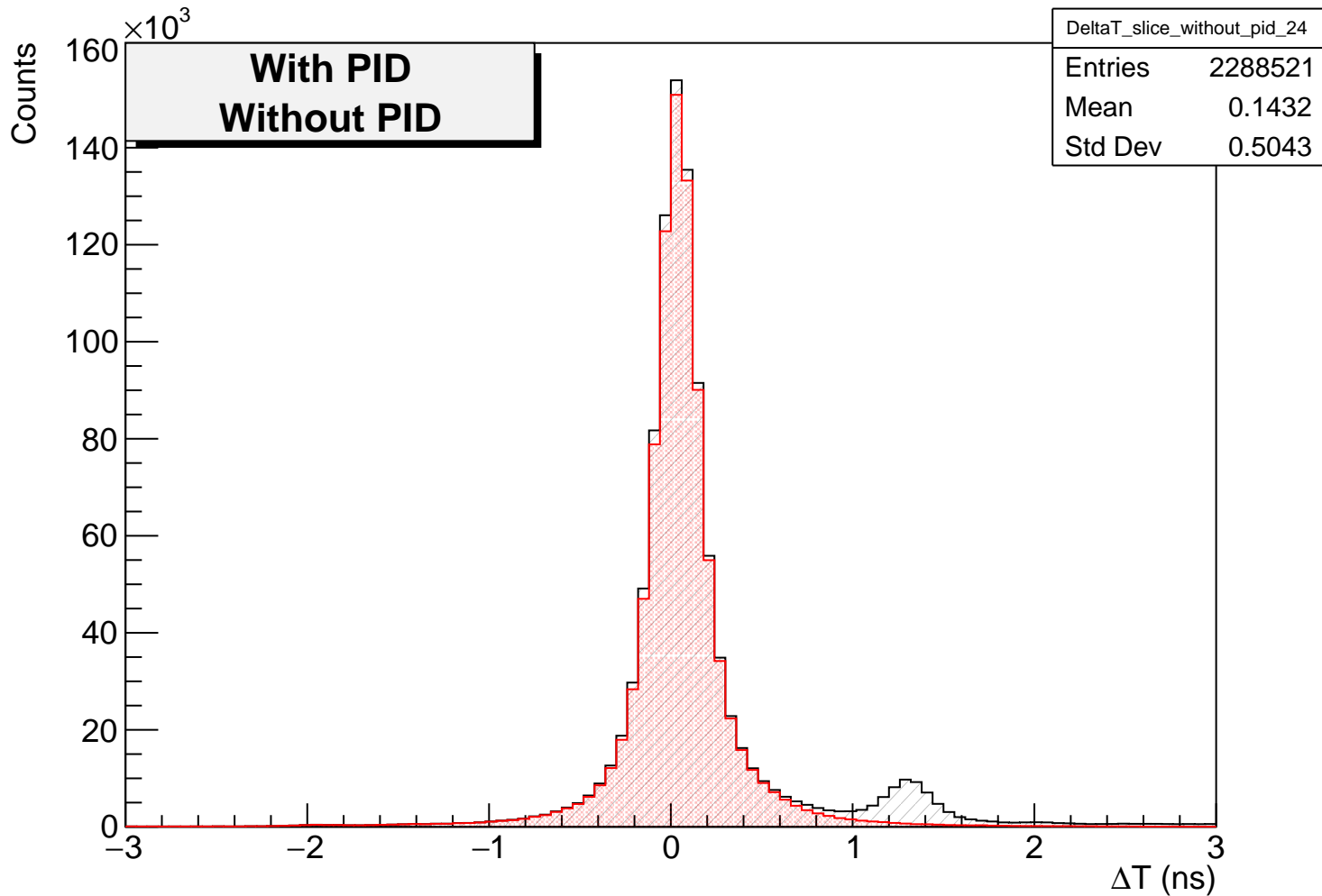
Momentum range [1.30, 1.35] GeV (Without PID)



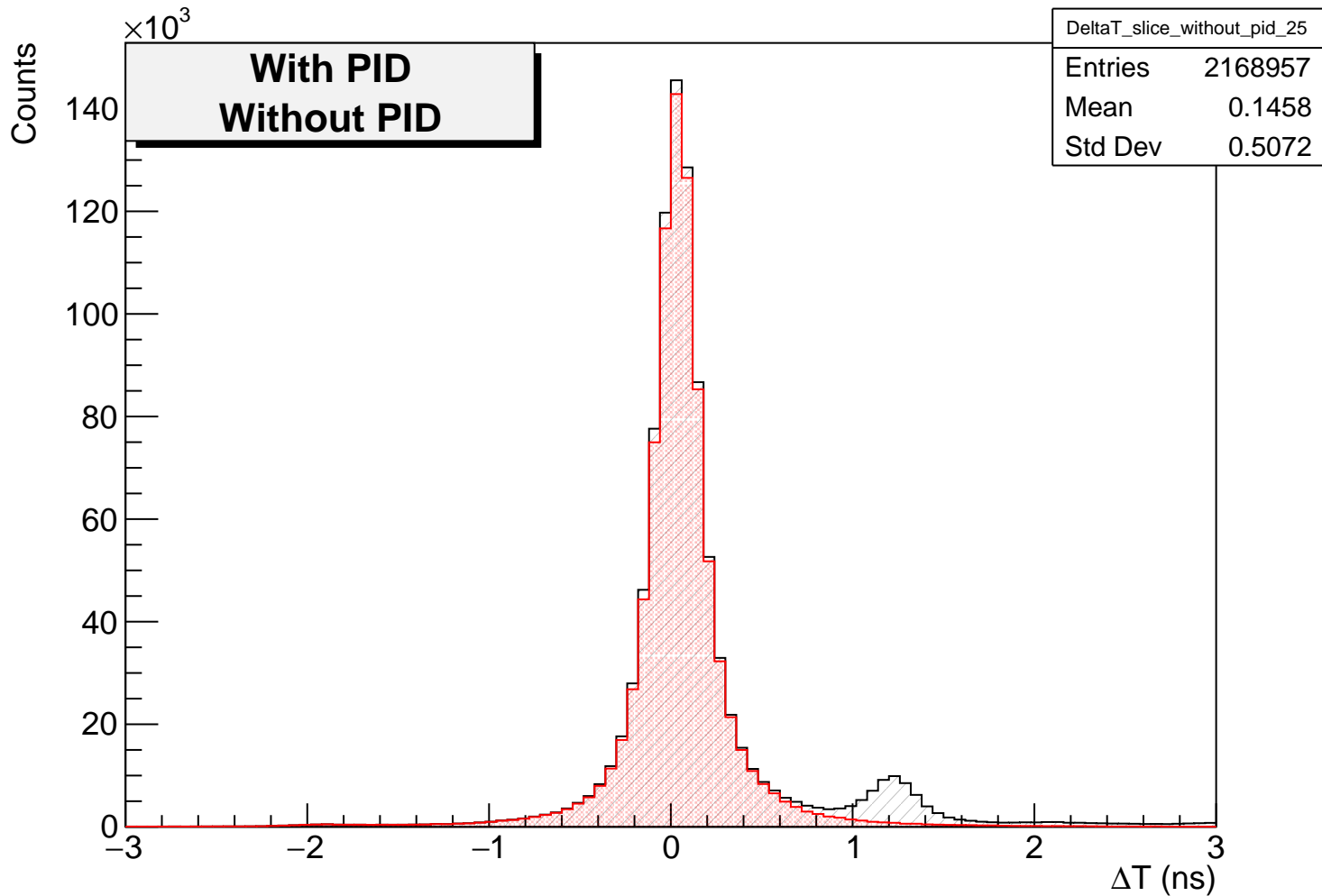
Momentum range [1.35, 1.40] GeV (Without PID)



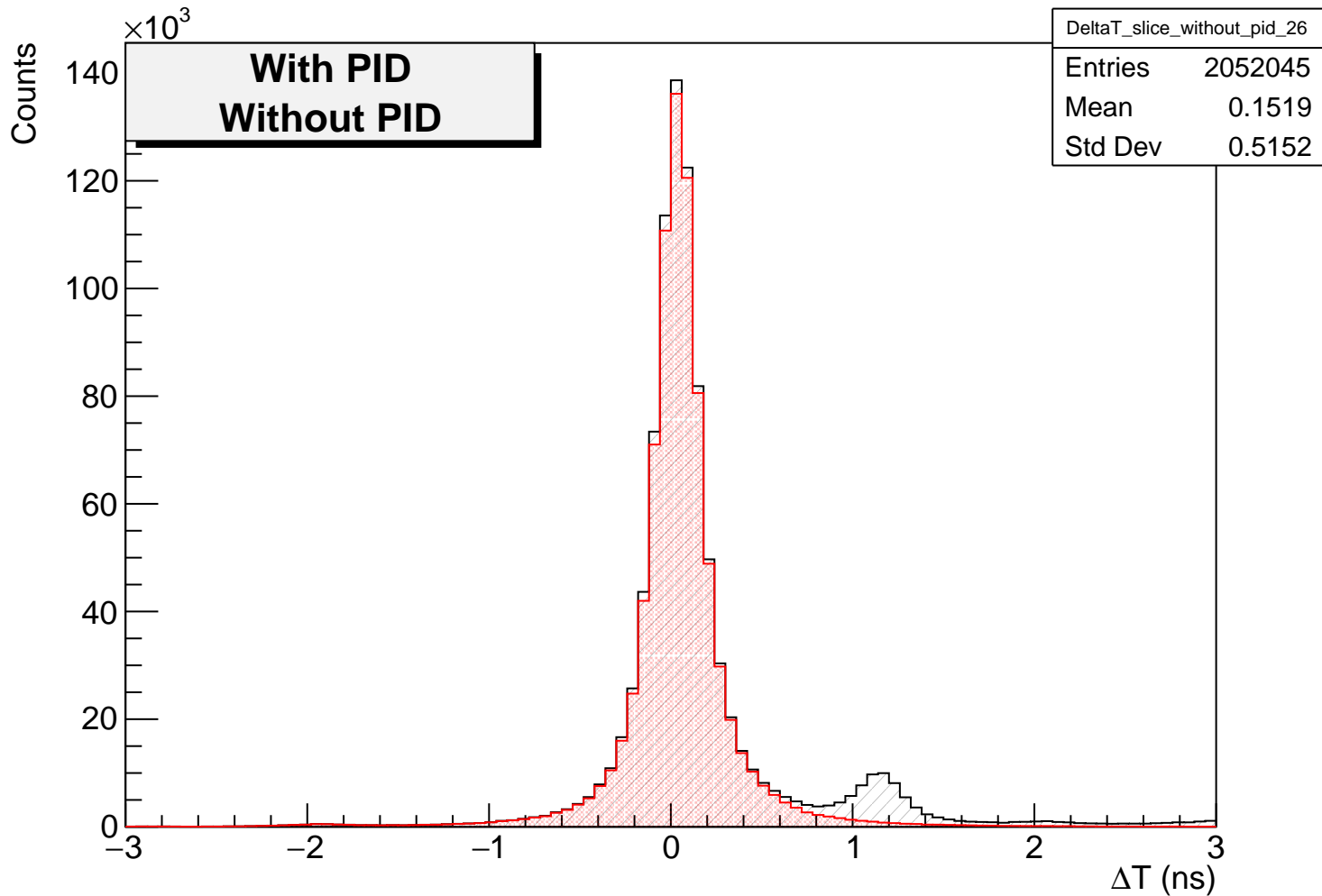
Momentum range [1.40, 1.45] GeV (Without PID)



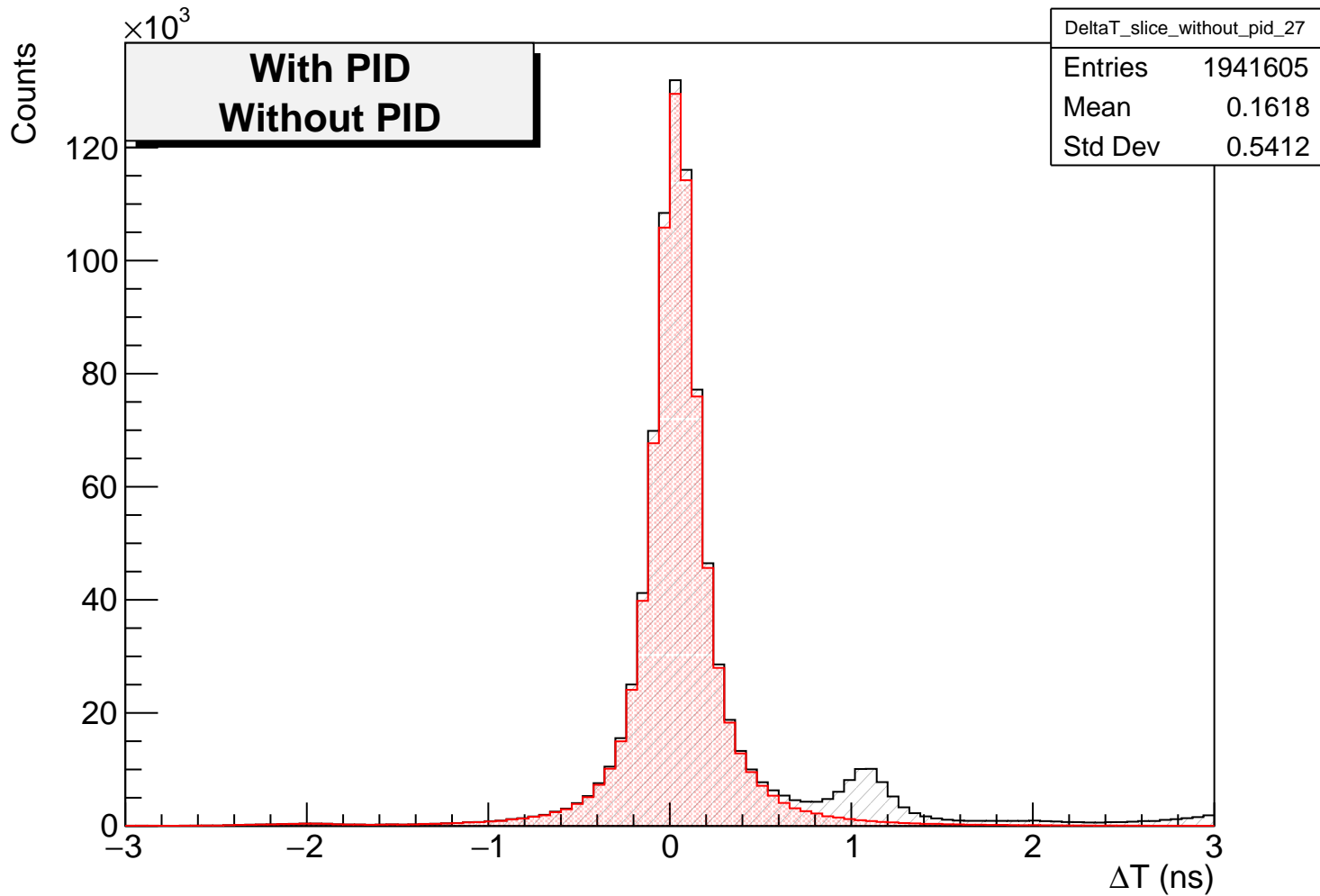
Momentum range [1.45, 1.50] GeV (Without PID)



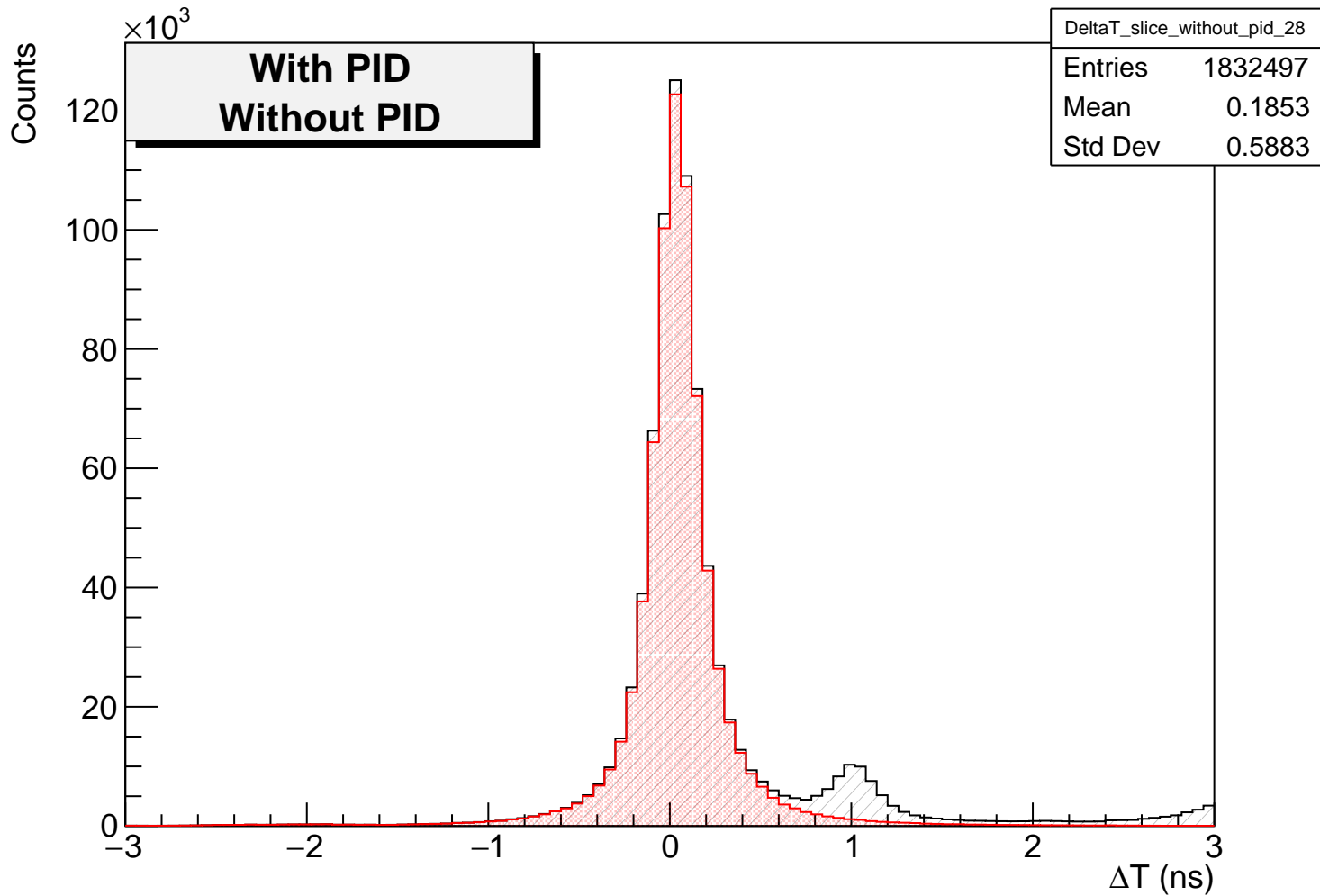
Momentum range [1.50, 1.55] GeV (Without PID)



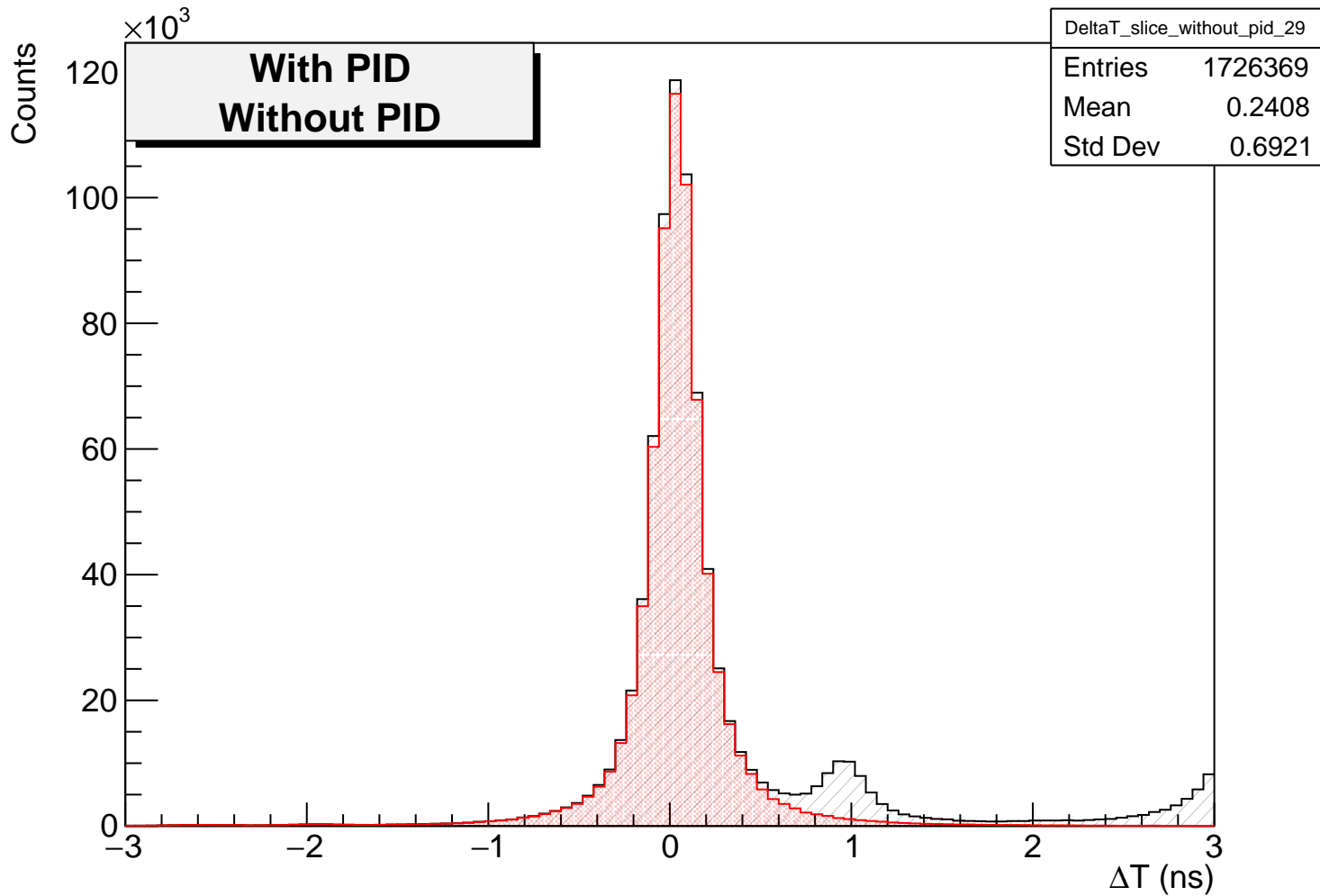
Momentum range [1.55, 1.60] GeV (Without PID)



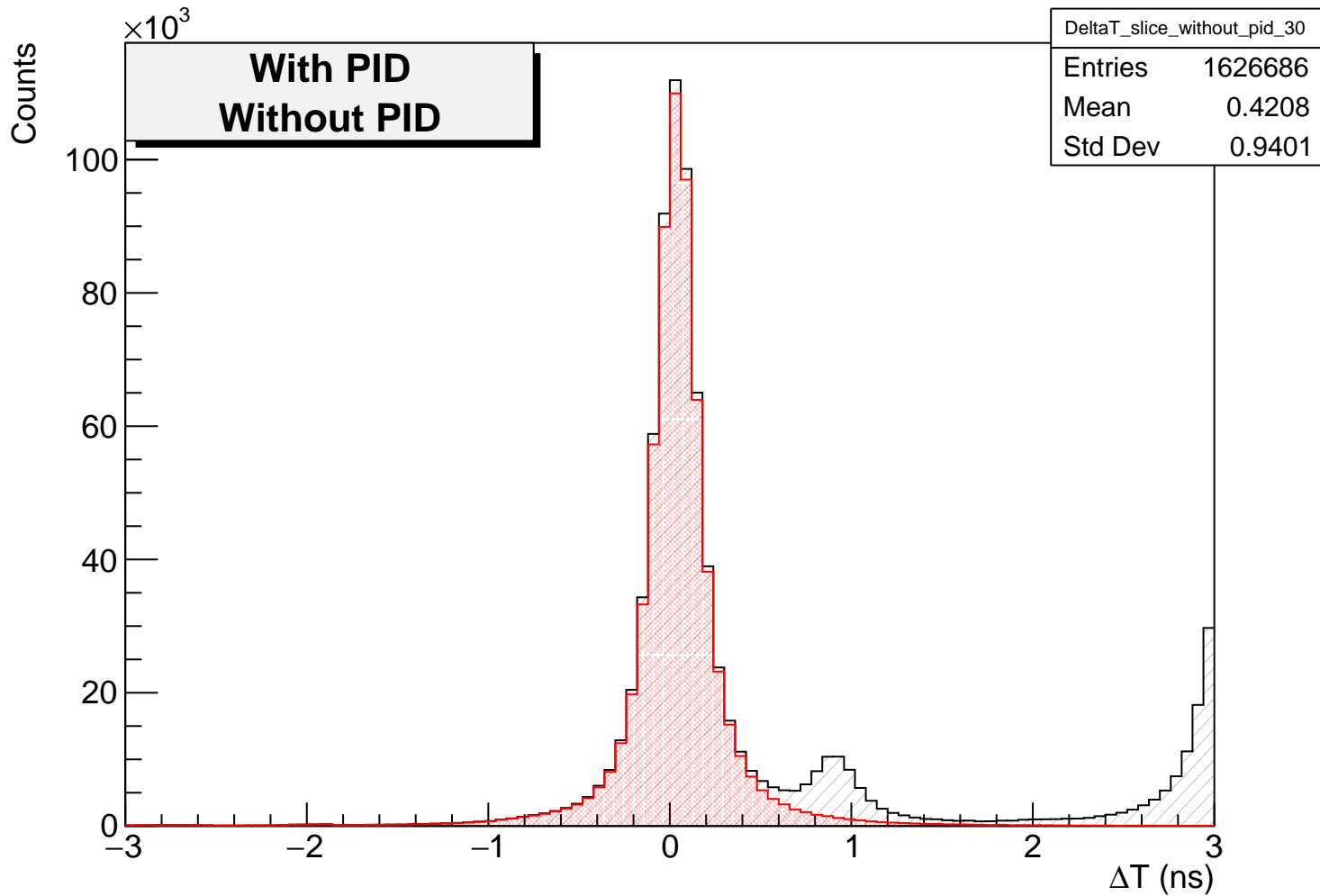
Momentum range [1.60, 1.65] GeV (Without PID)



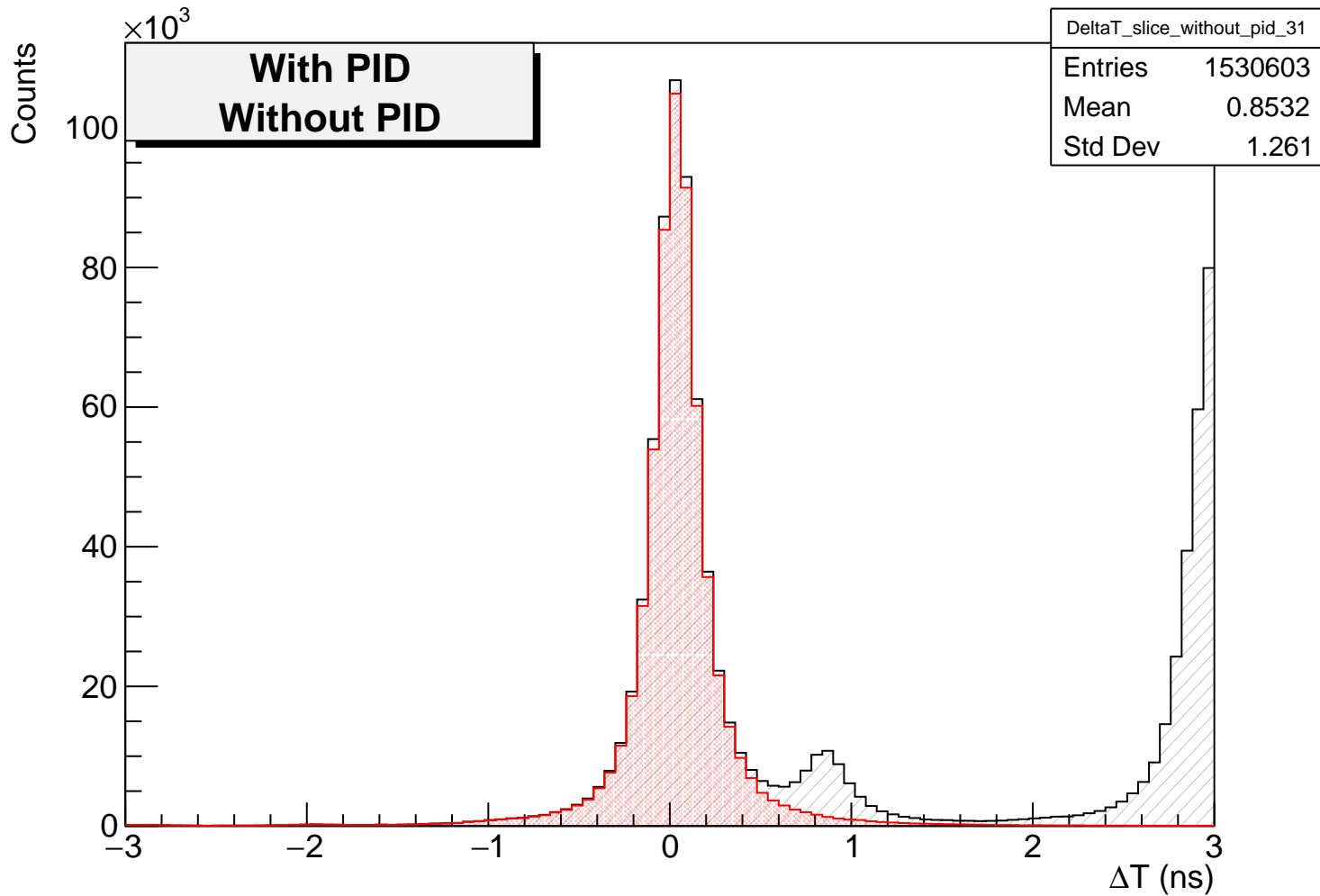
Momentum range [1.65, 1.70] GeV (Without PID)



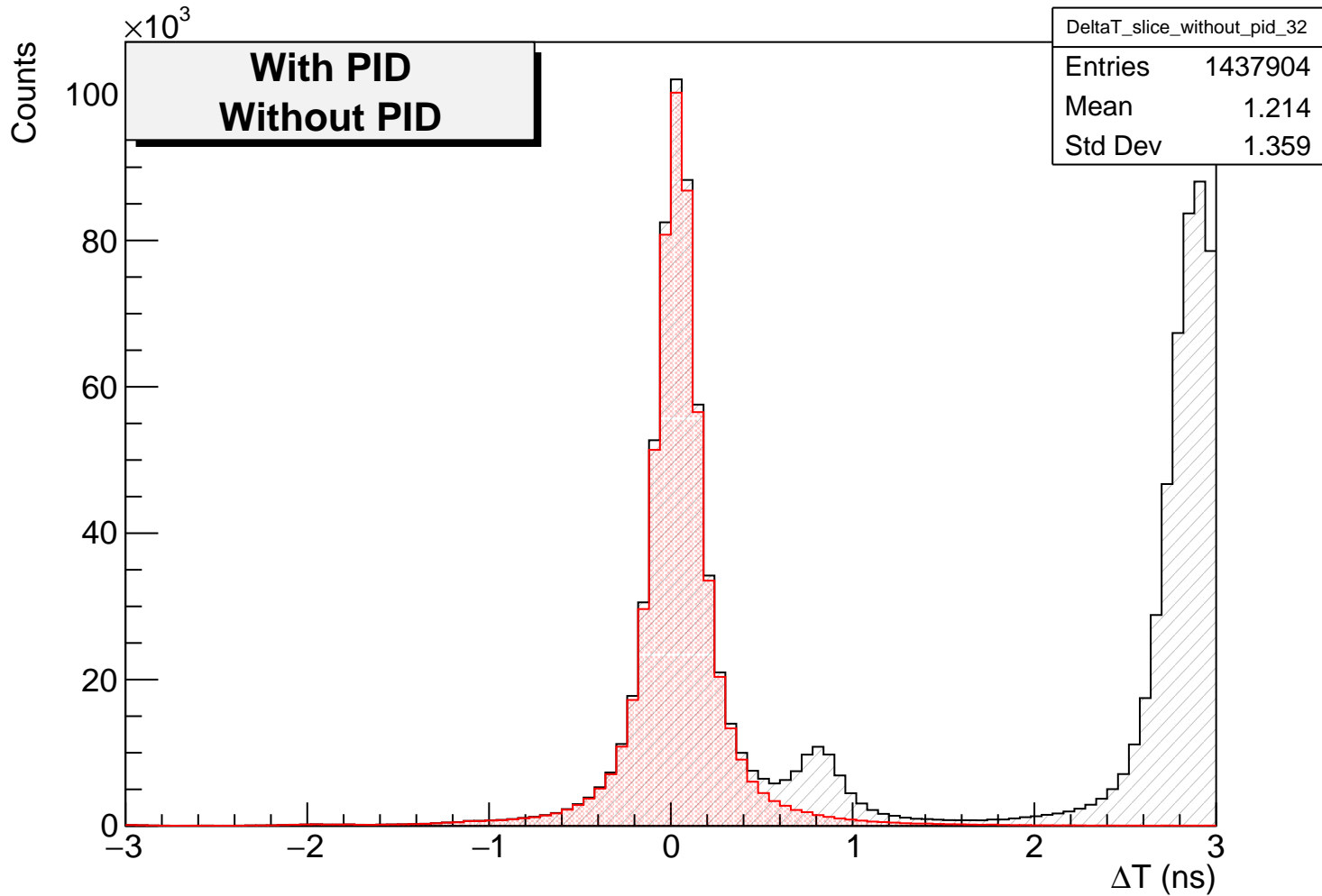
Momentum range [1.70, 1.75] GeV (Without PID)



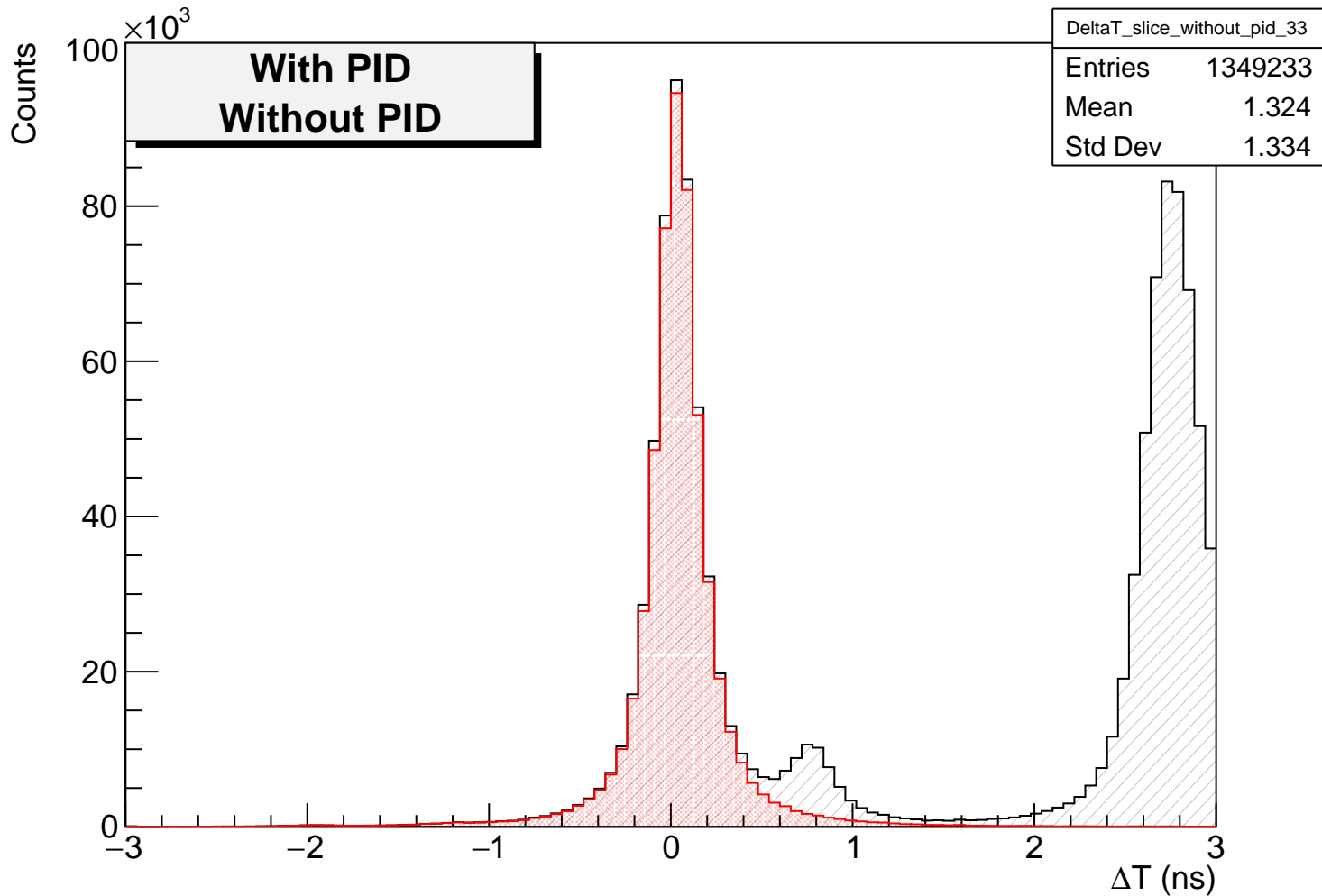
Momentum range [1.75, 1.80] GeV (Without PID)



Momentum range [1.80, 1.85] GeV (Without PID)



Momentum range [1.85, 1.90] GeV (Without PID)

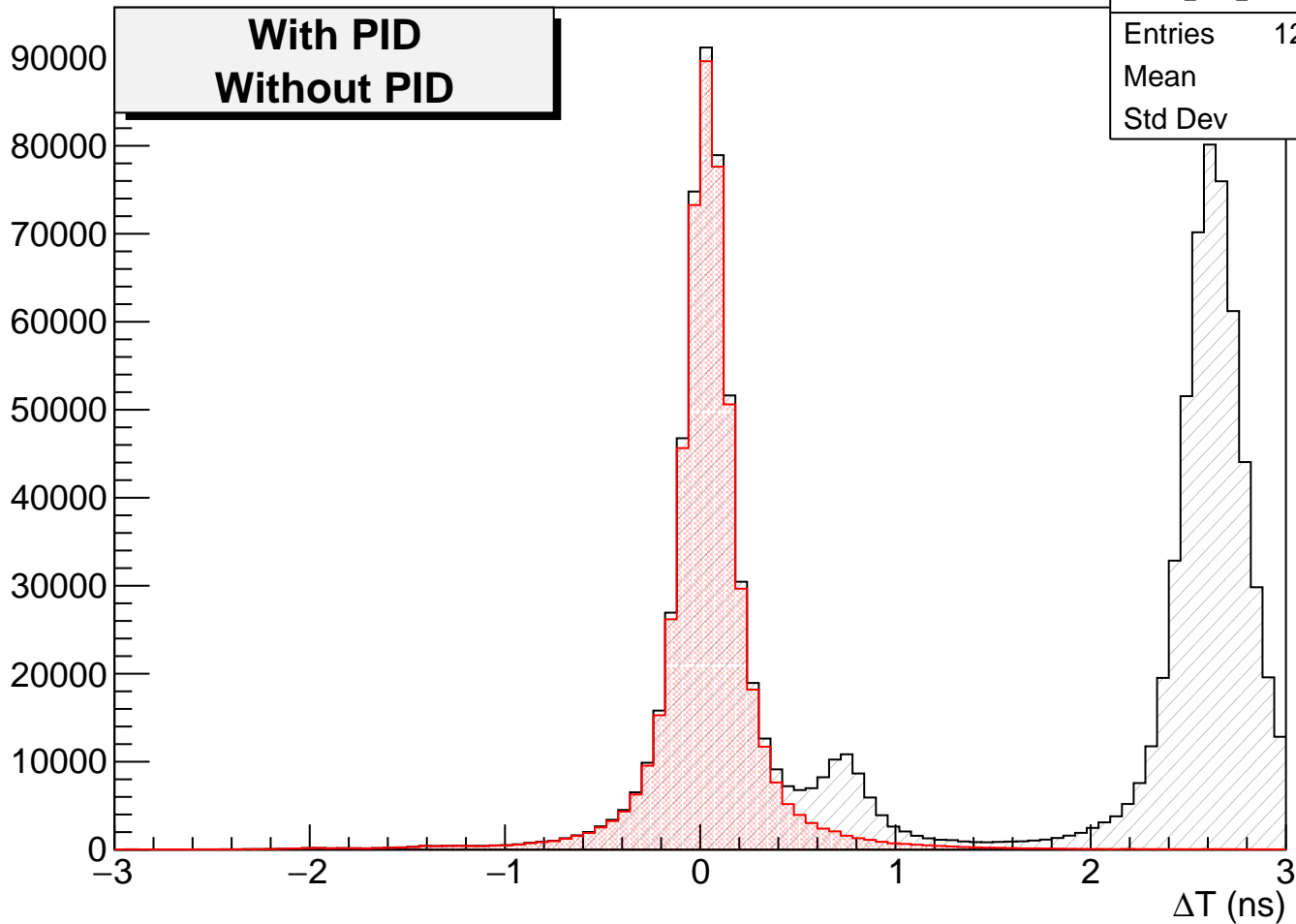


Momentum range [1.90, 1.95] GeV (Without PID)

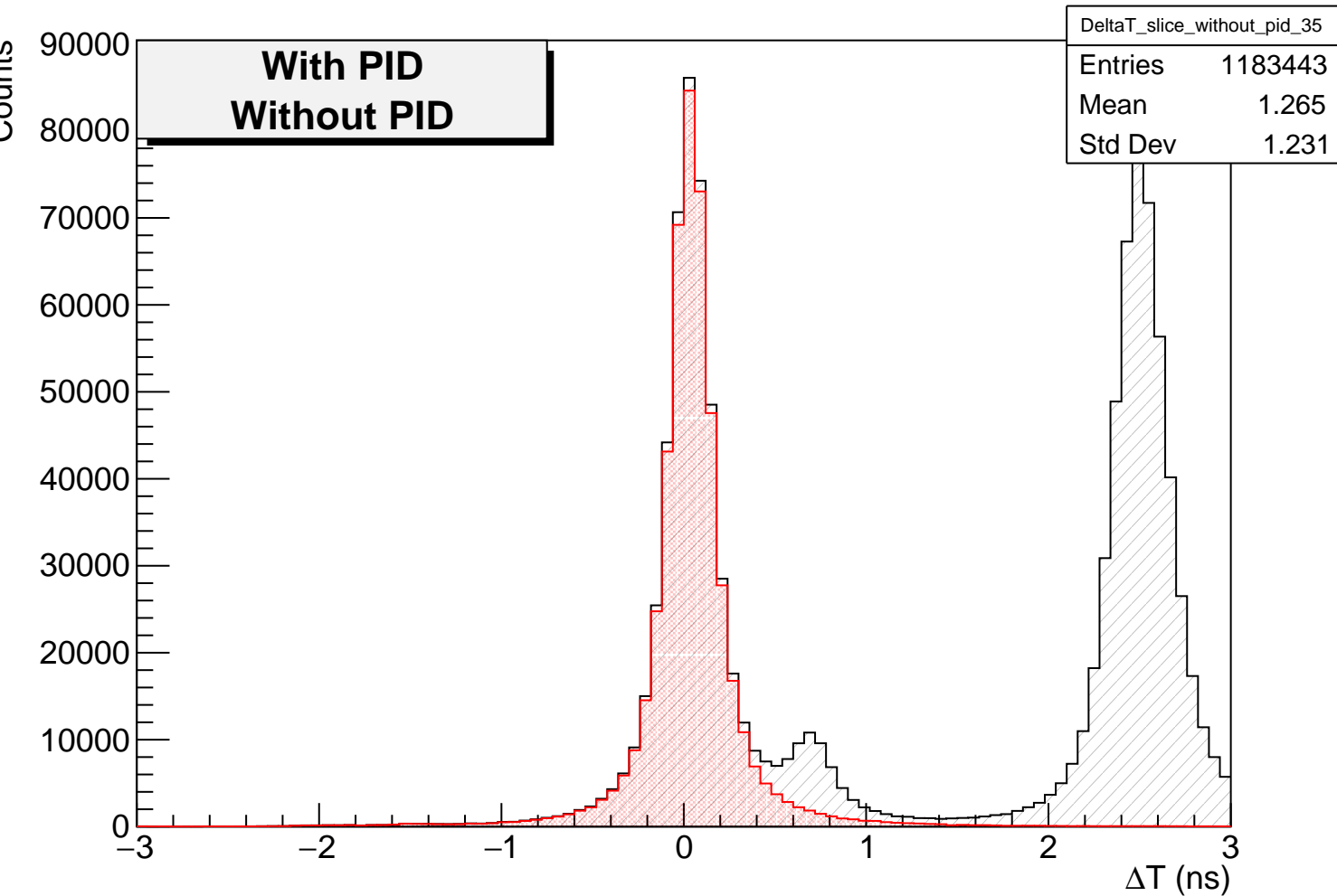
Counts

With PID
Without PID

DeltaT_slice_without_pid_34	
Entries	1263485
Mean	1.308
Std Dev	1.284

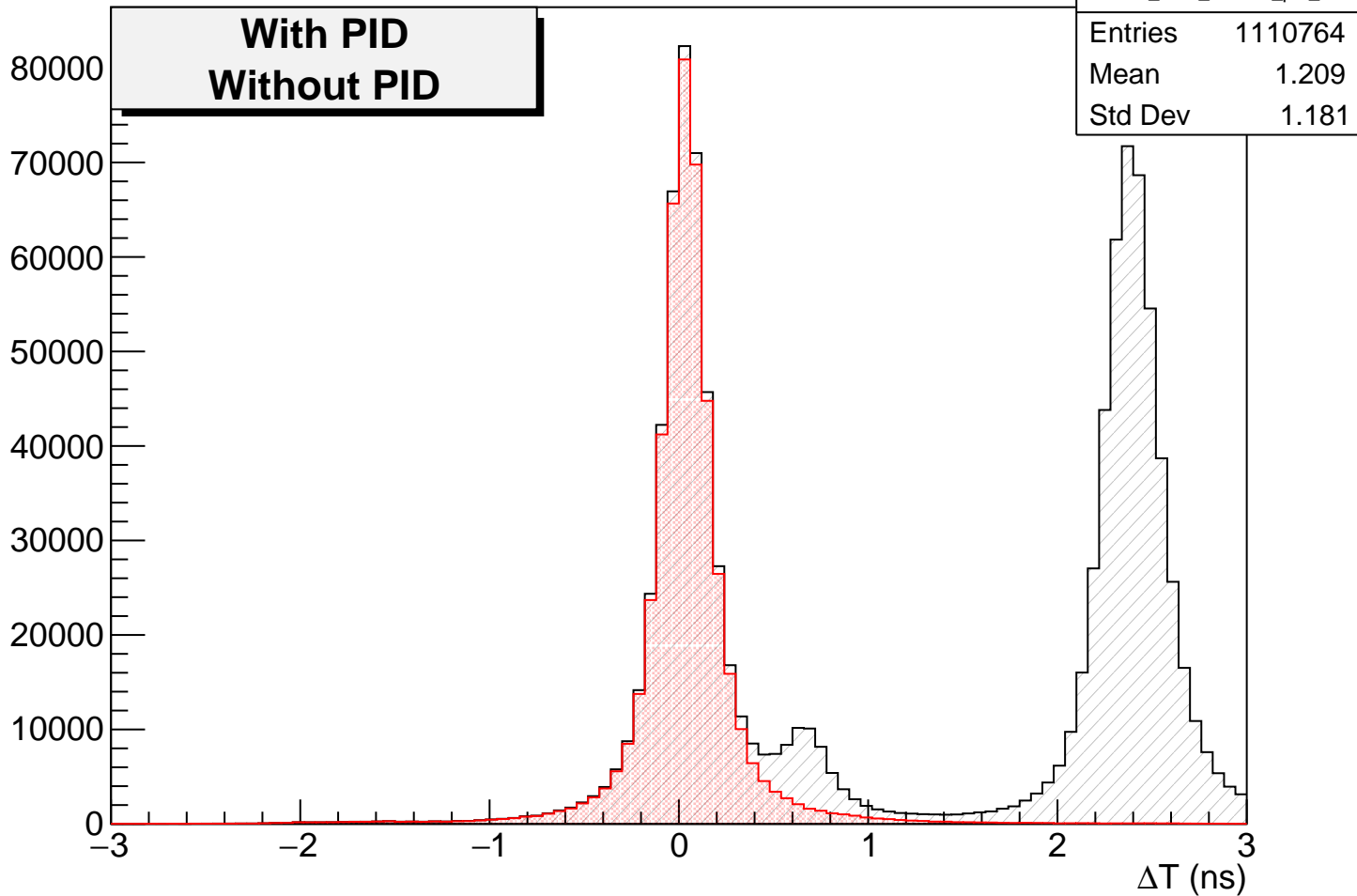


Momentum range [1.95, 2.00] GeV (Without PID)



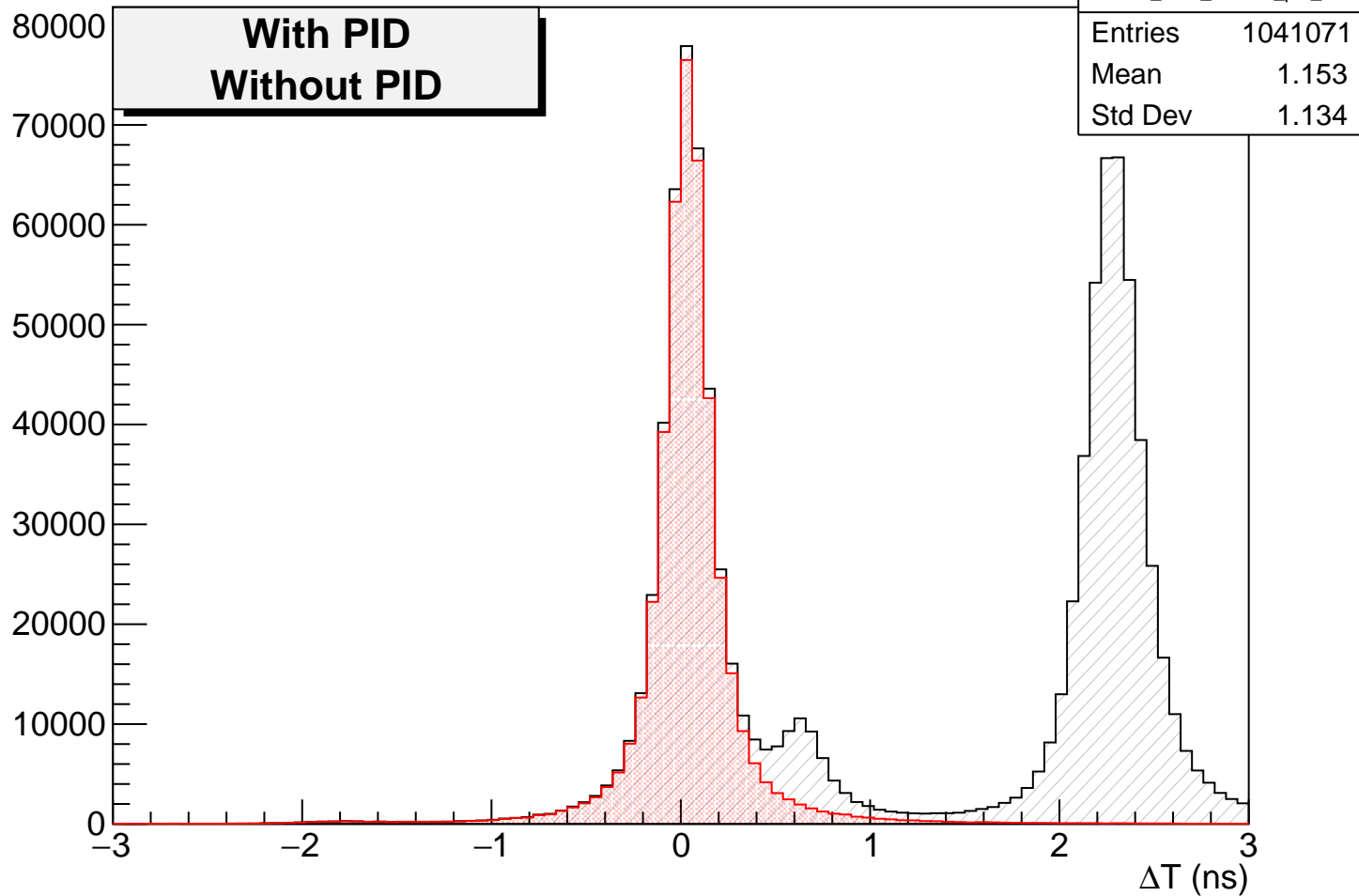
Momentum range [2.00, 2.05] GeV (Without PID)

Counts



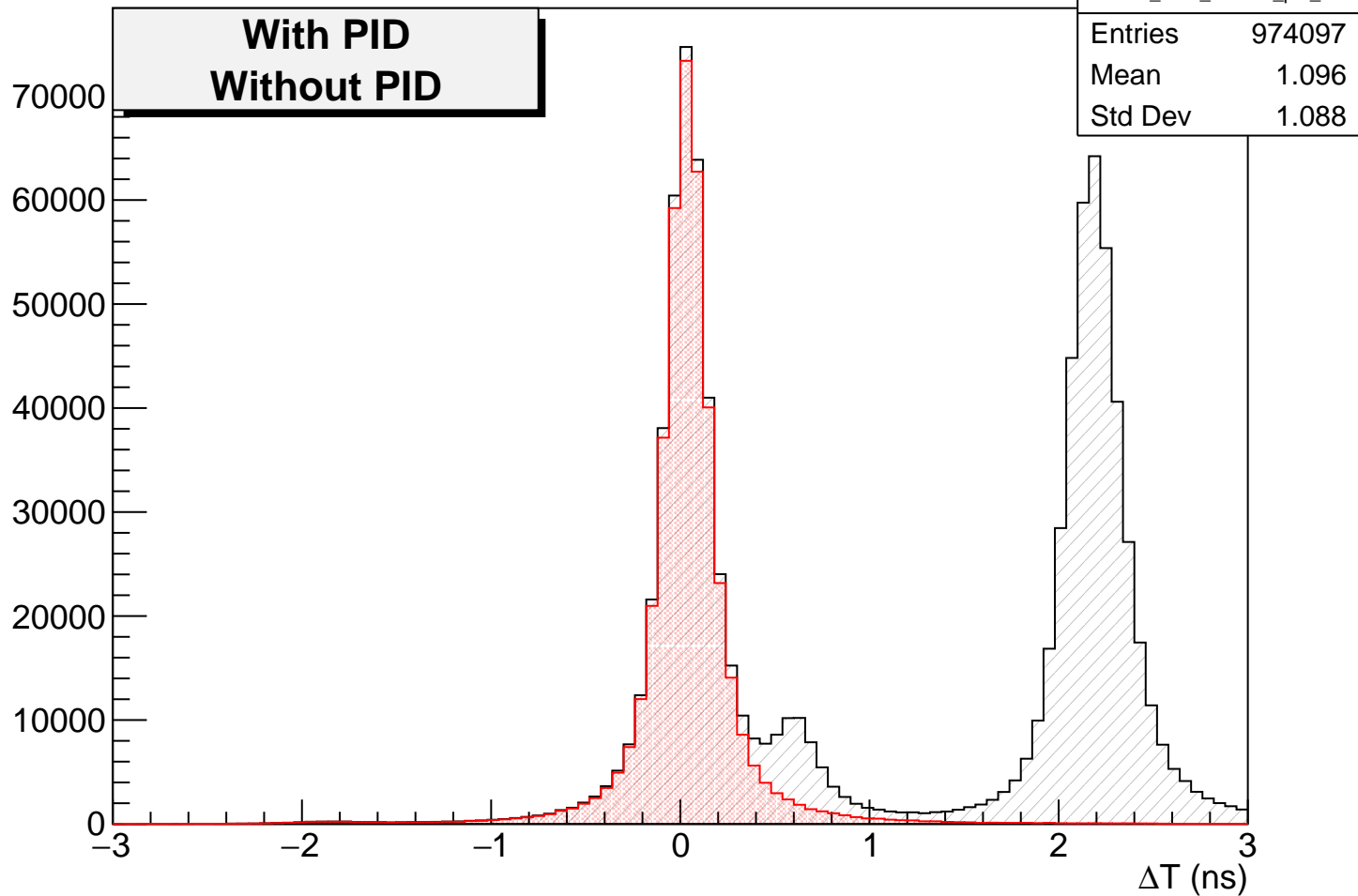
Momentum range [2.05, 2.10] GeV (Without PID)

Counts



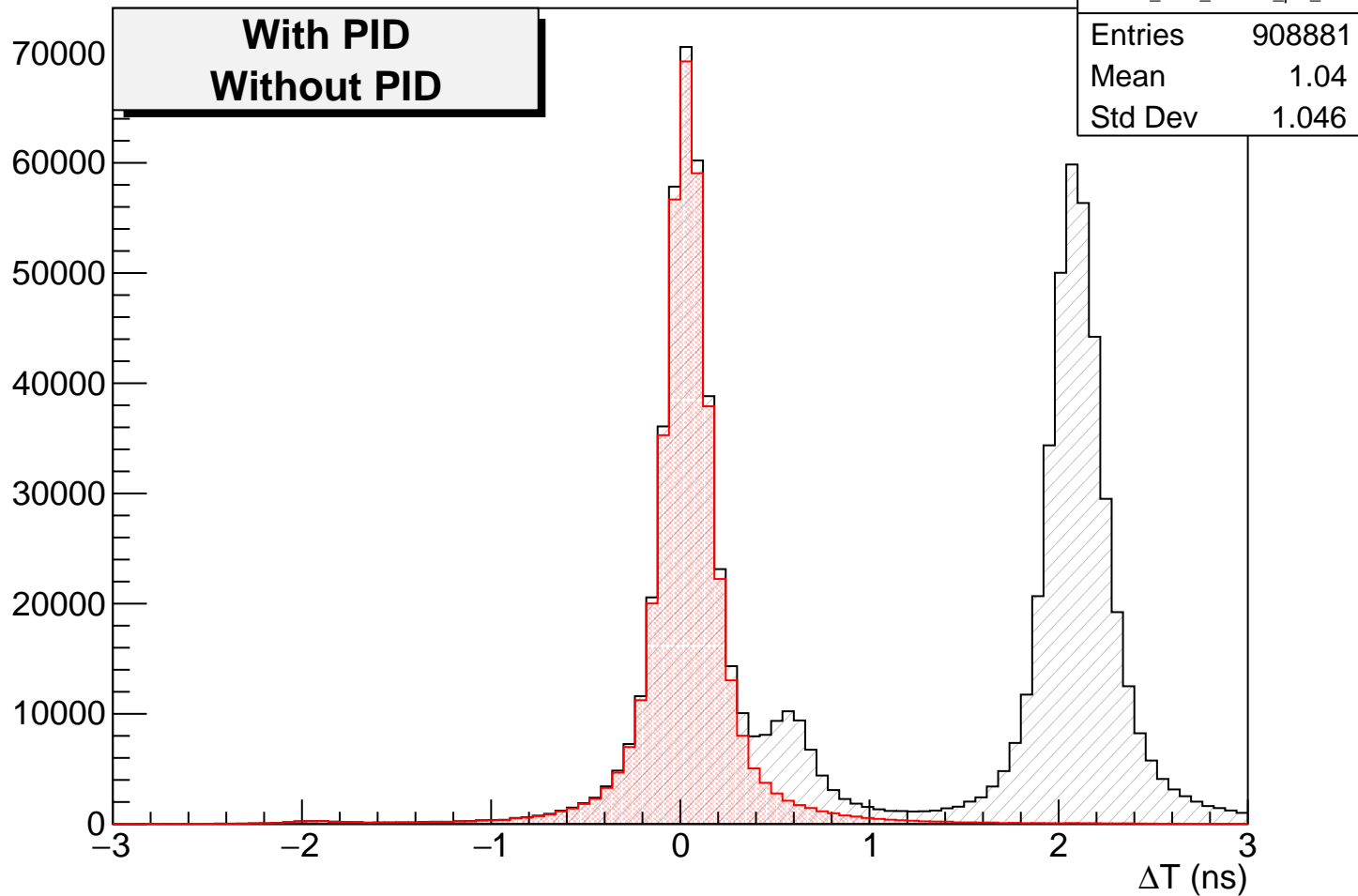
Momentum range [2.10, 2.15] GeV (Without PID)

Counts

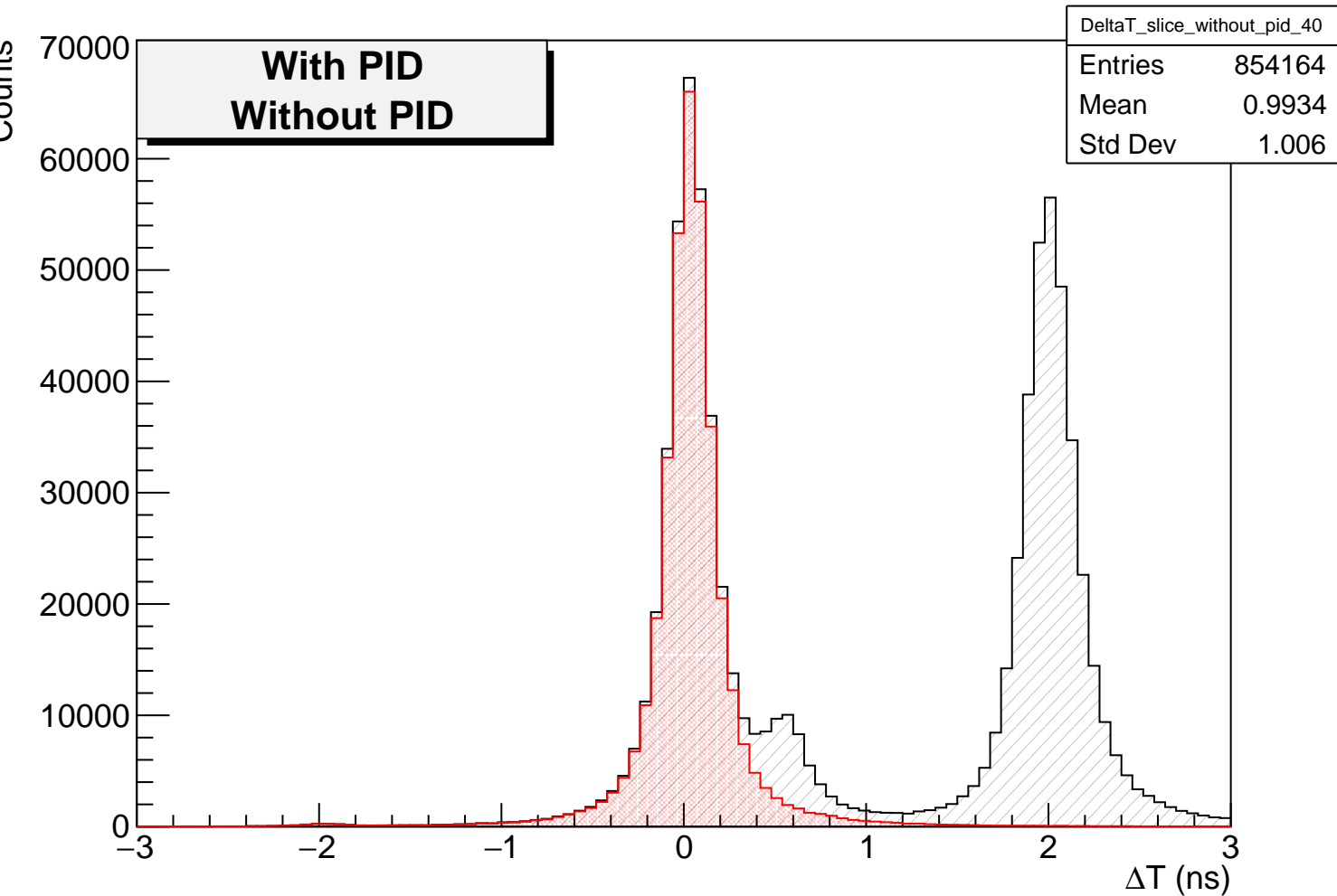


Momentum range [2.15, 2.20] GeV (Without PID)

Counts

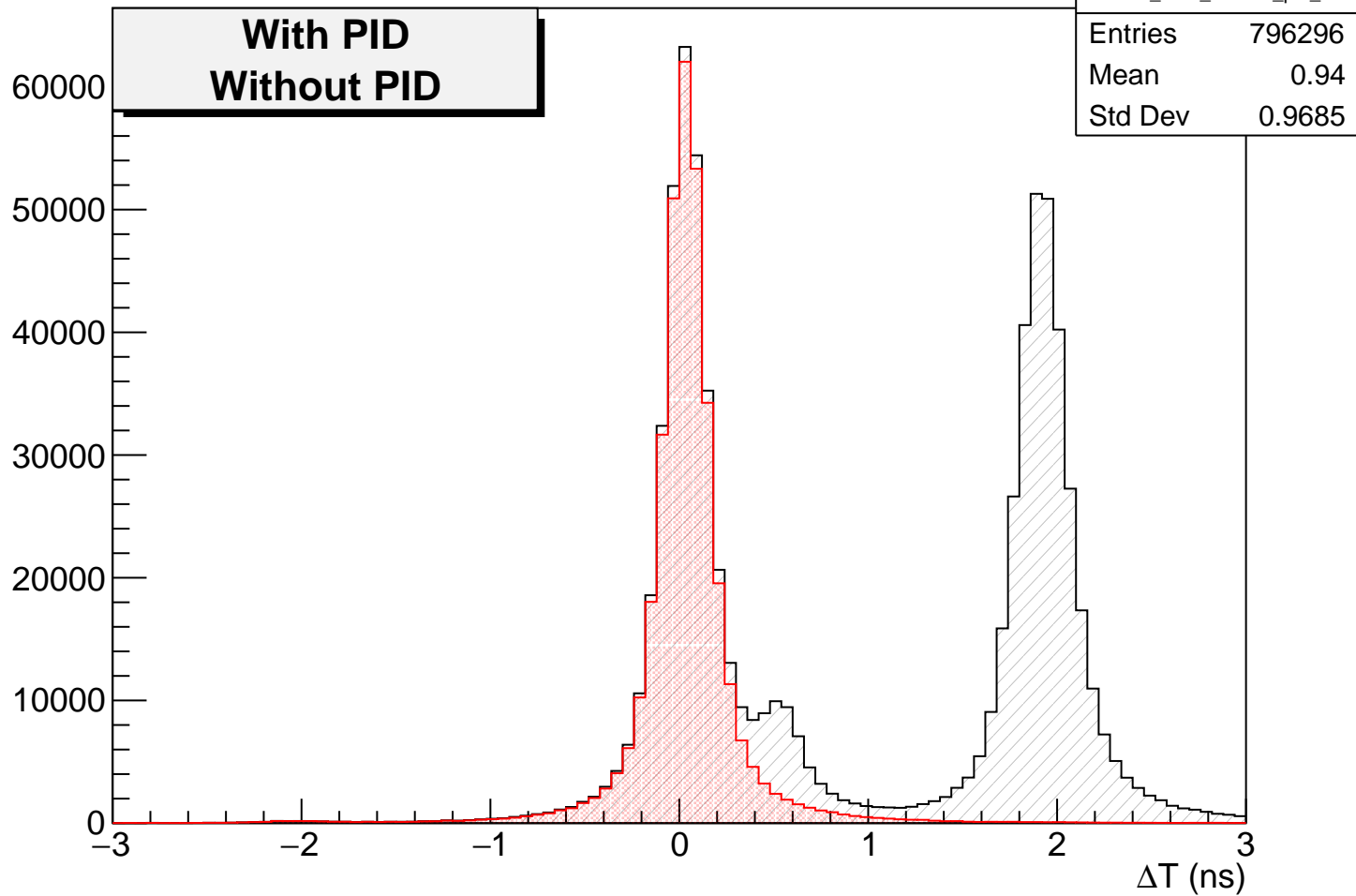


Momentum range [2.20, 2.25] GeV (Without PID)



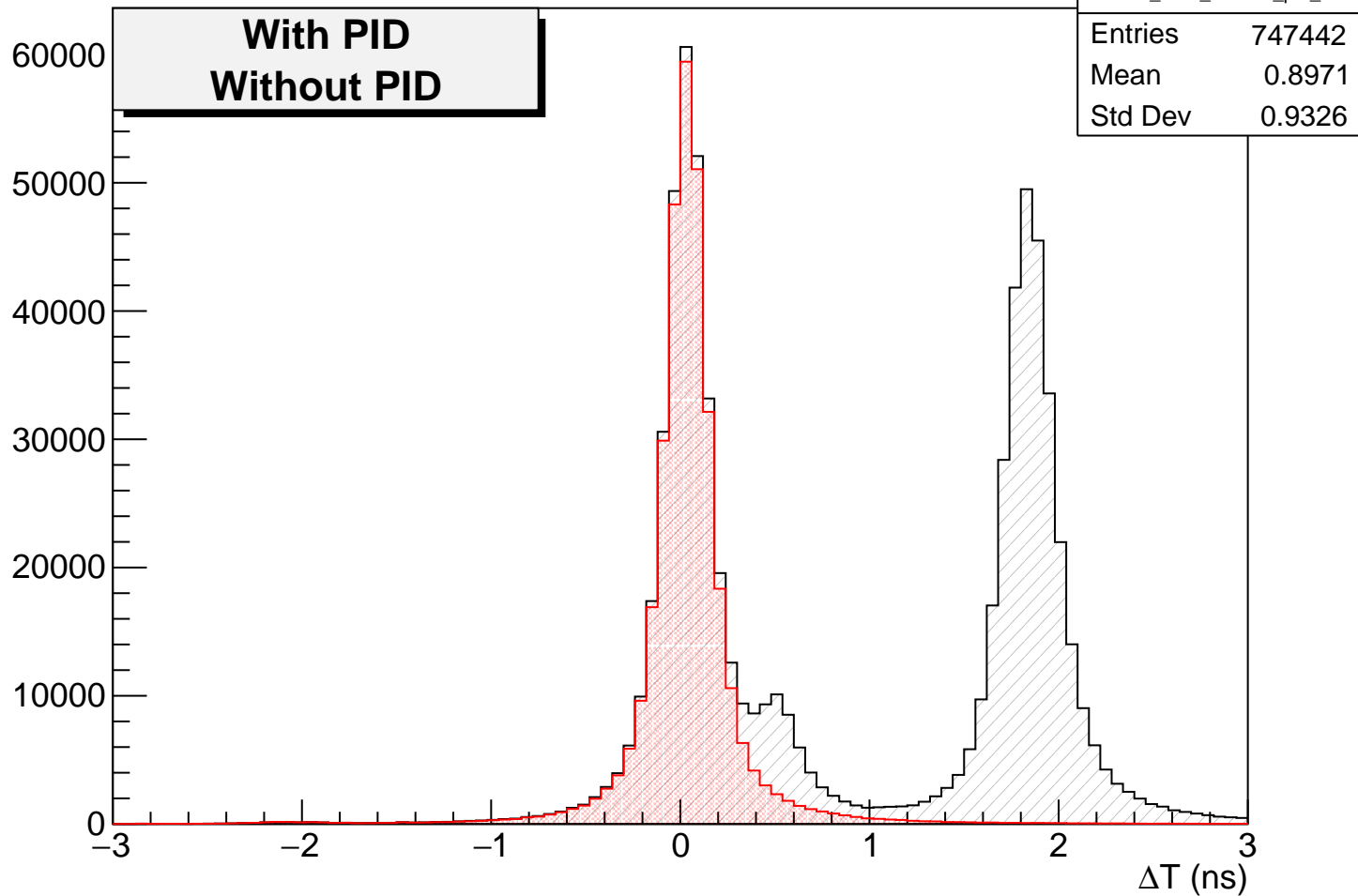
Momentum range [2.25, 2.30] GeV (Without PID)

Counts

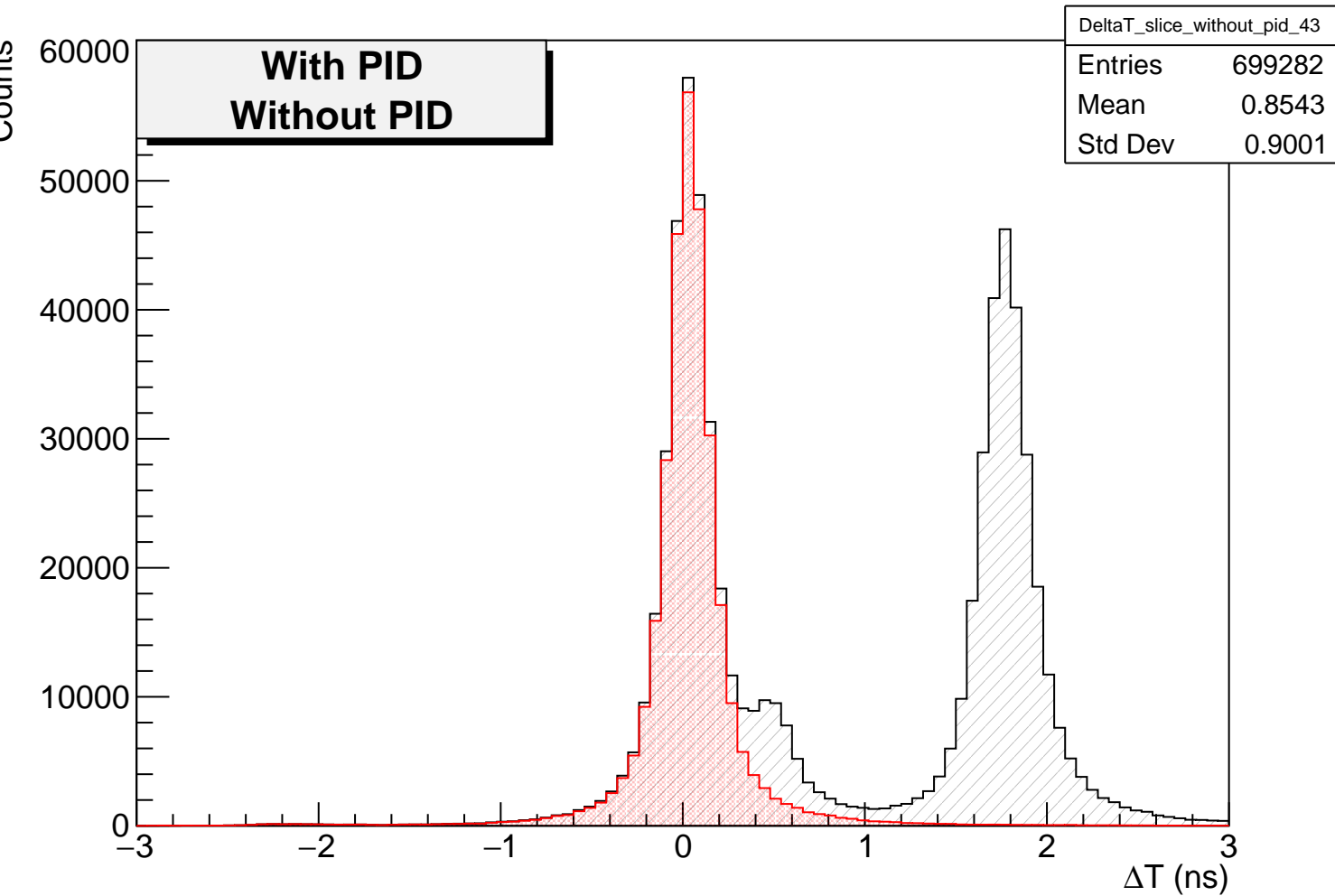


Momentum range [2.30, 2.35] GeV (Without PID)

Counts

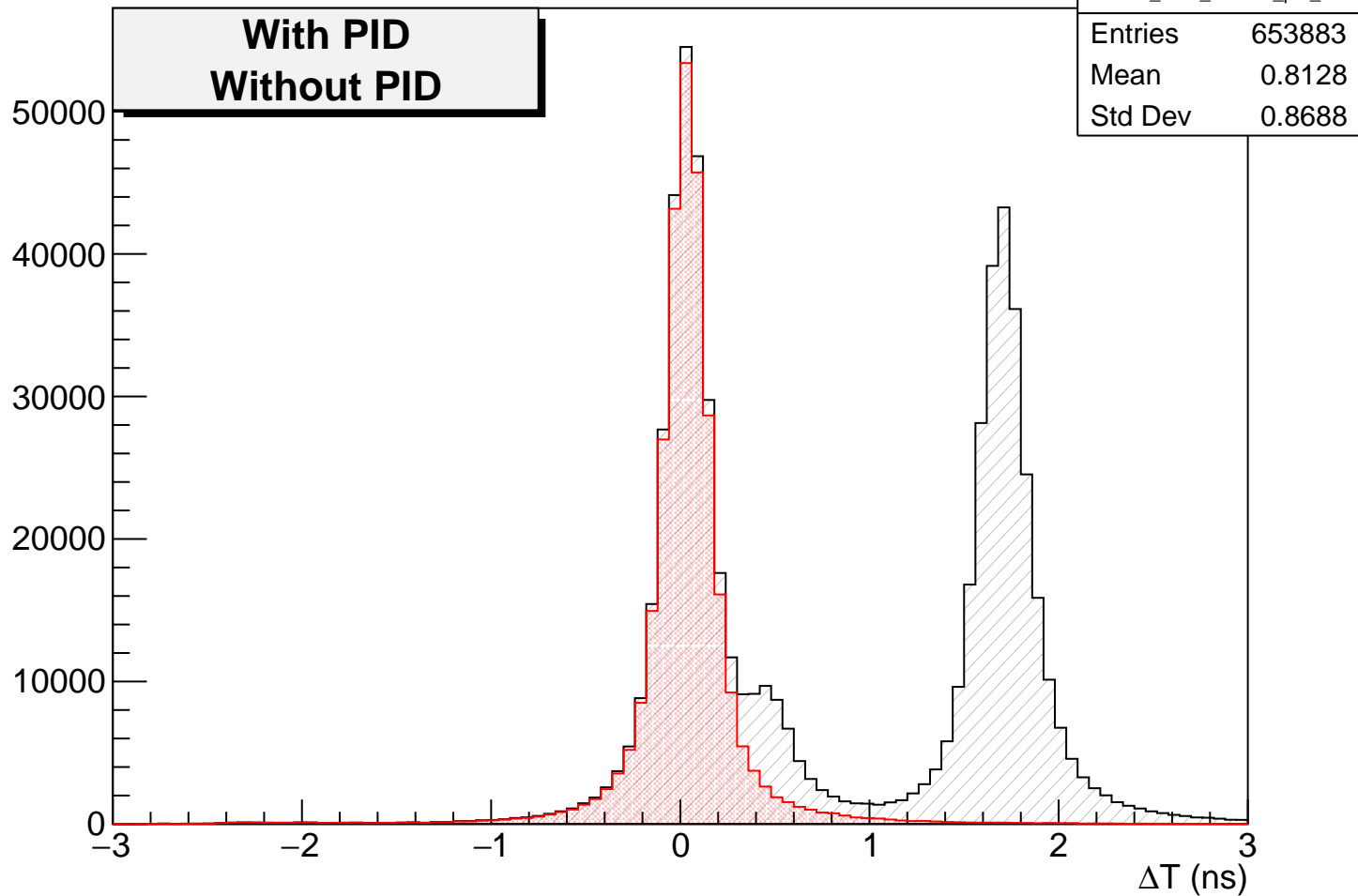


Momentum range [2.35, 2.40] GeV (Without PID)



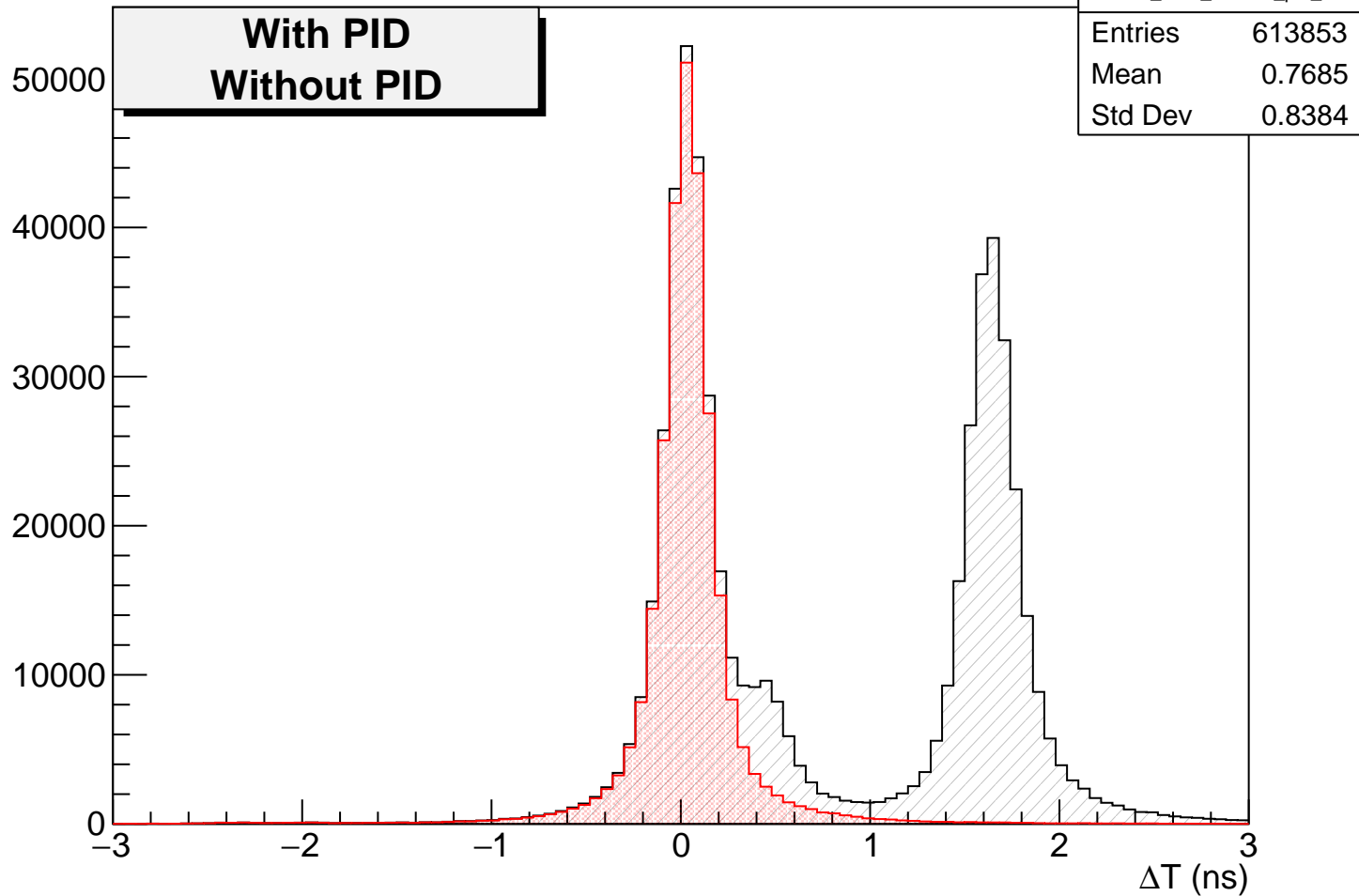
Momentum range [2.40, 2.45] GeV (Without PID)

Counts



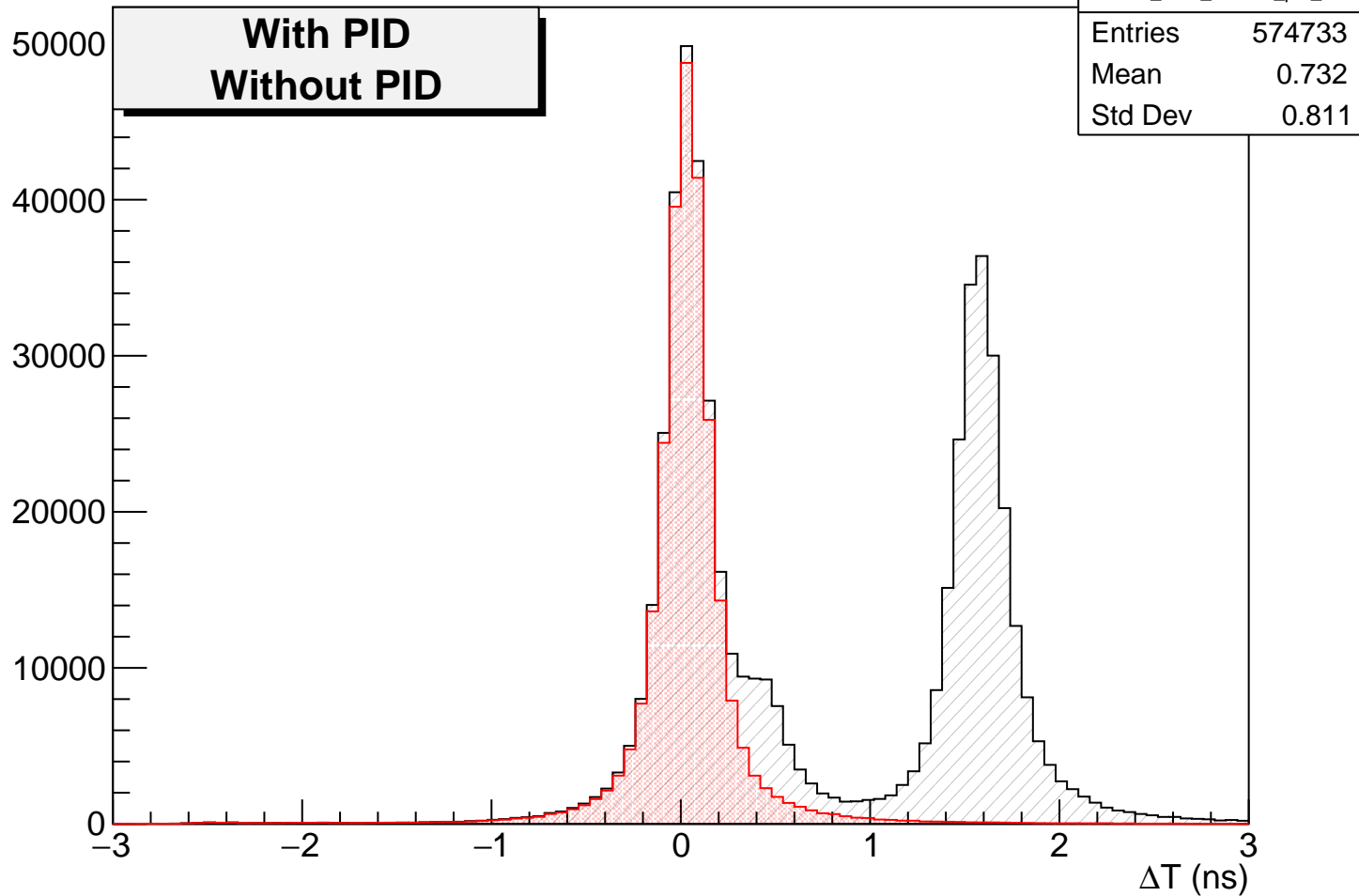
Momentum range [2.45, 2.50] GeV (Without PID)

Counts

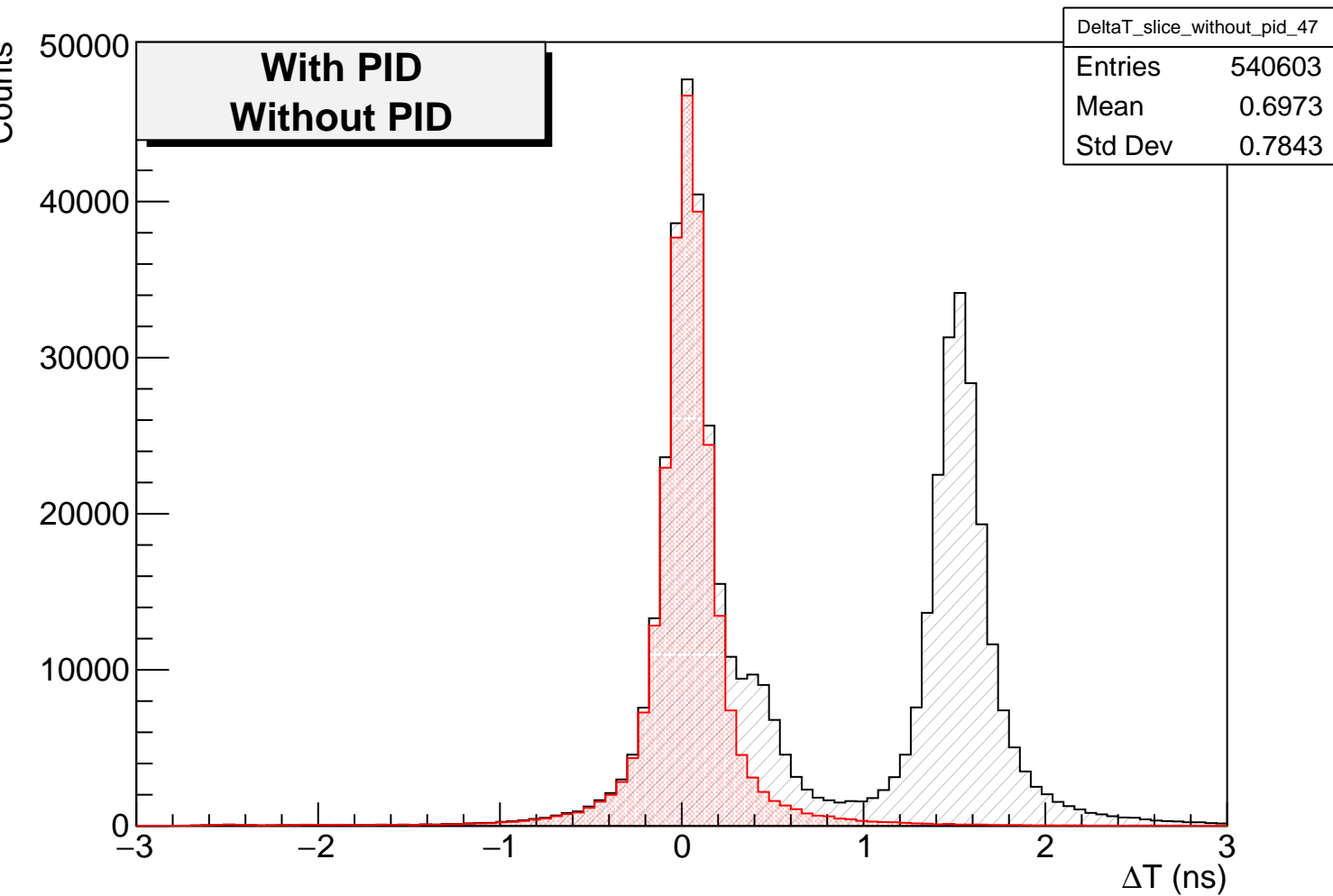


Momentum range [2.50, 2.55] GeV (Without PID)

Counts

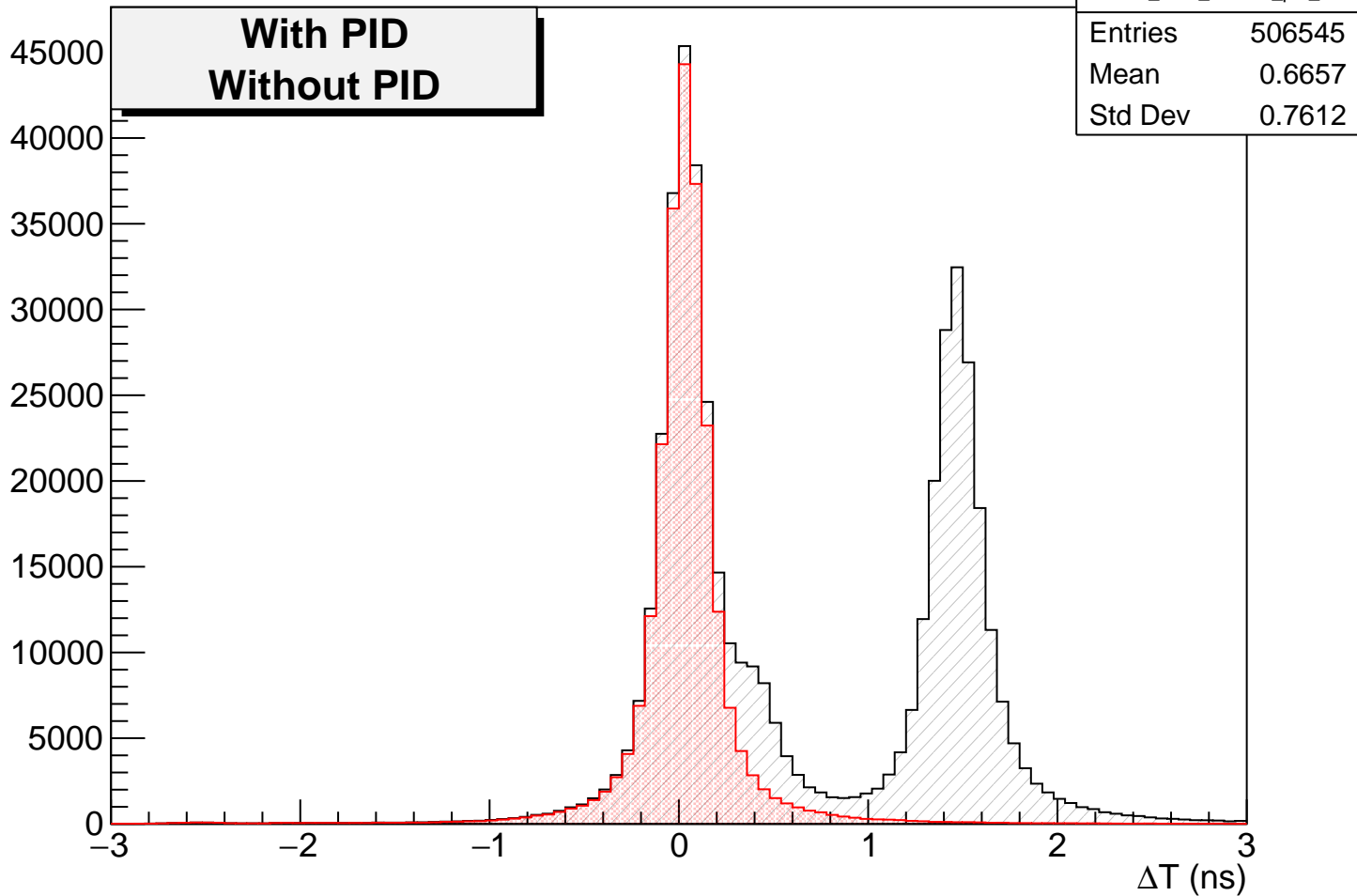


Momentum range [2.55, 2.60] GeV (Without PID)

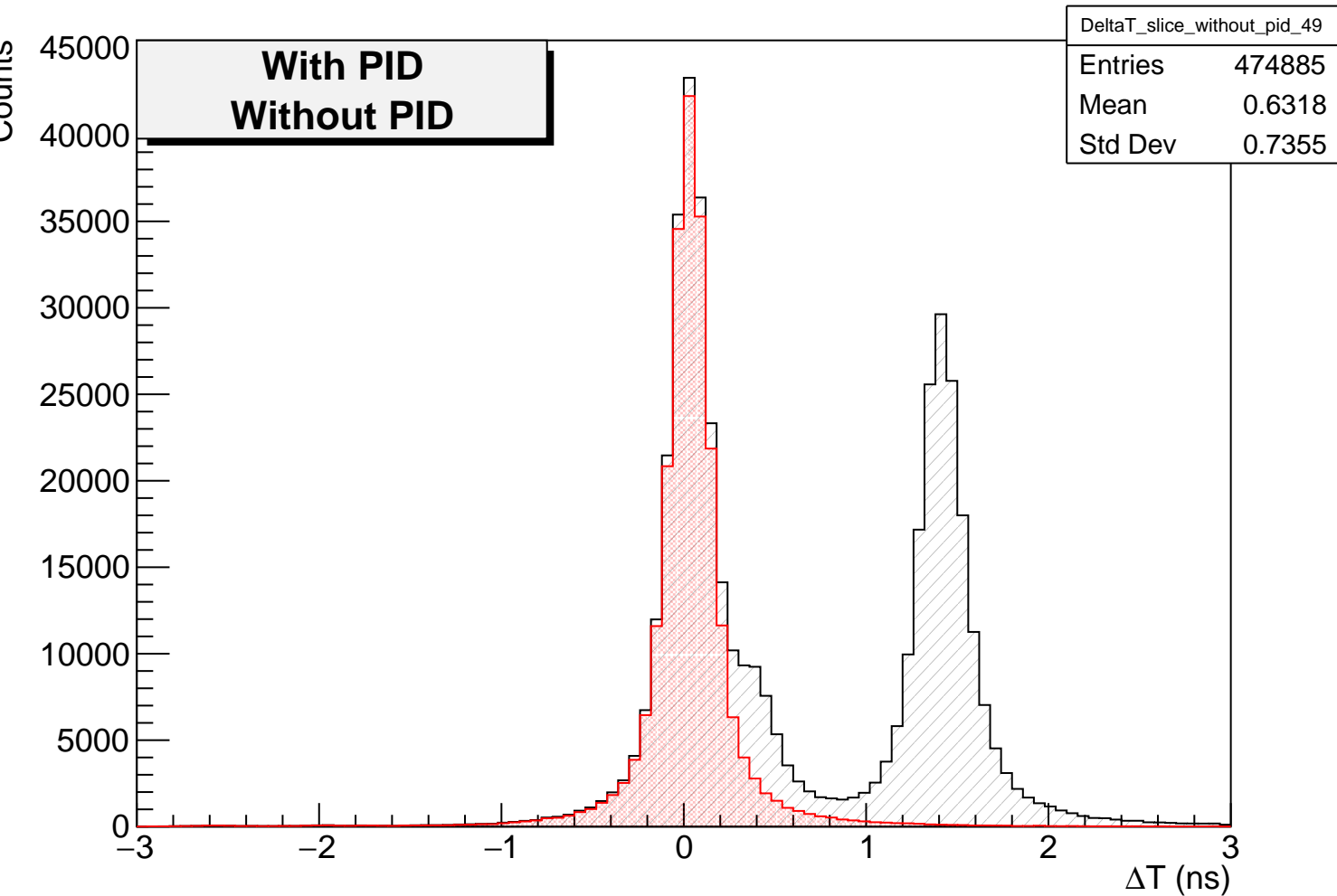


Momentum range [2.60, 2.65] GeV (Without PID)

Counts

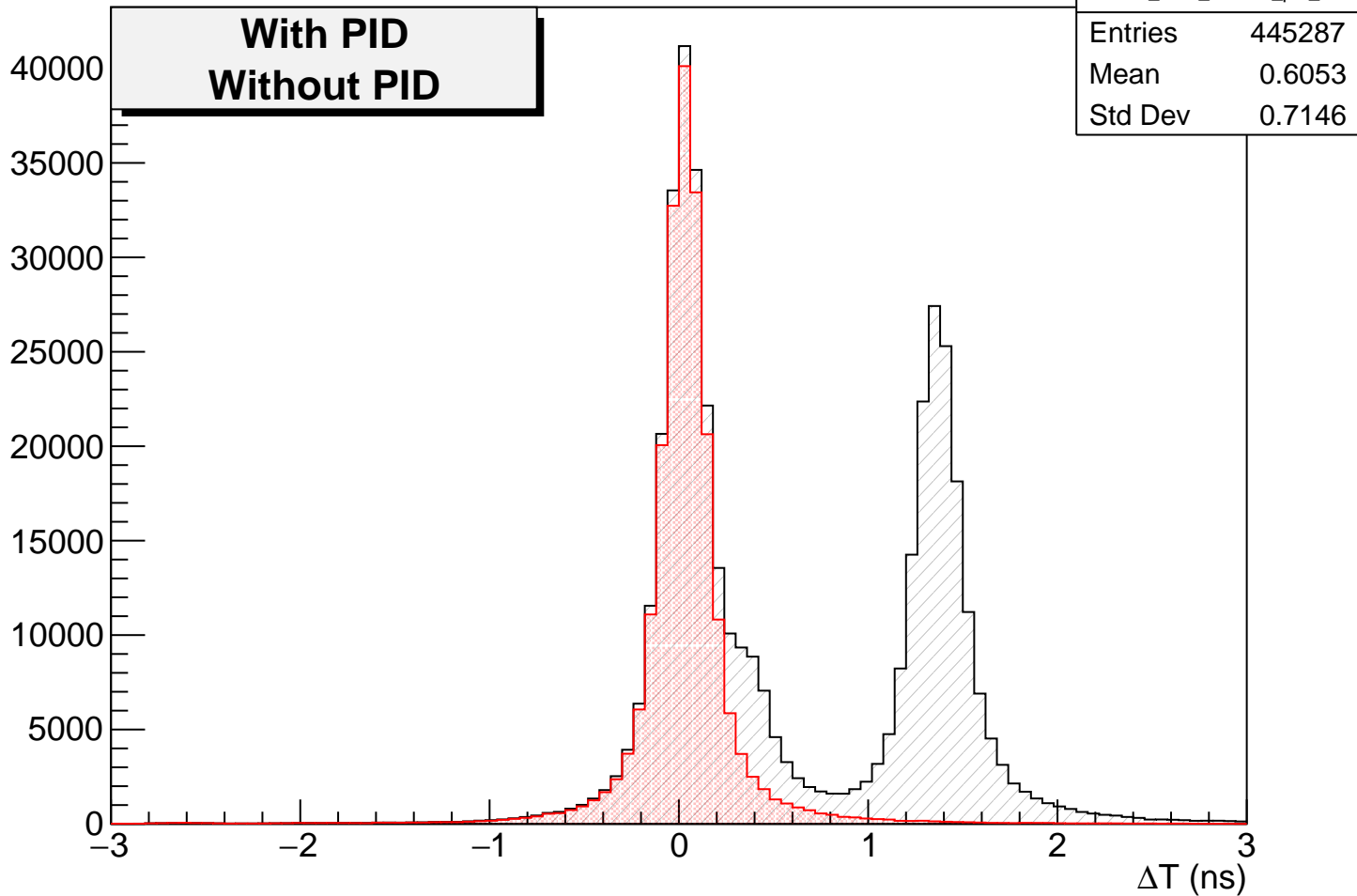


Momentum range [2.65, 2.70] GeV (Without PID)

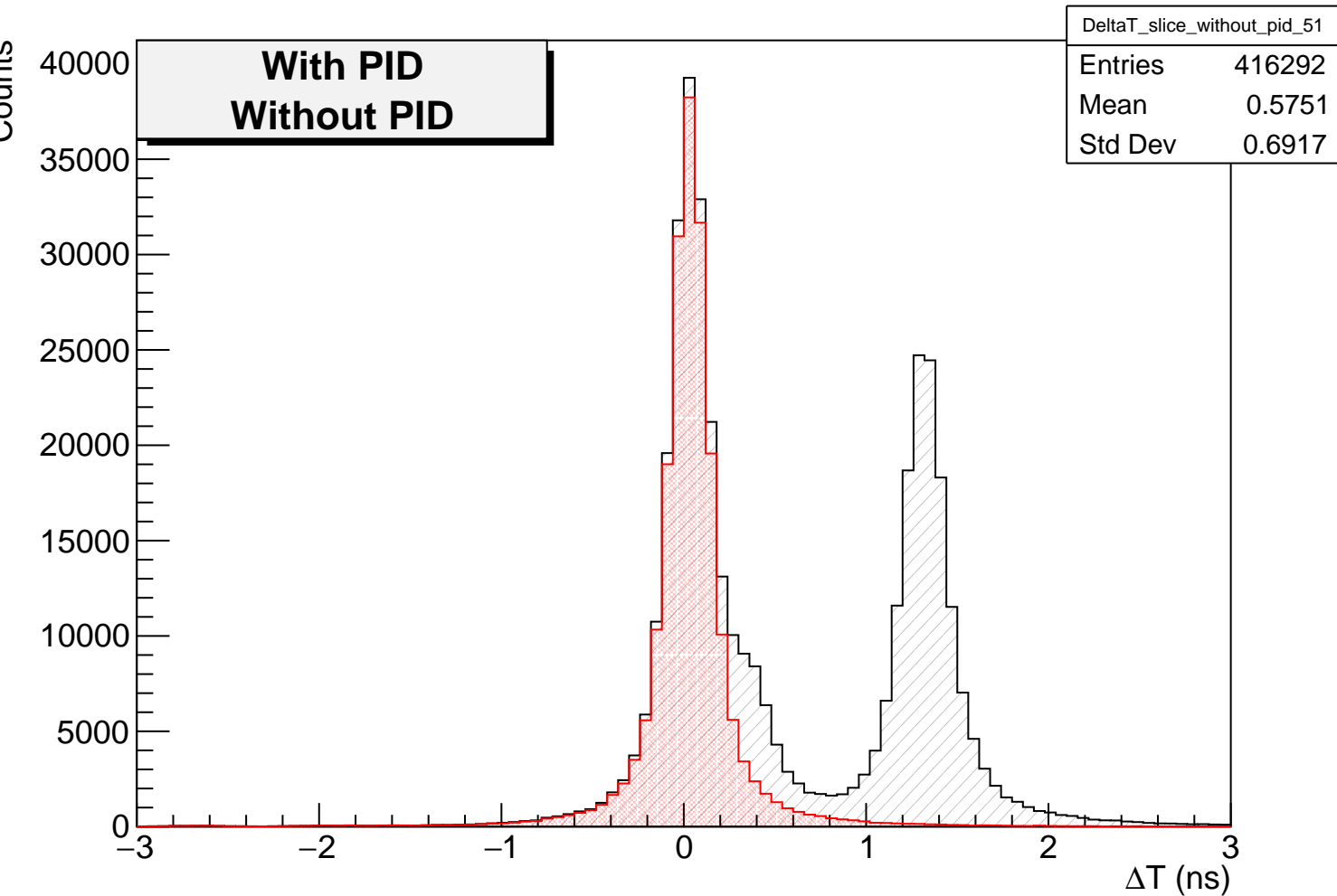


Momentum range [2.70, 2.75] GeV (Without PID)

Counts

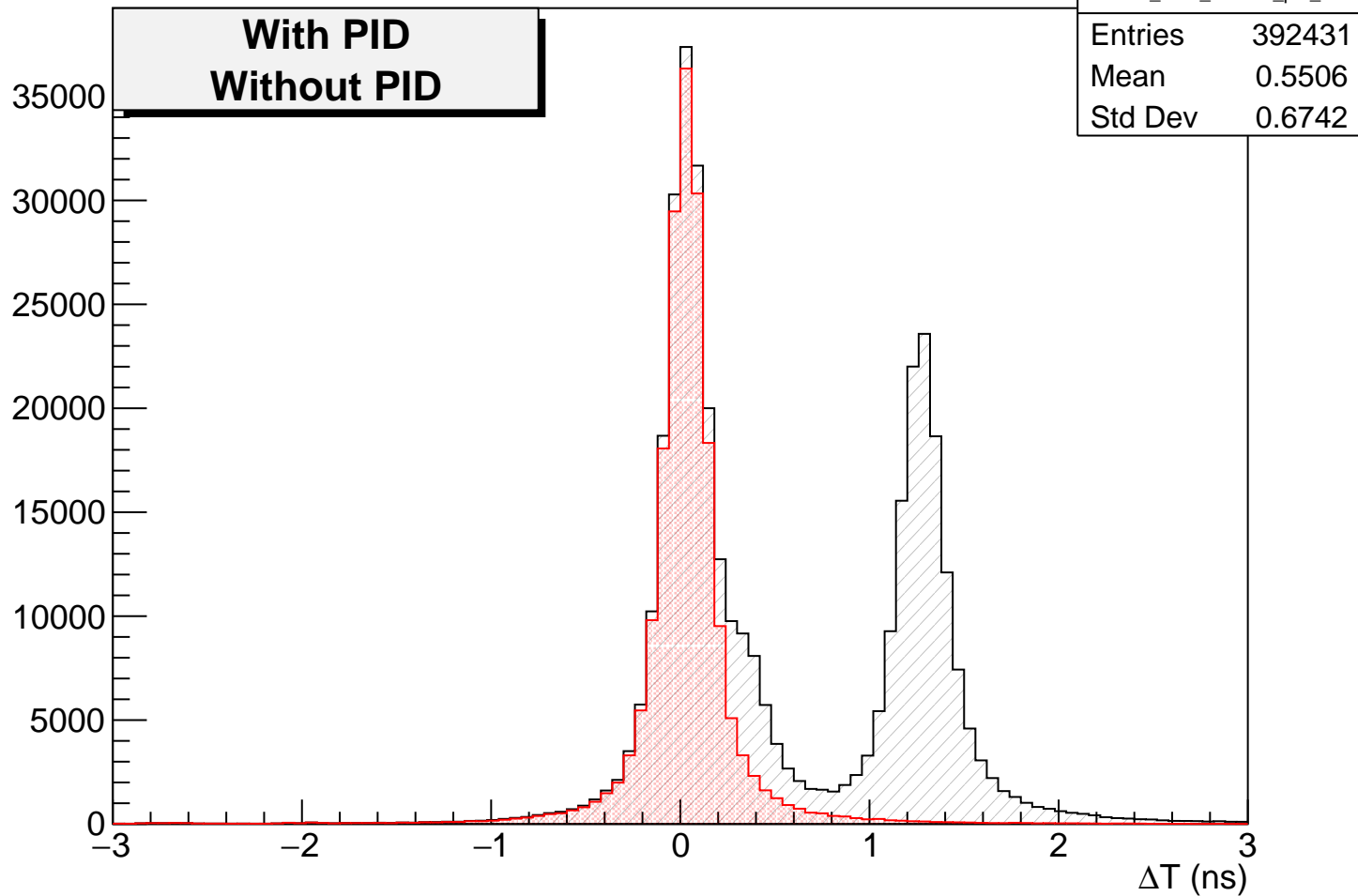


Momentum range [2.75, 2.80] GeV (Without PID)



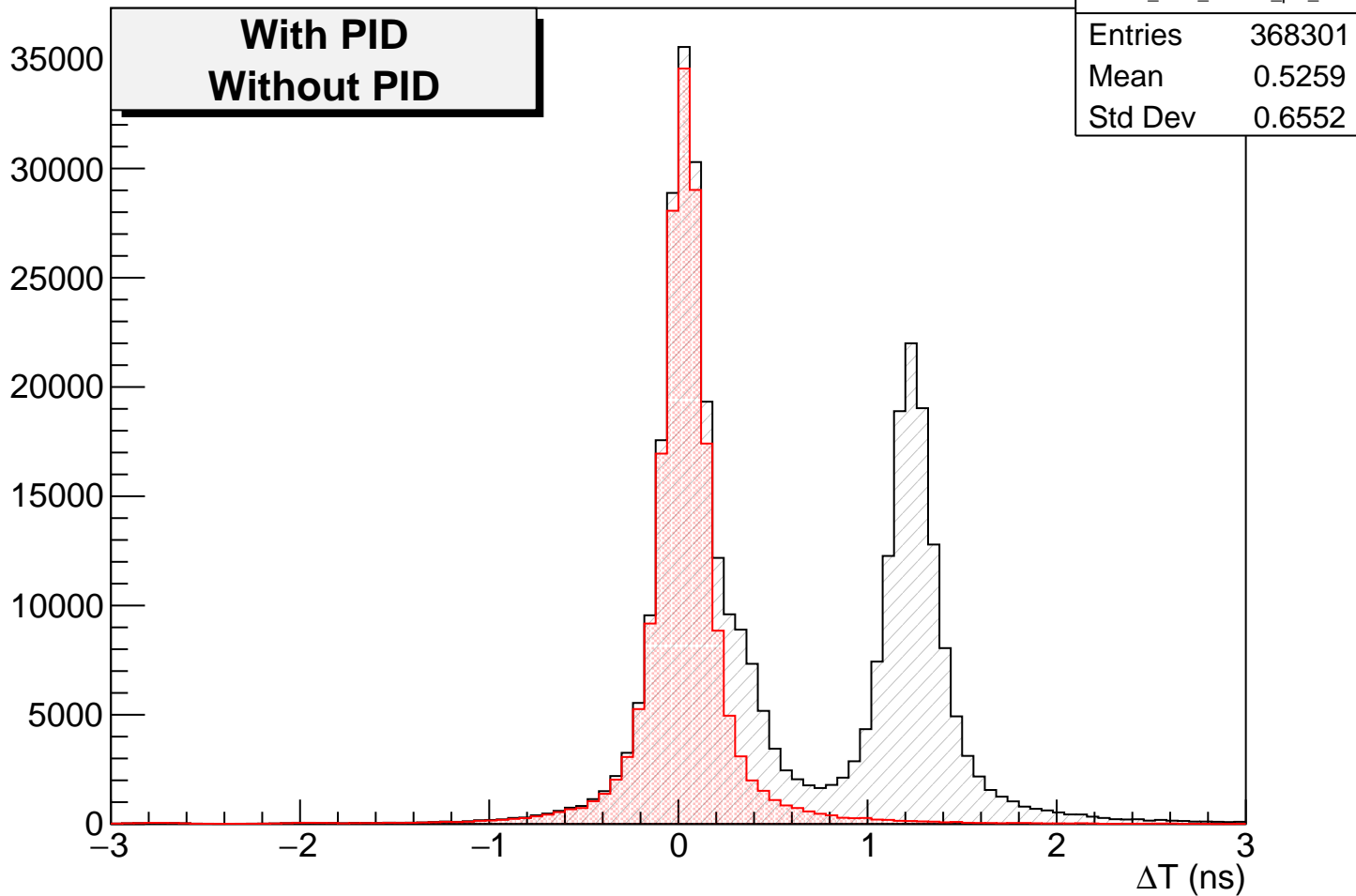
Momentum range [2.80, 2.85] GeV (Without PID)

Counts

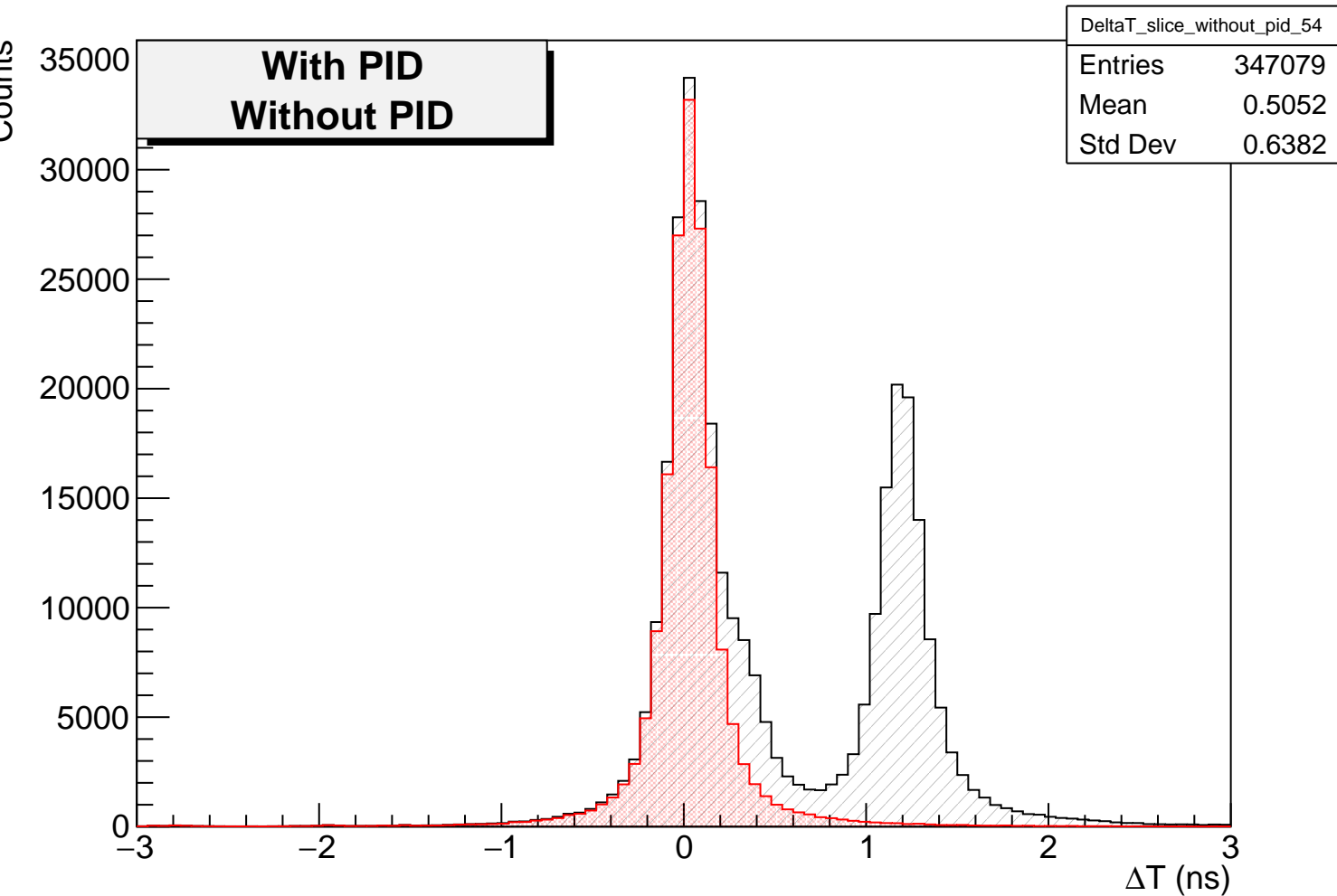


Momentum range [2.85, 2.90] GeV (Without PID)

Counts



Momentum range [2.90, 2.95] GeV (Without PID)

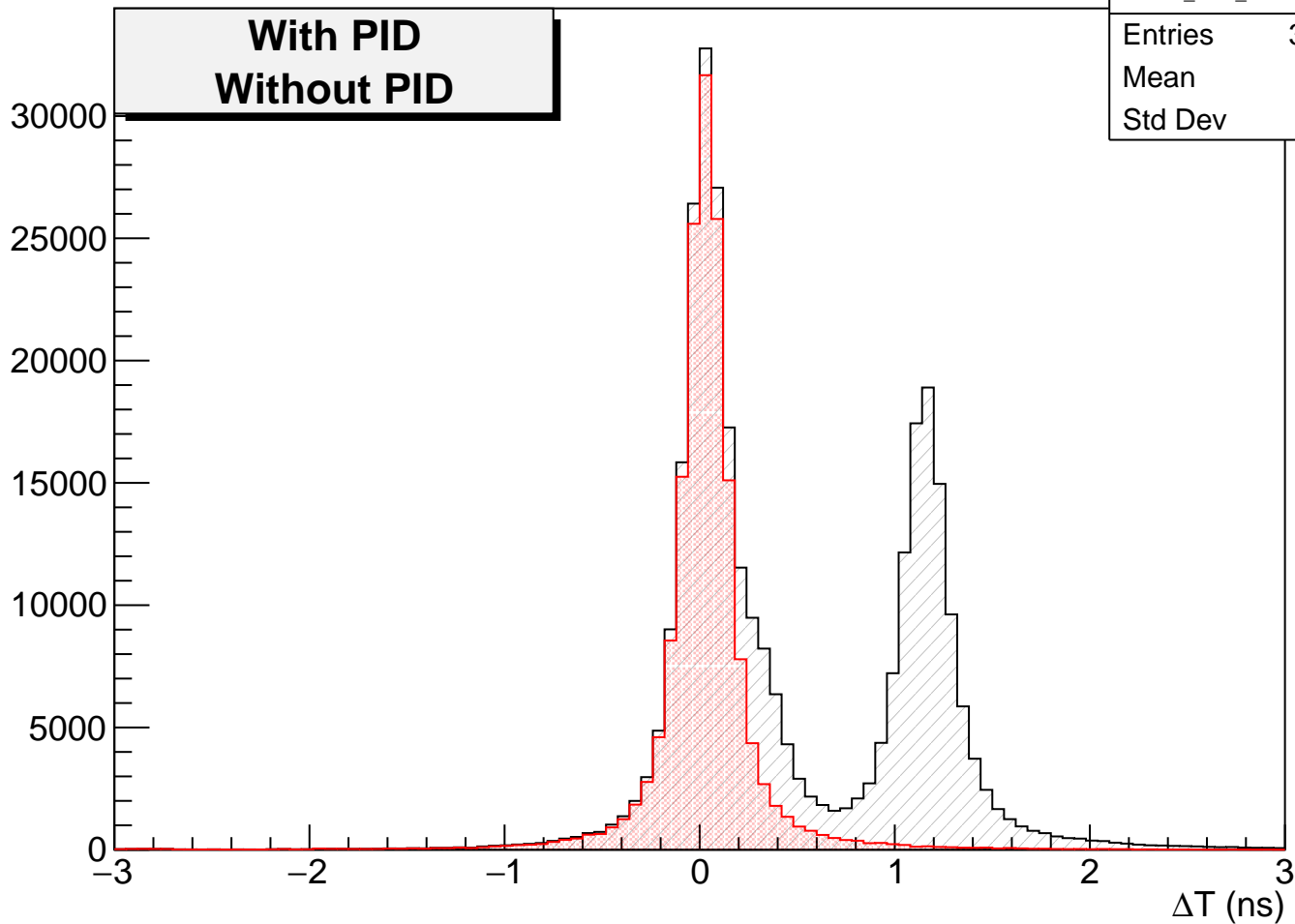


Momentum range [2.95, 3.00] GeV (Without PID)

Counts

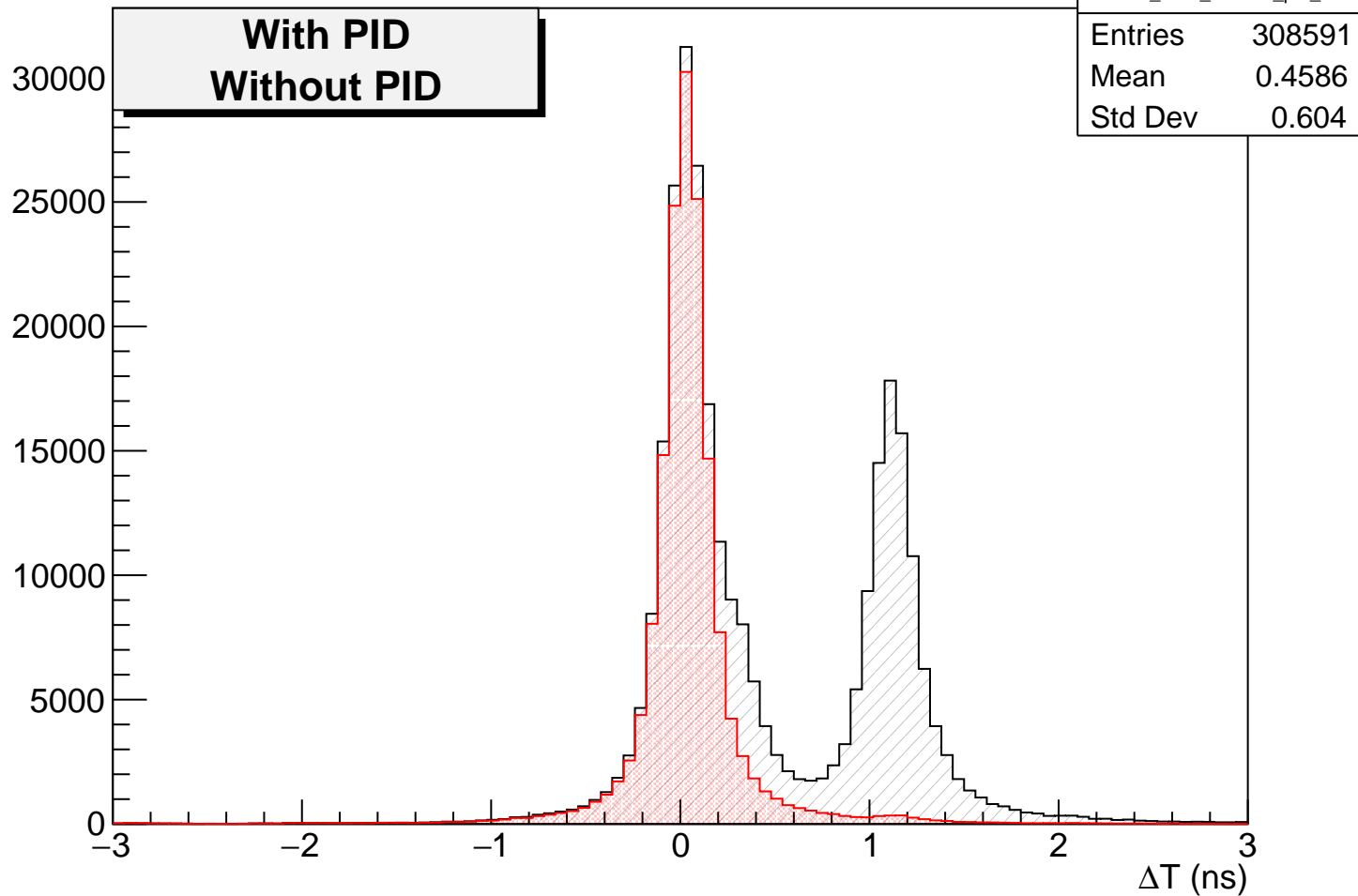
With PID
Without PID

DeltaT_slice_without_pid_55	
Entries	325912
Mean	0.4809
Std Dev	0.6202



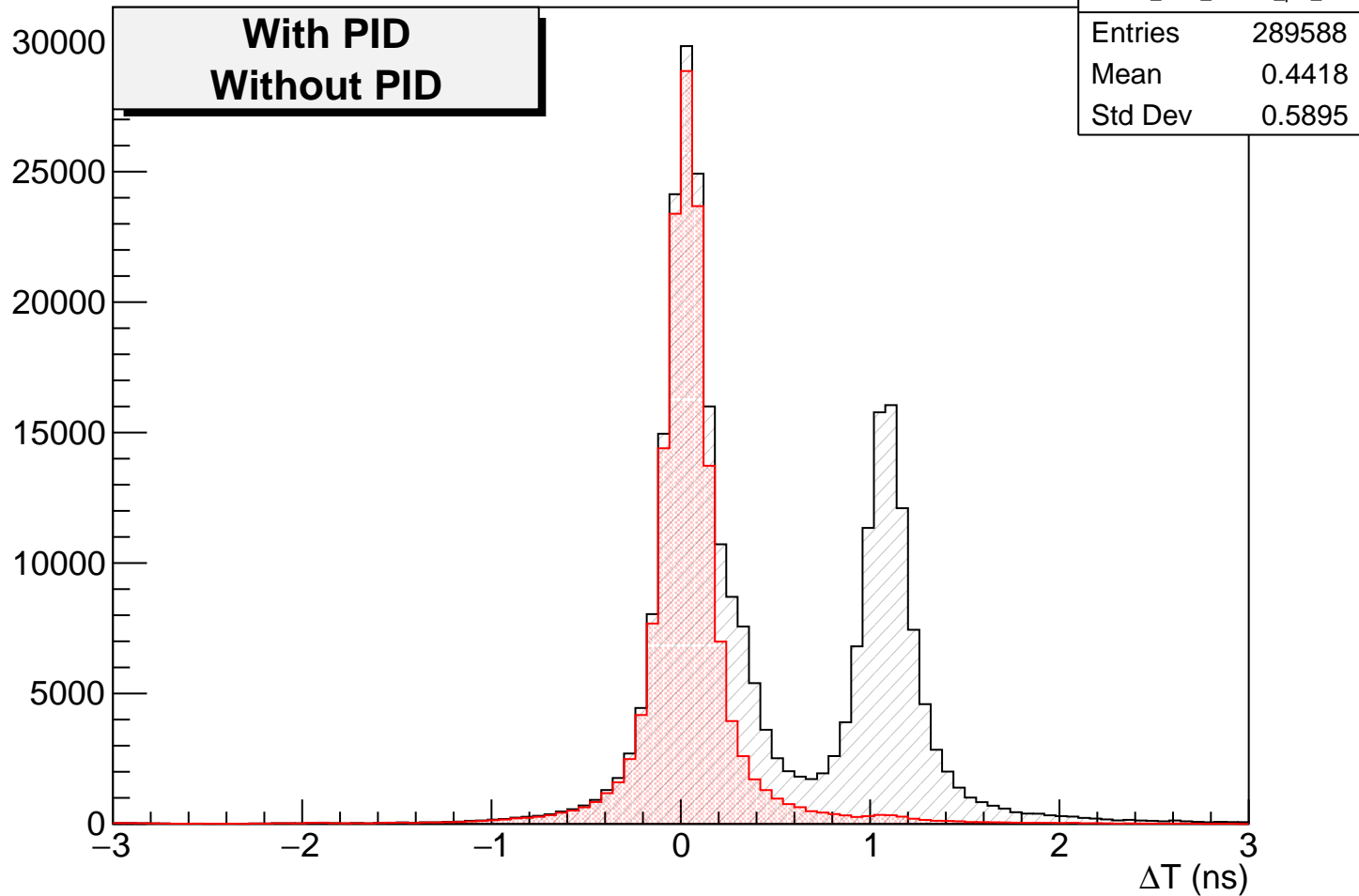
Momentum range [3.00, 3.05] GeV (Without PID)

Counts



Momentum range [3.05, 3.10] GeV (Without PID)

Counts

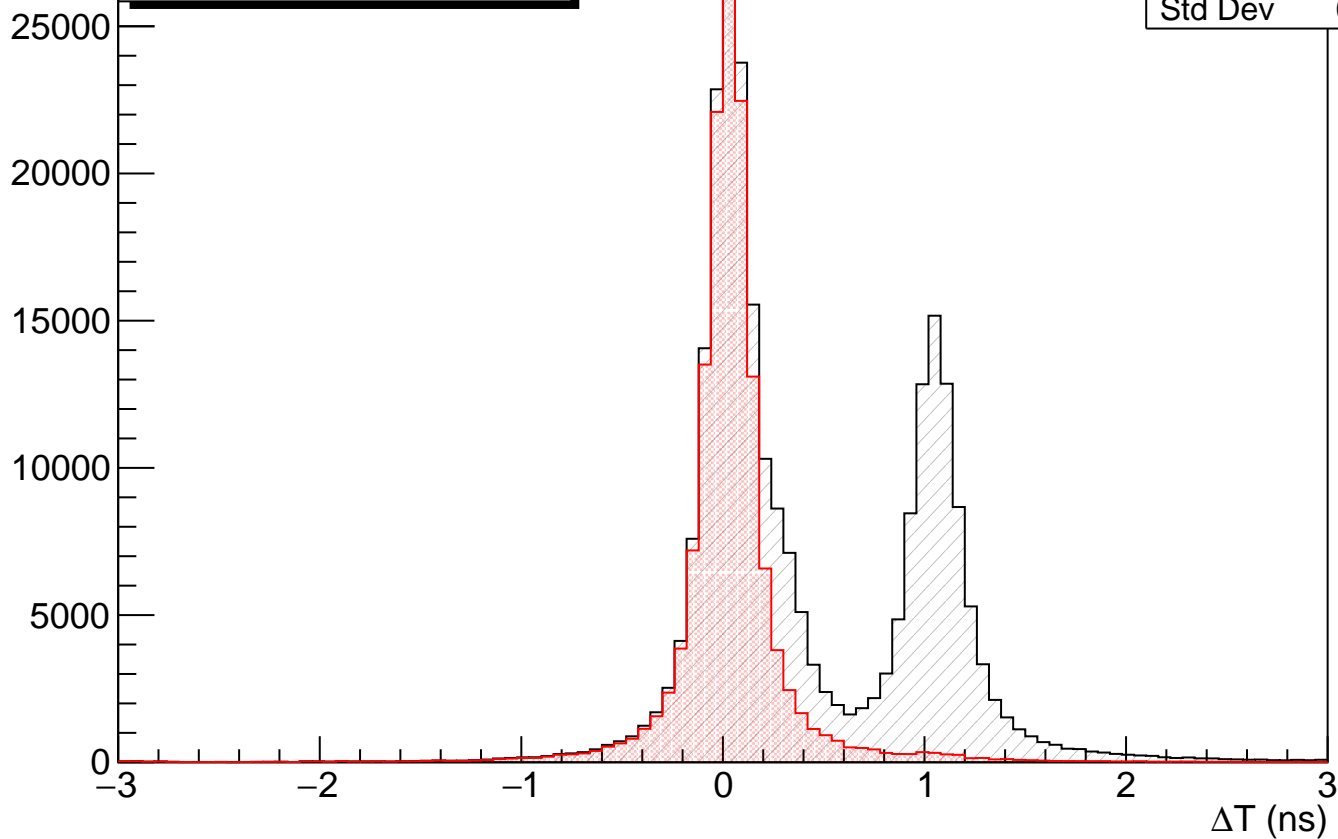


Momentum range [3.10, 3.15] GeV (Without PID)

Counts

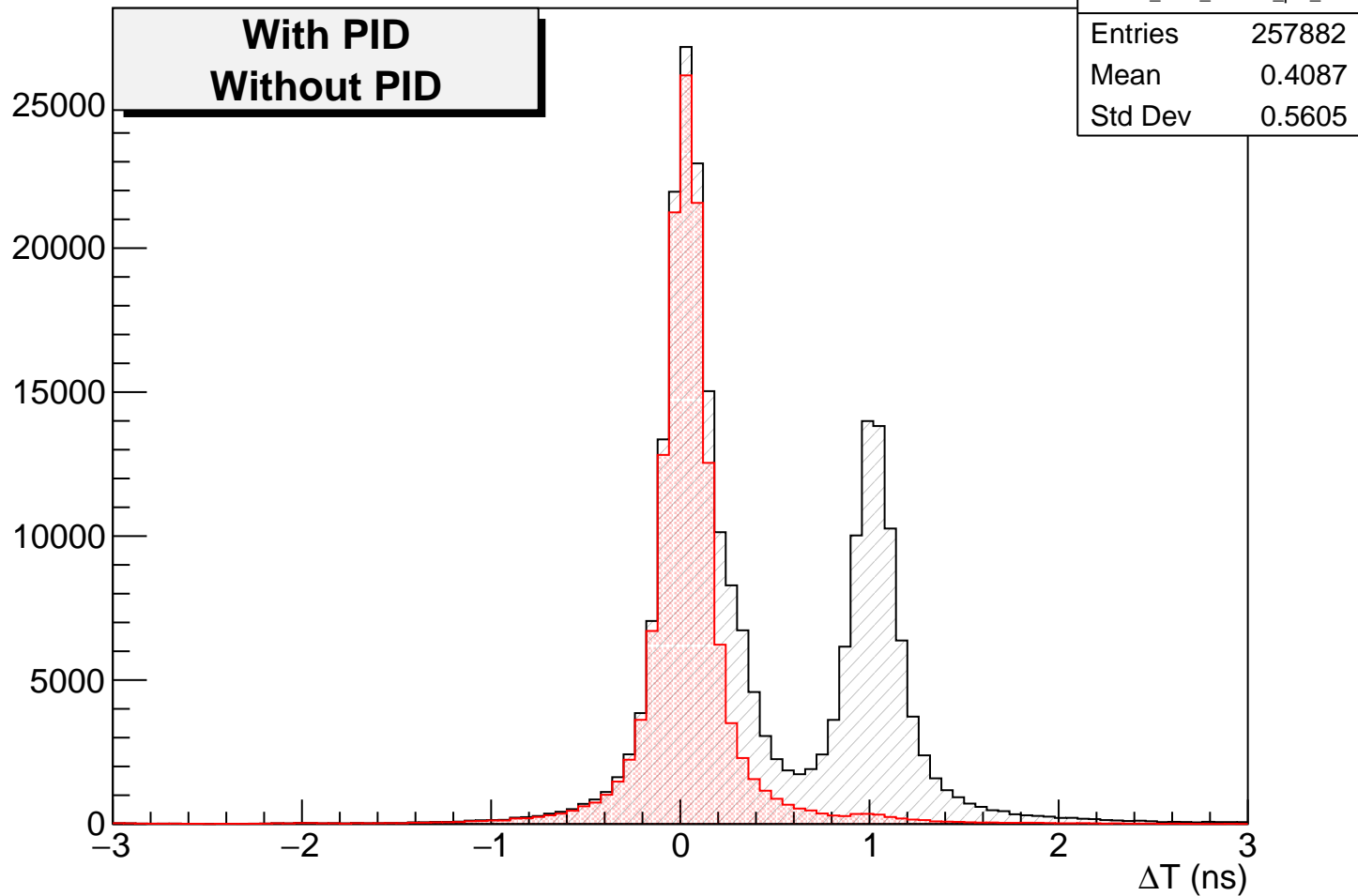
With PID
Without PID

DeltaT_slice_without_pid_58	
Entries	272171
Mean	0.423
Std Dev	0.5775



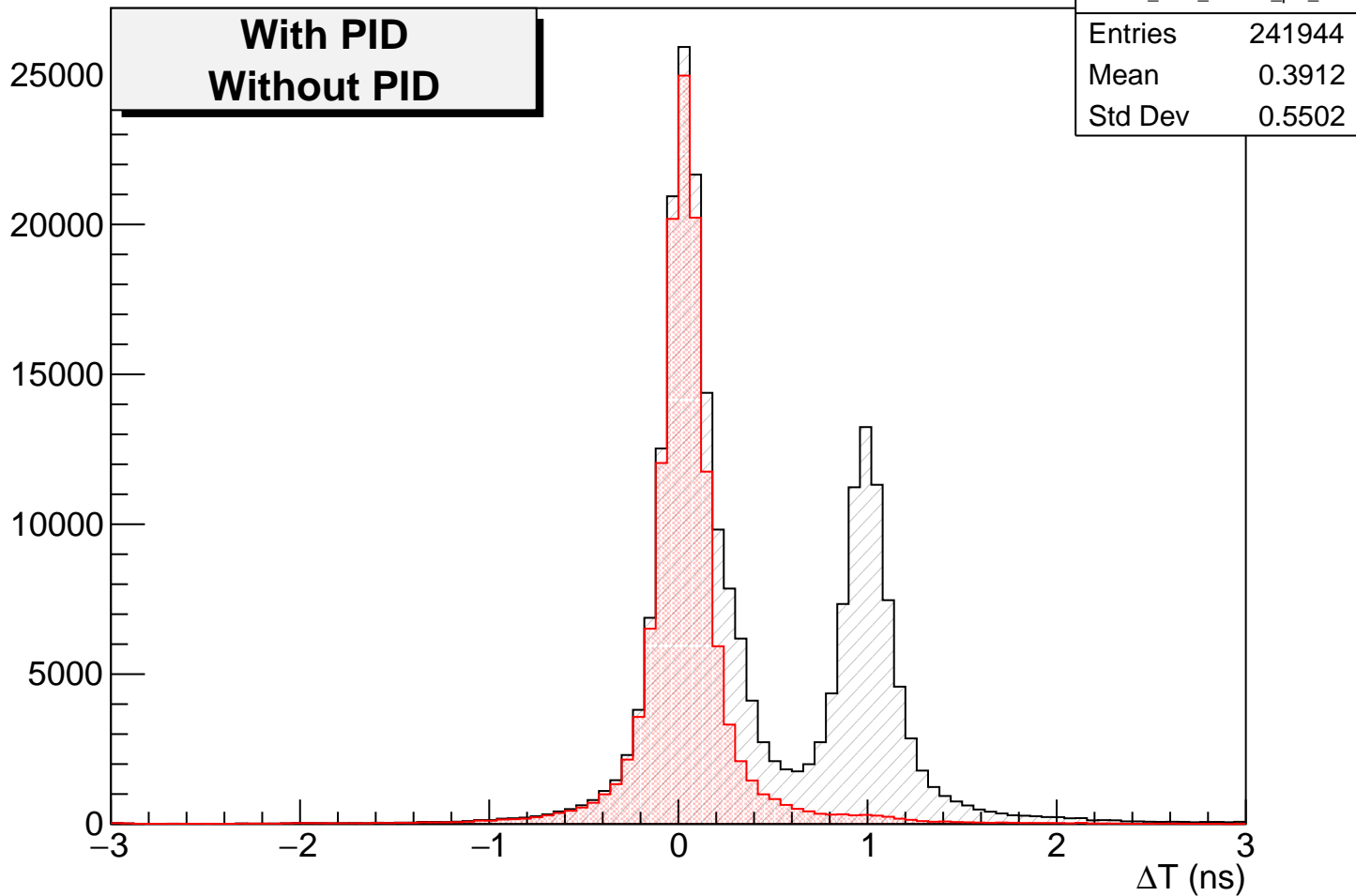
Momentum range [3.15, 3.20] GeV (Without PID)

Counts

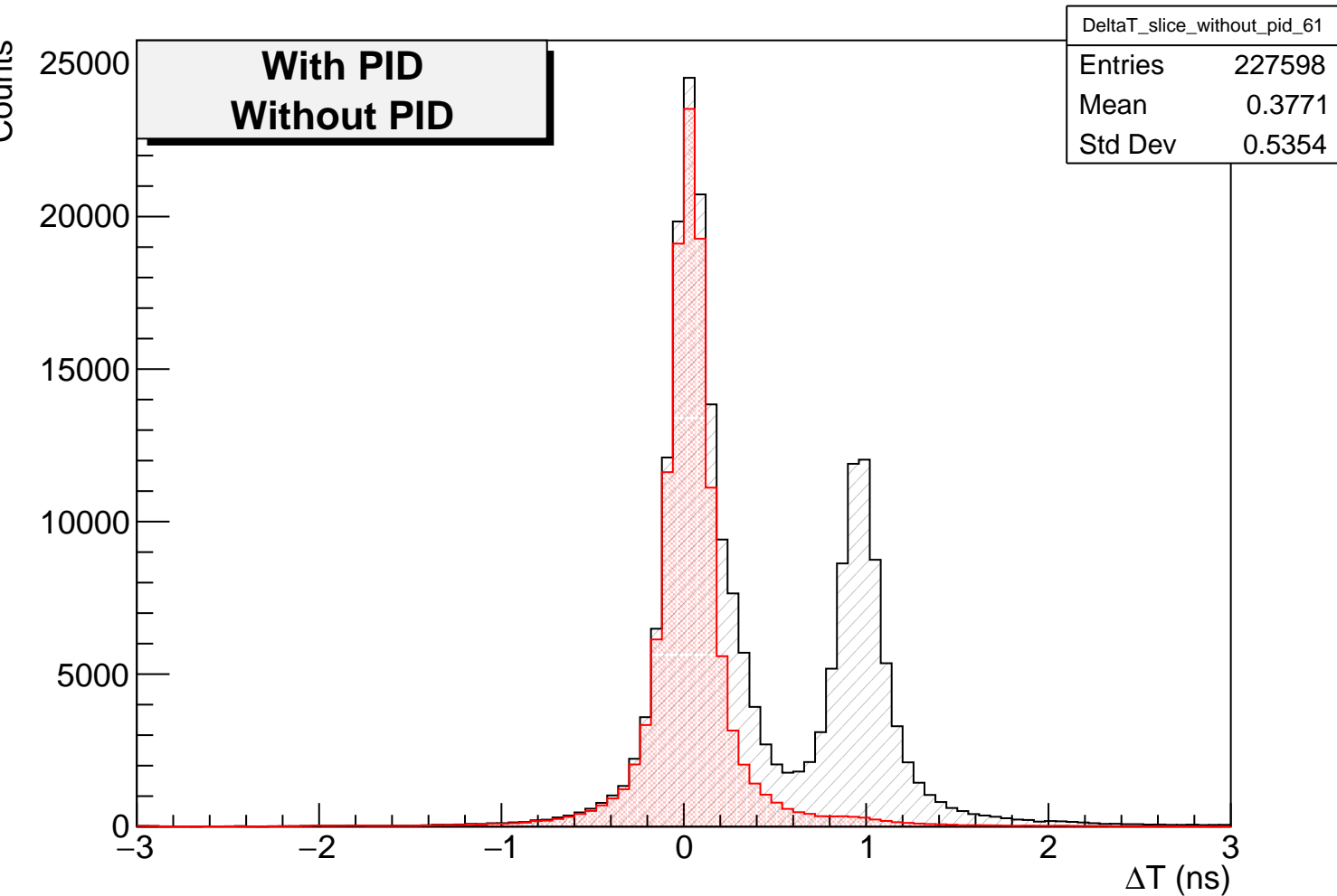


Momentum range [3.20, 3.25] GeV (Without PID)

Counts

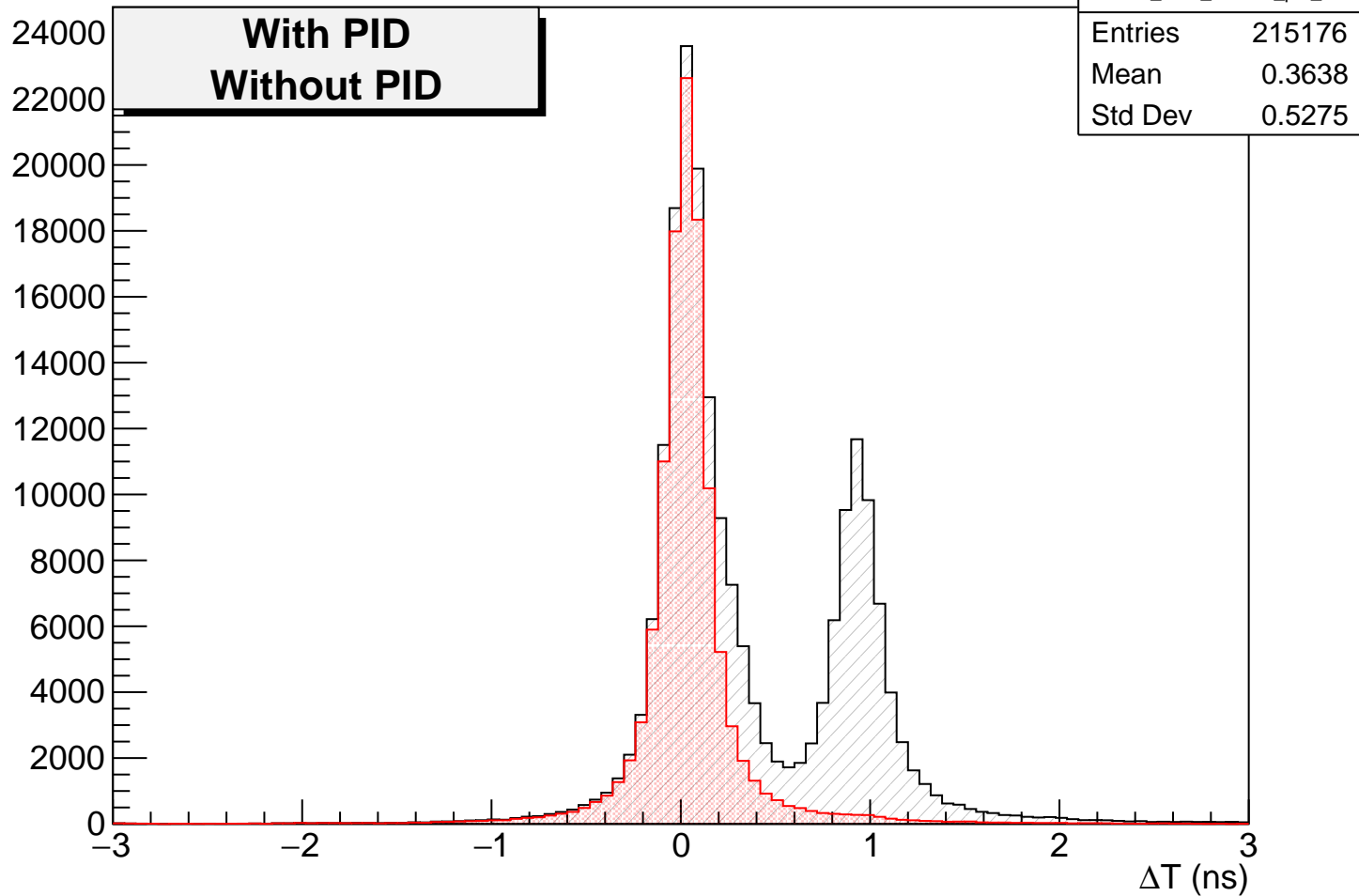


Momentum range [3.25, 3.30] GeV (Without PID)



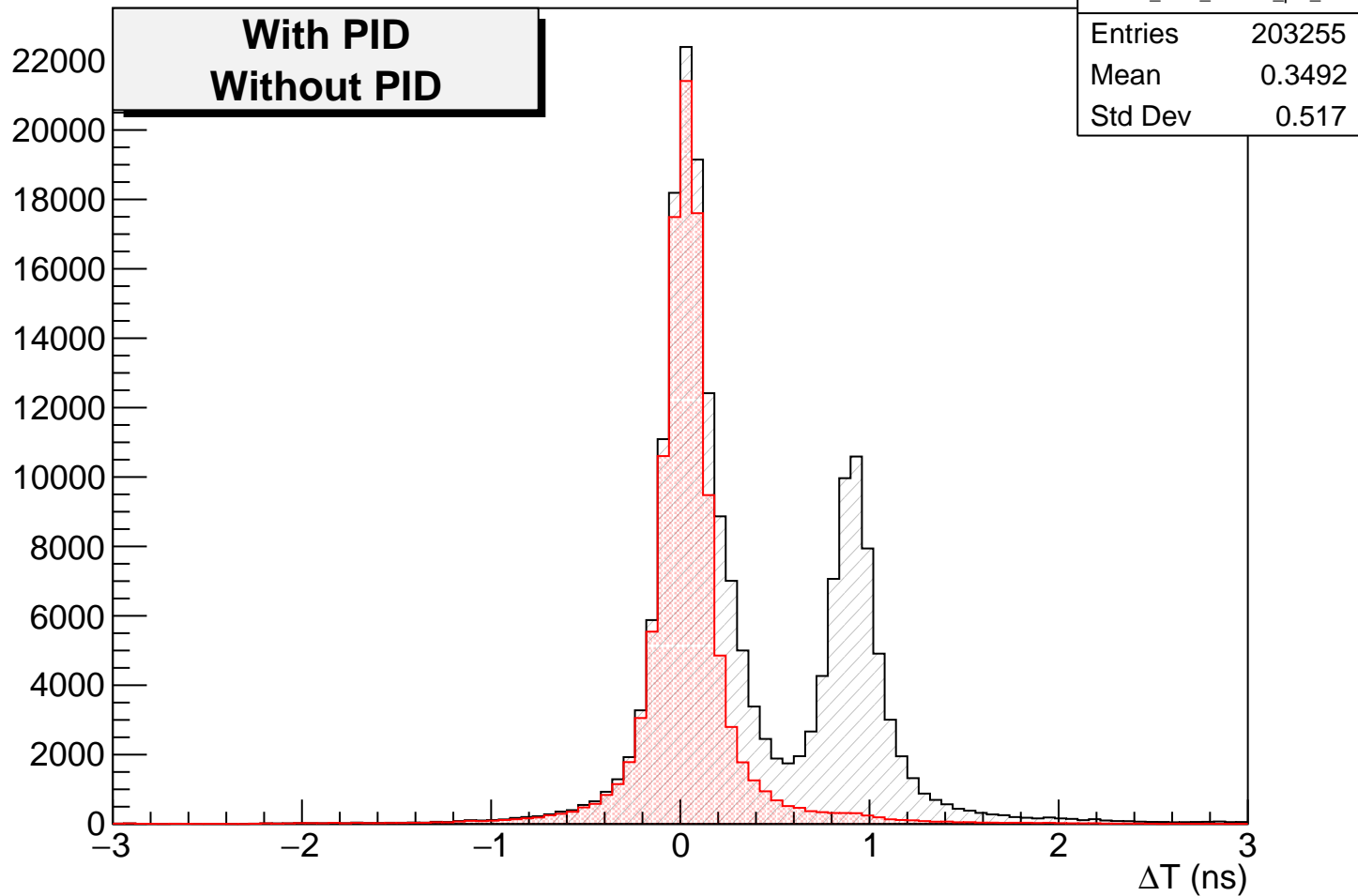
Momentum range [3.30, 3.35] GeV (Without PID)

Counts



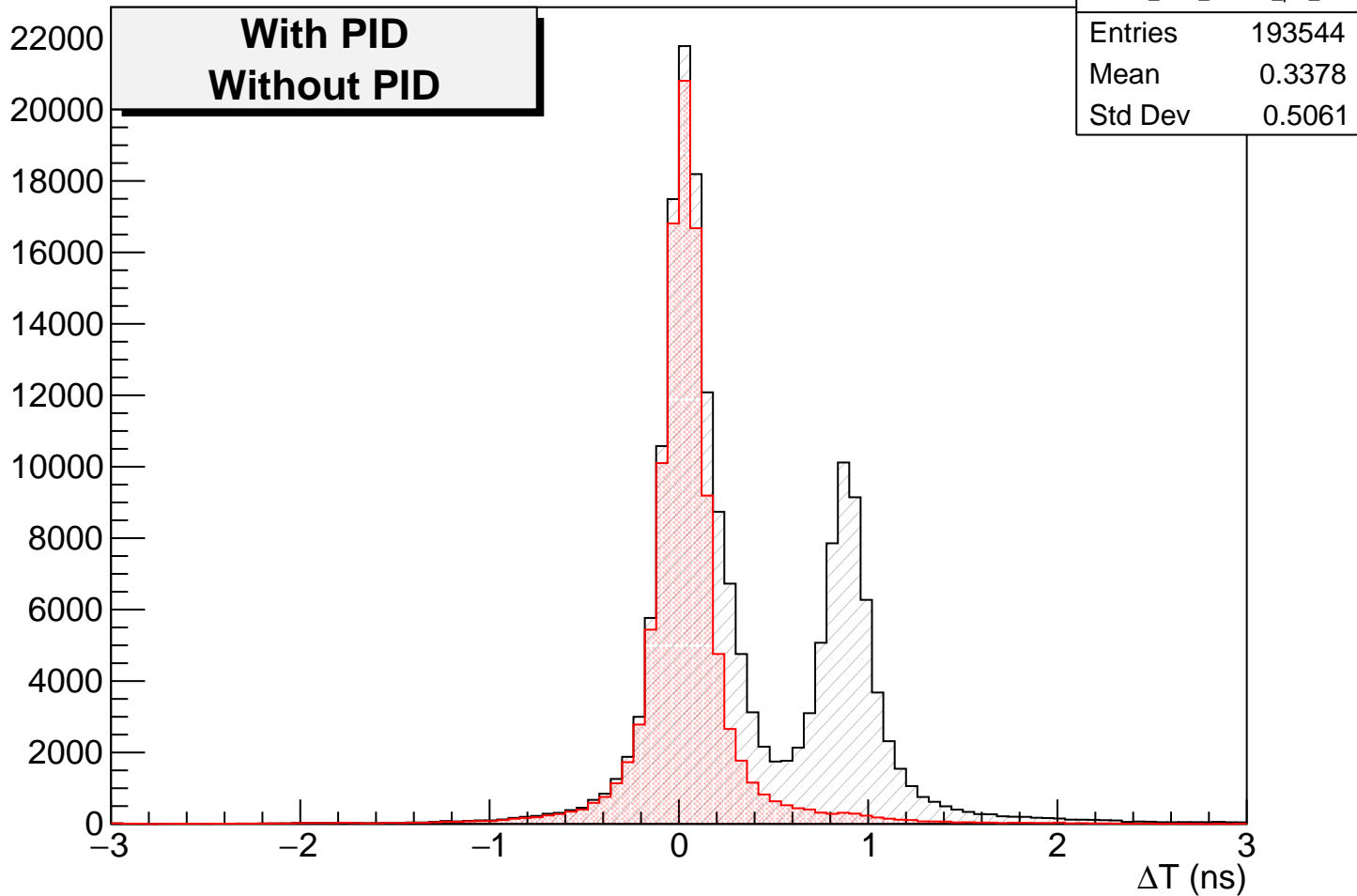
Momentum range [3.35, 3.40] GeV (Without PID)

Counts



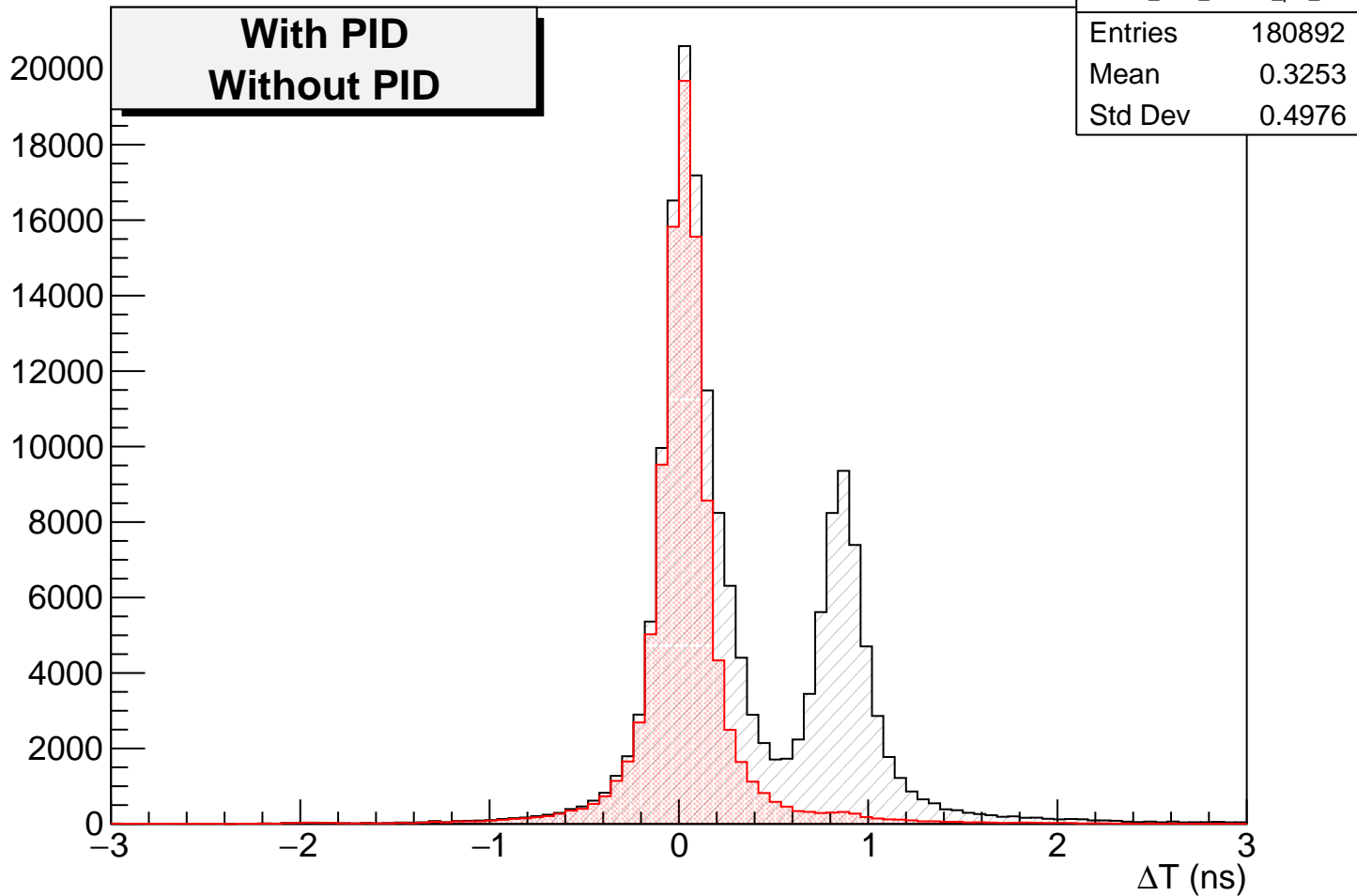
Momentum range [3.40, 3.45] GeV (Without PID)

Counts

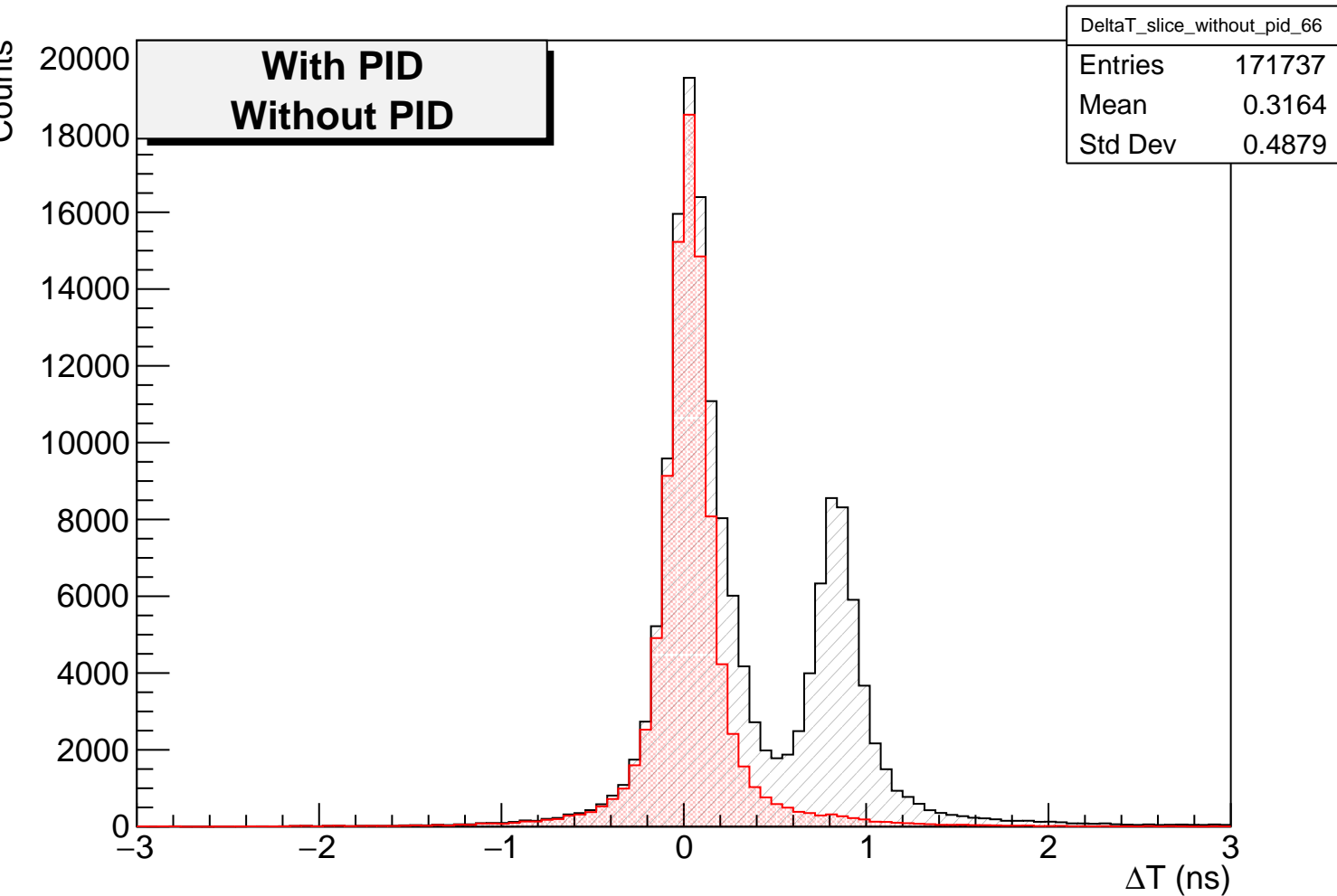


Momentum range [3.45, 3.50] GeV (Without PID)

Counts

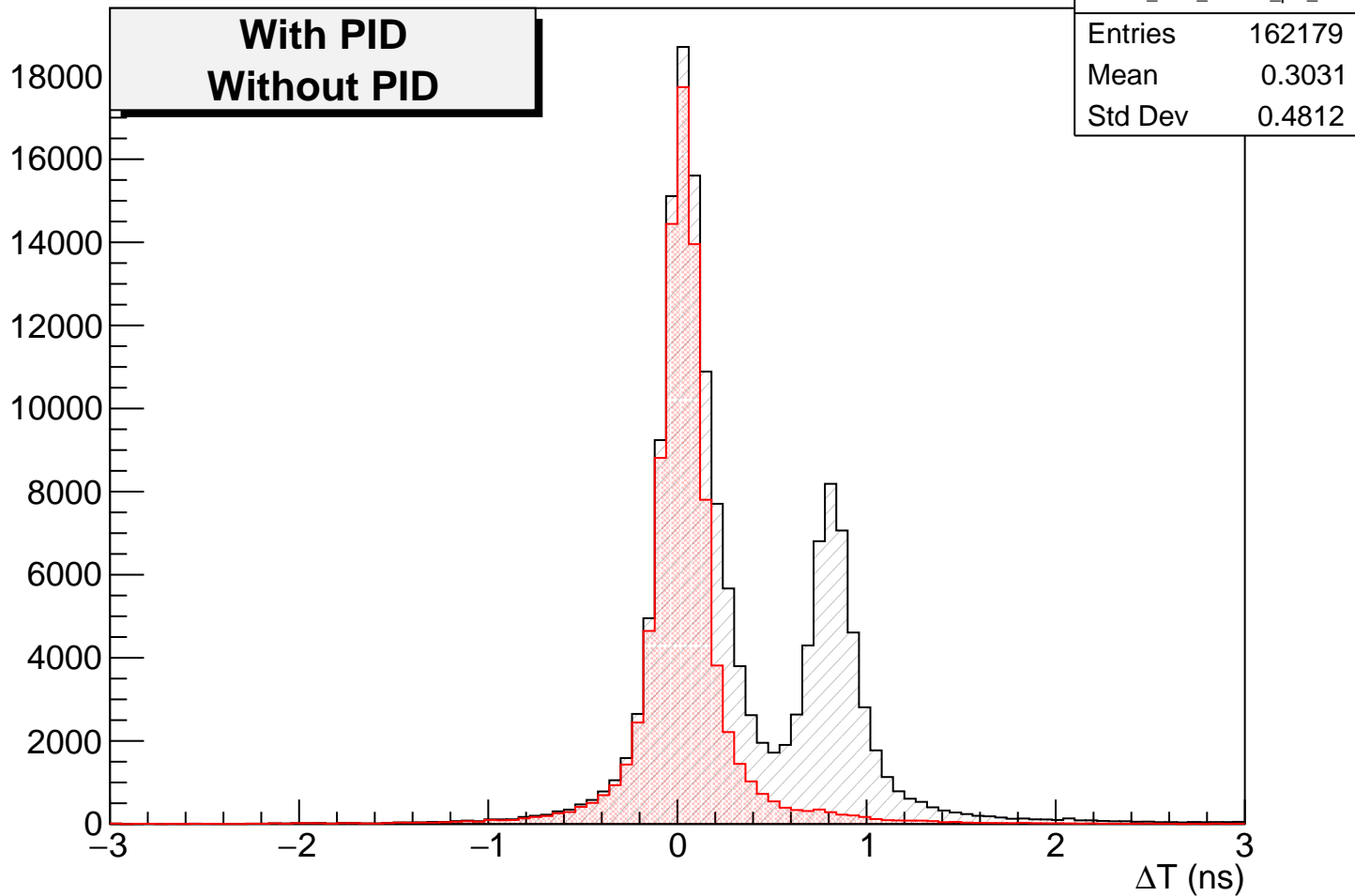


Momentum range [3.50, 3.55] GeV (Without PID)



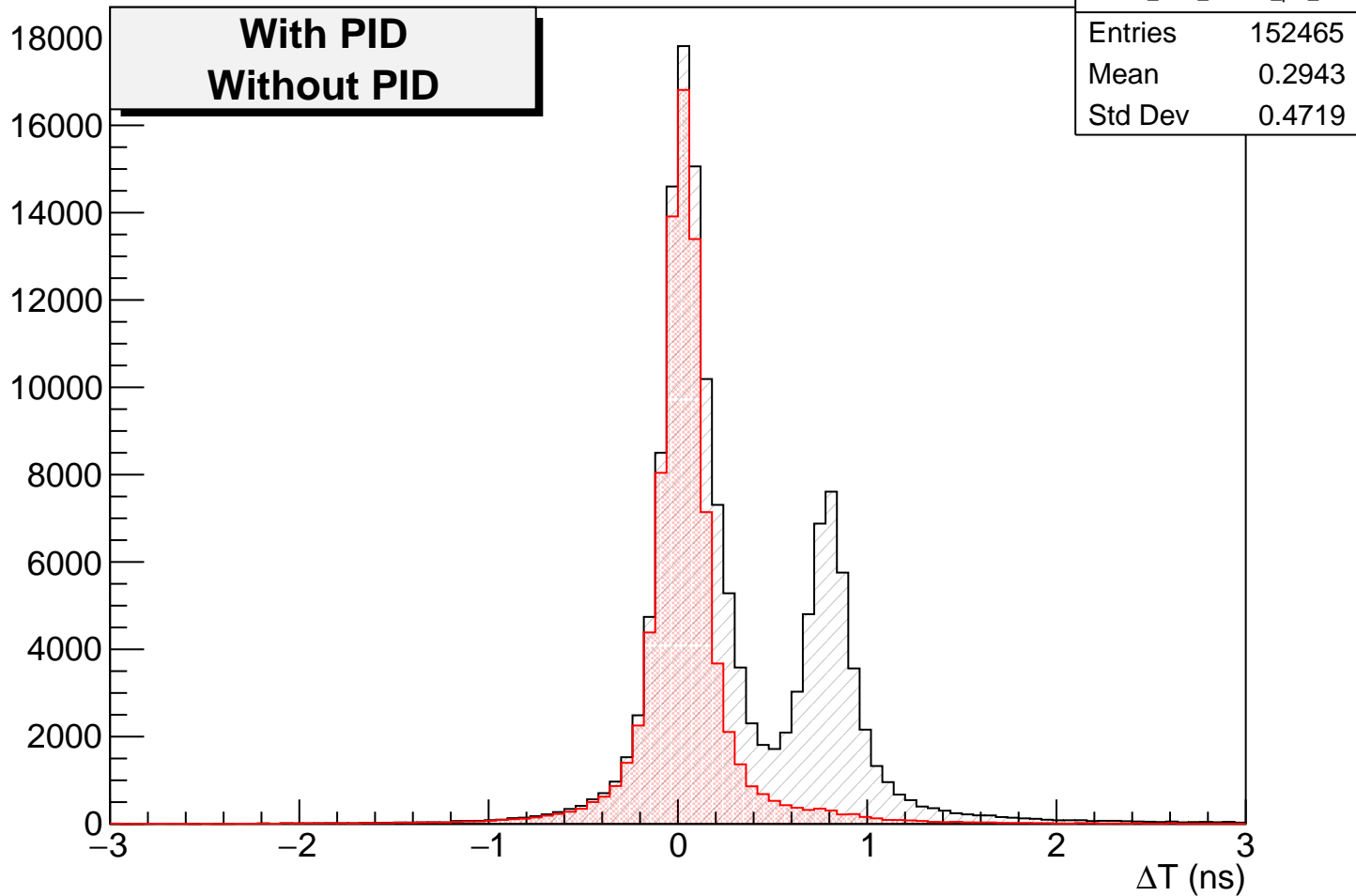
Momentum range [3.55, 3.60] GeV (Without PID)

Counts



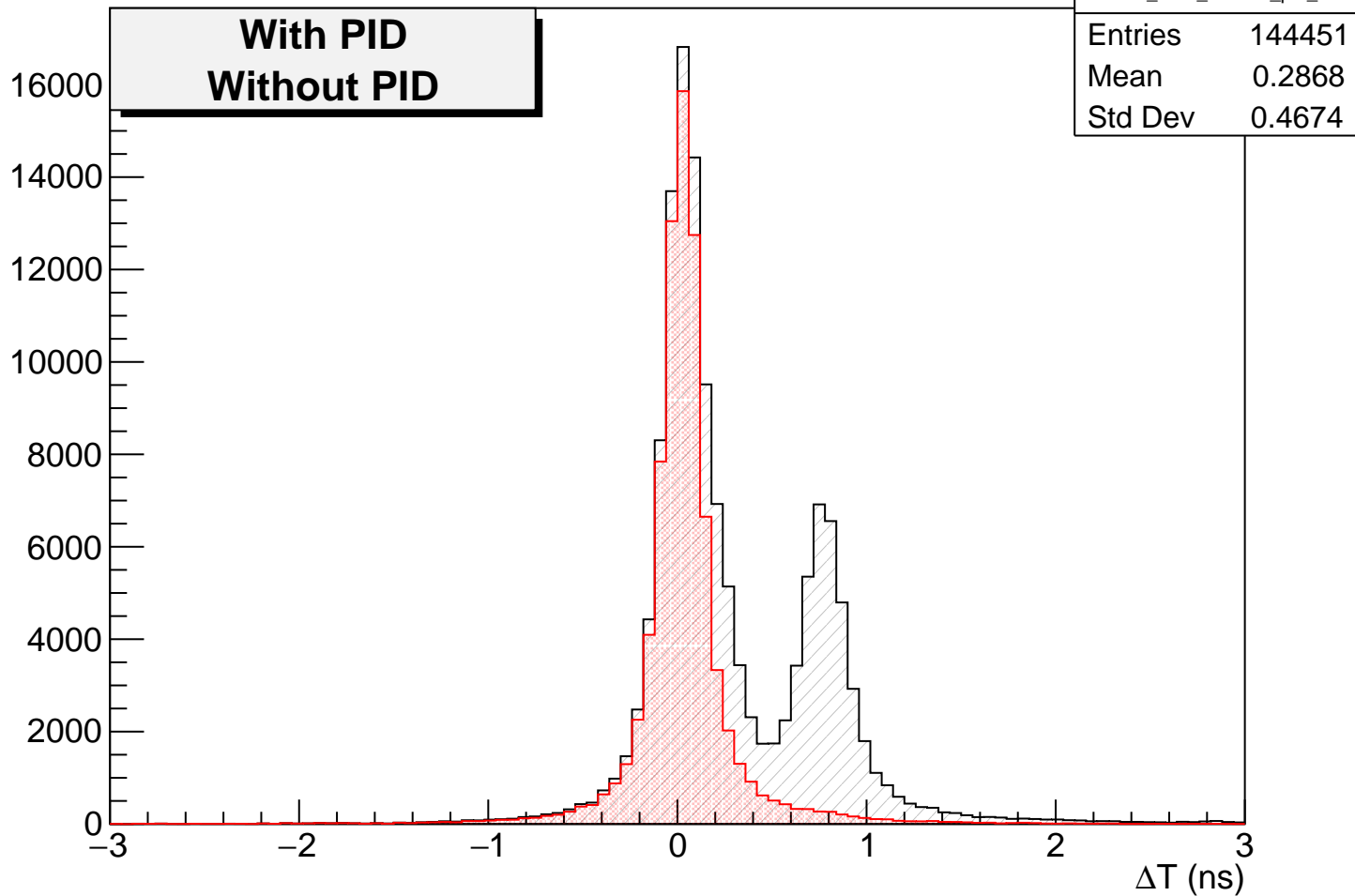
Momentum range [3.60, 3.65] GeV (Without PID)

Counts



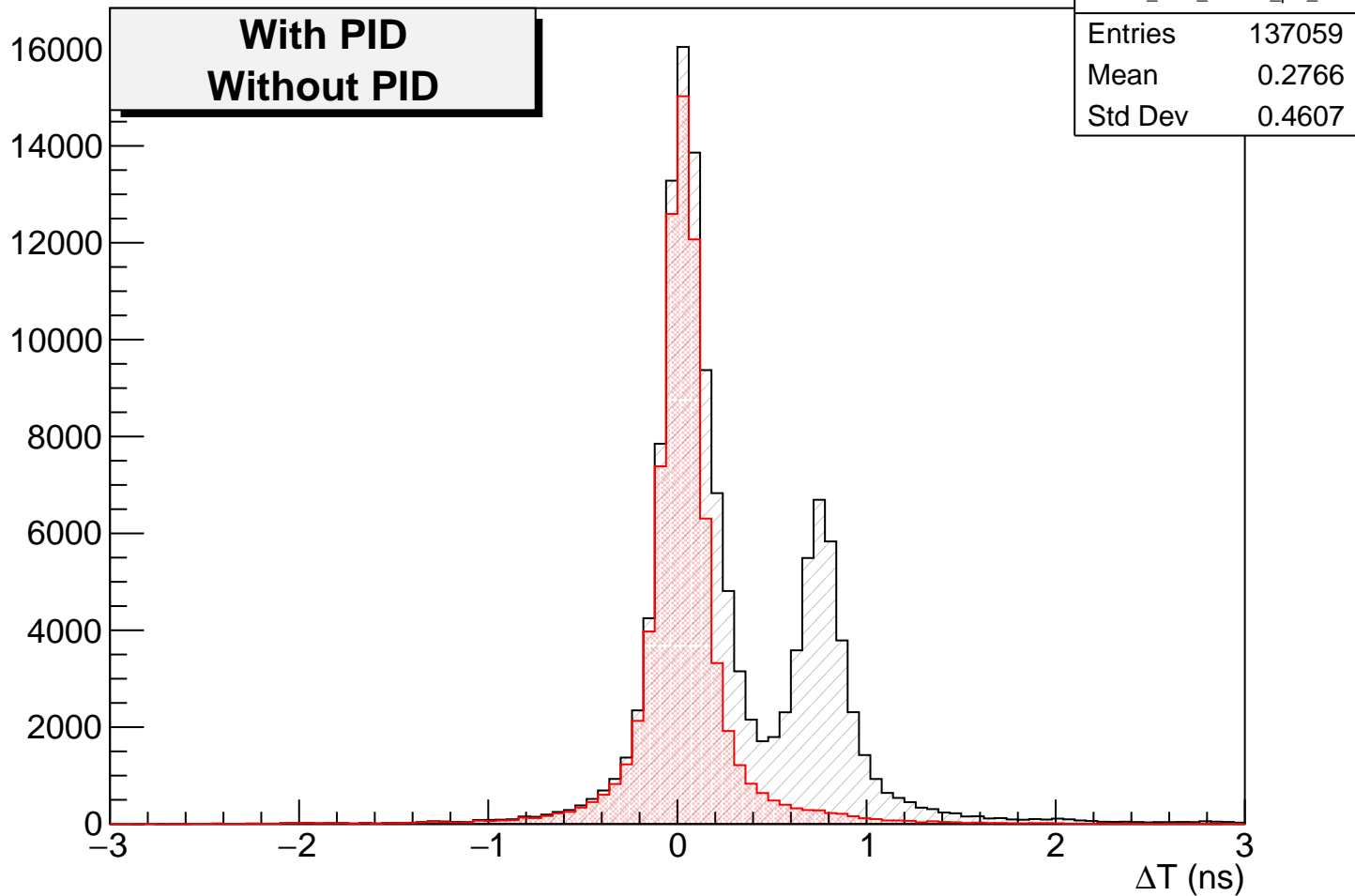
Momentum range [3.65, 3.70] GeV (Without PID)

Counts



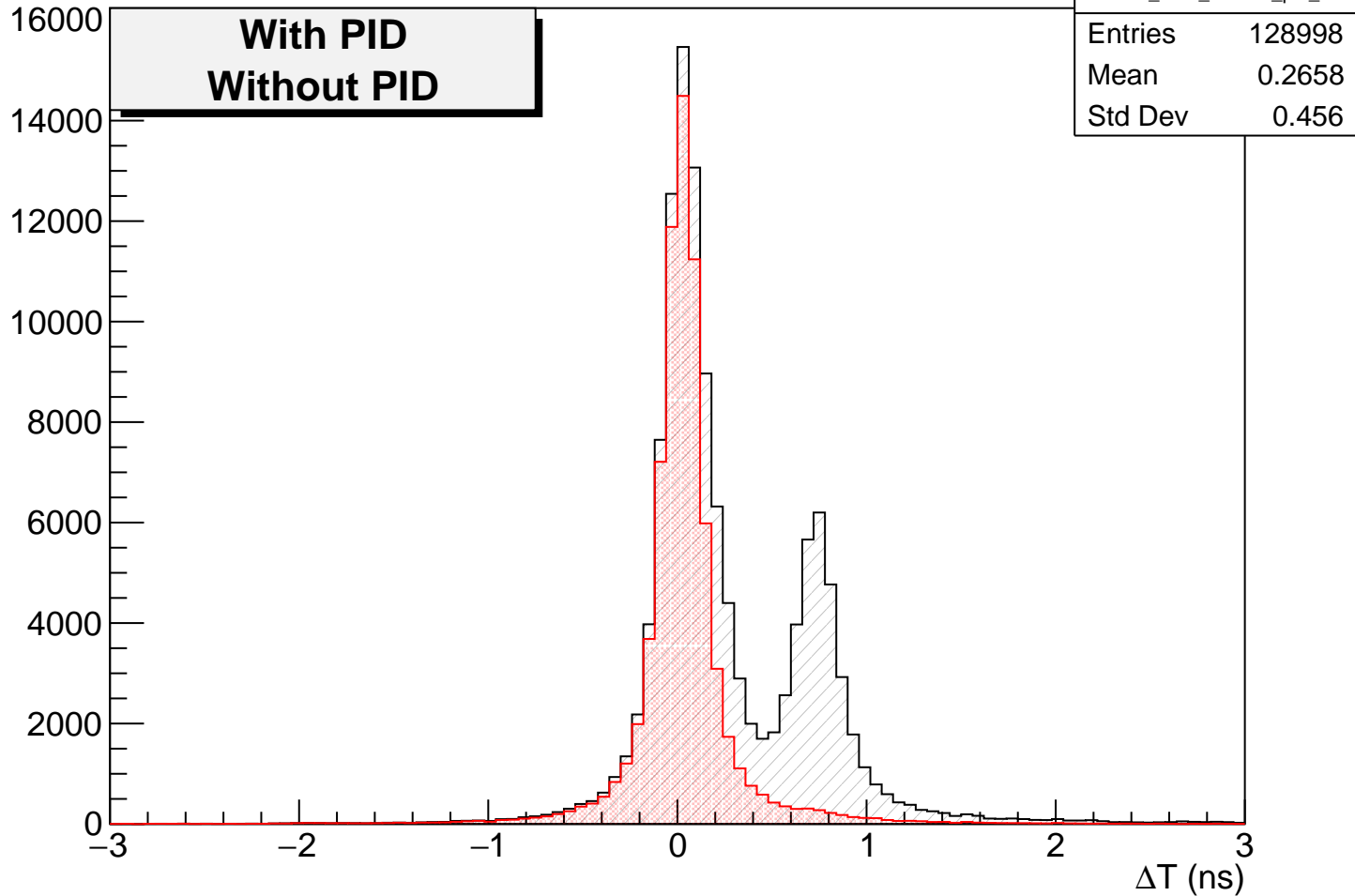
Momentum range [3.70, 3.75] GeV (Without PID)

Counts



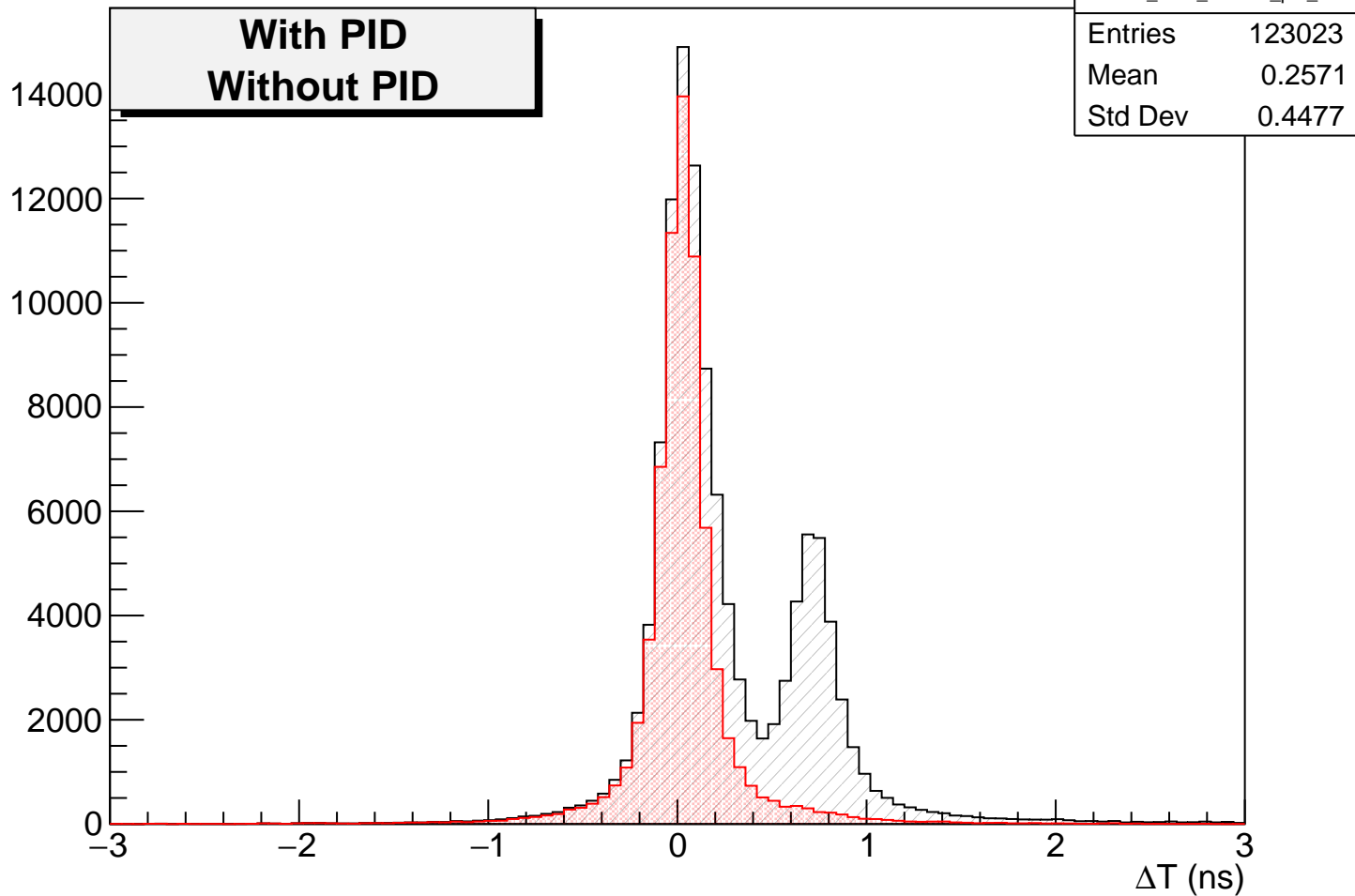
Momentum range [3.75, 3.80] GeV (Without PID)

Counts



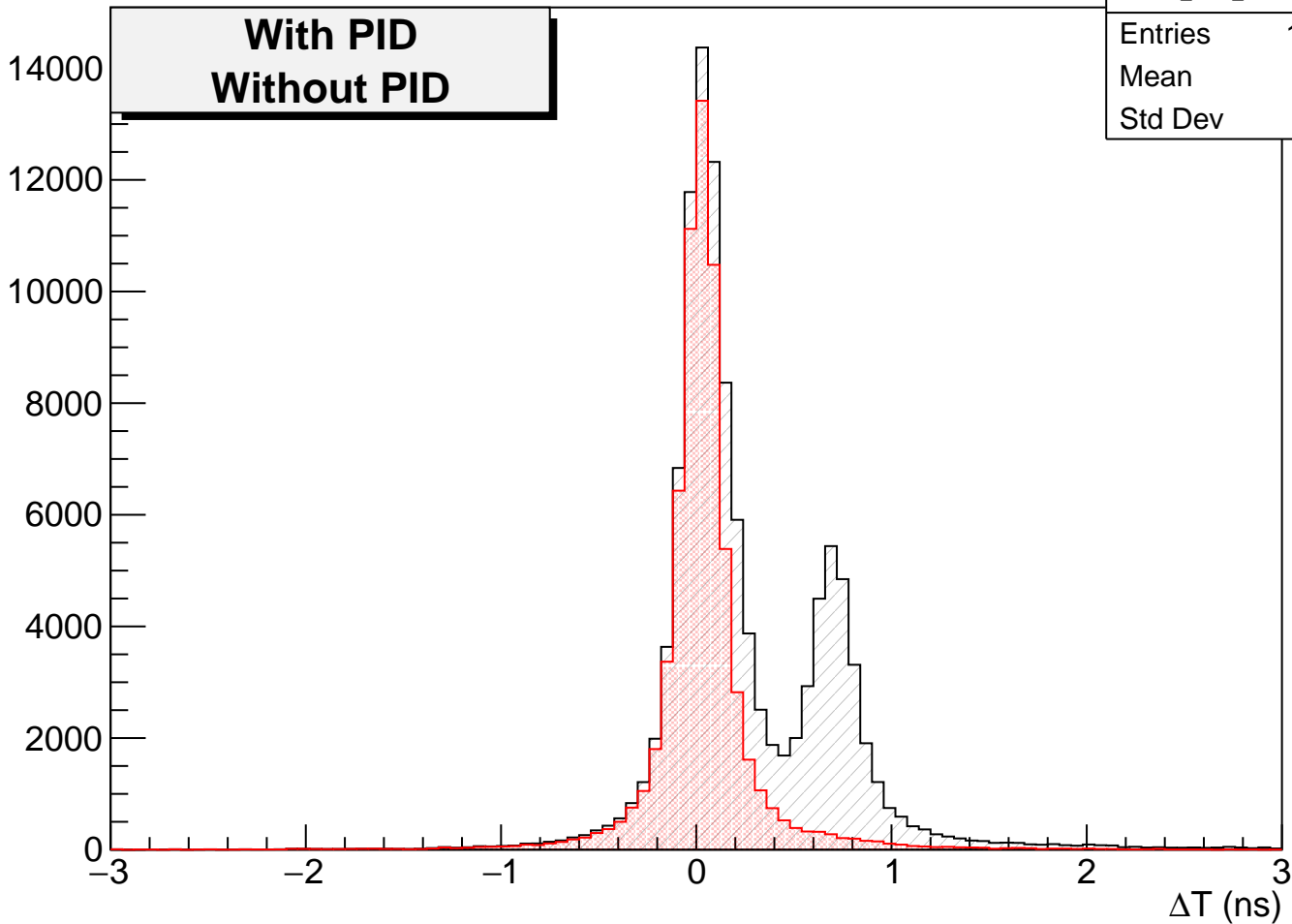
Momentum range [3.80, 3.85] GeV (Without PID)

Counts



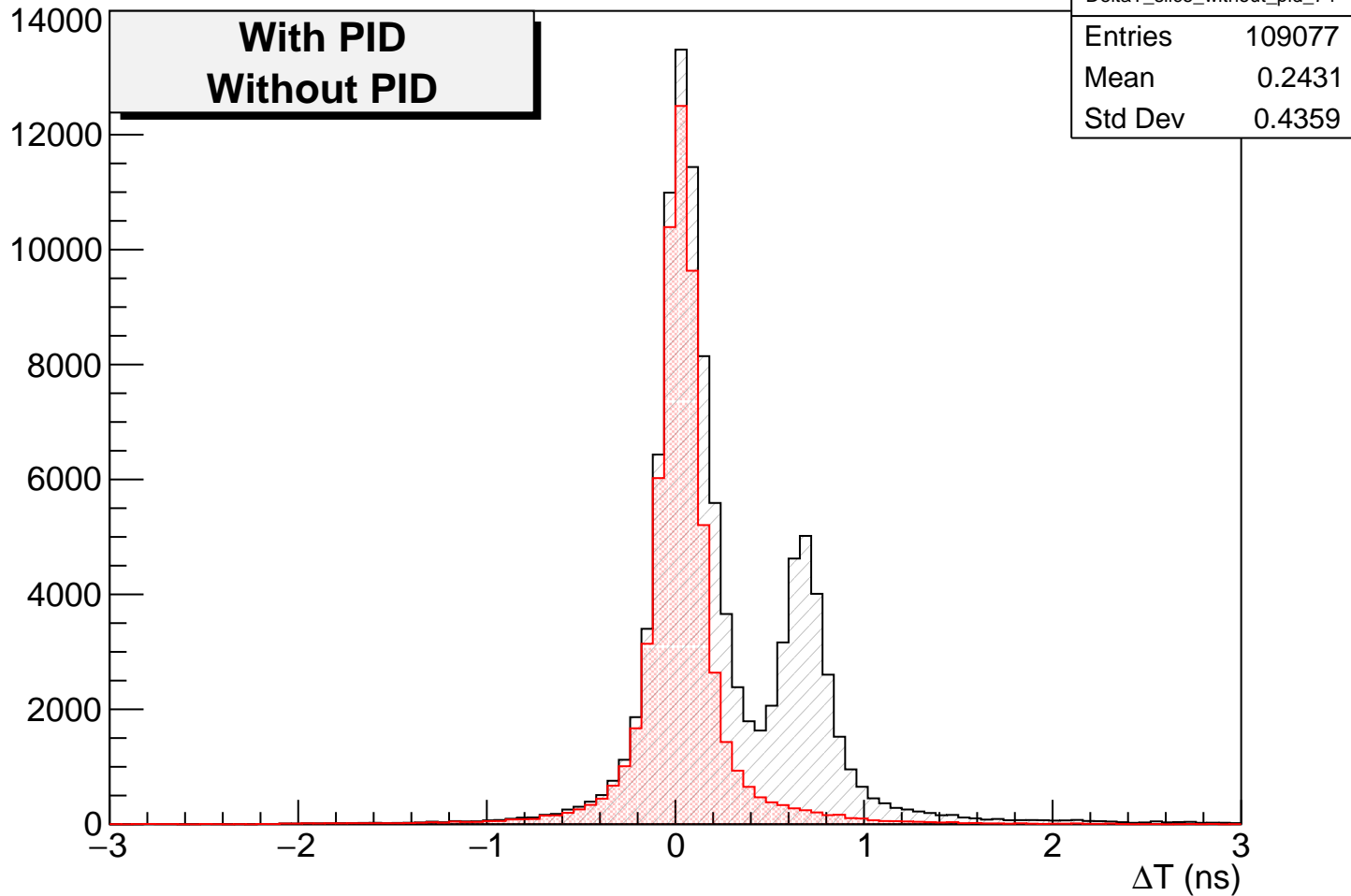
Momentum range [3.85, 3.90] GeV (Without PID)

Counts



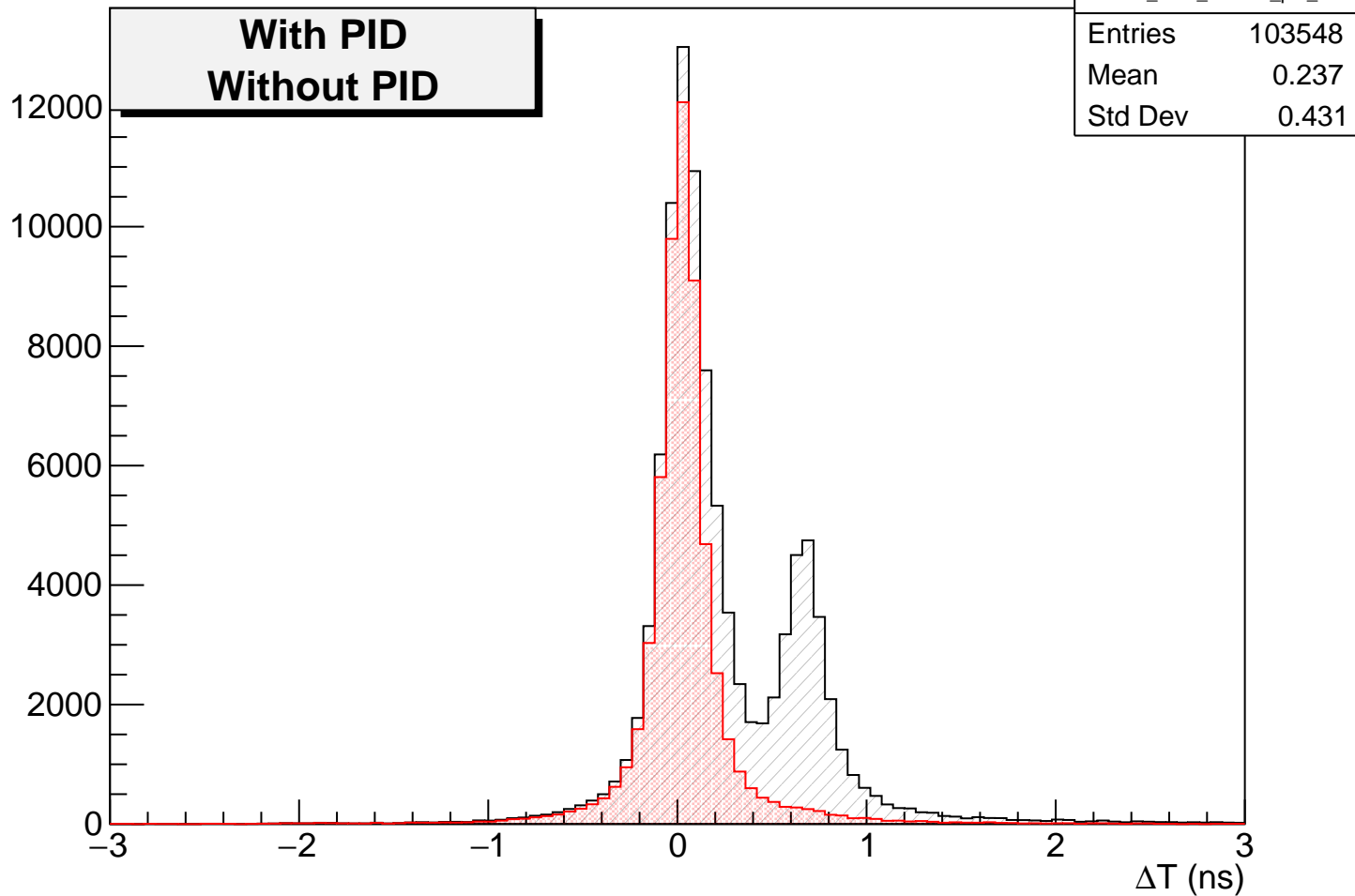
Momentum range [3.90, 3.95] GeV (Without PID)

Counts



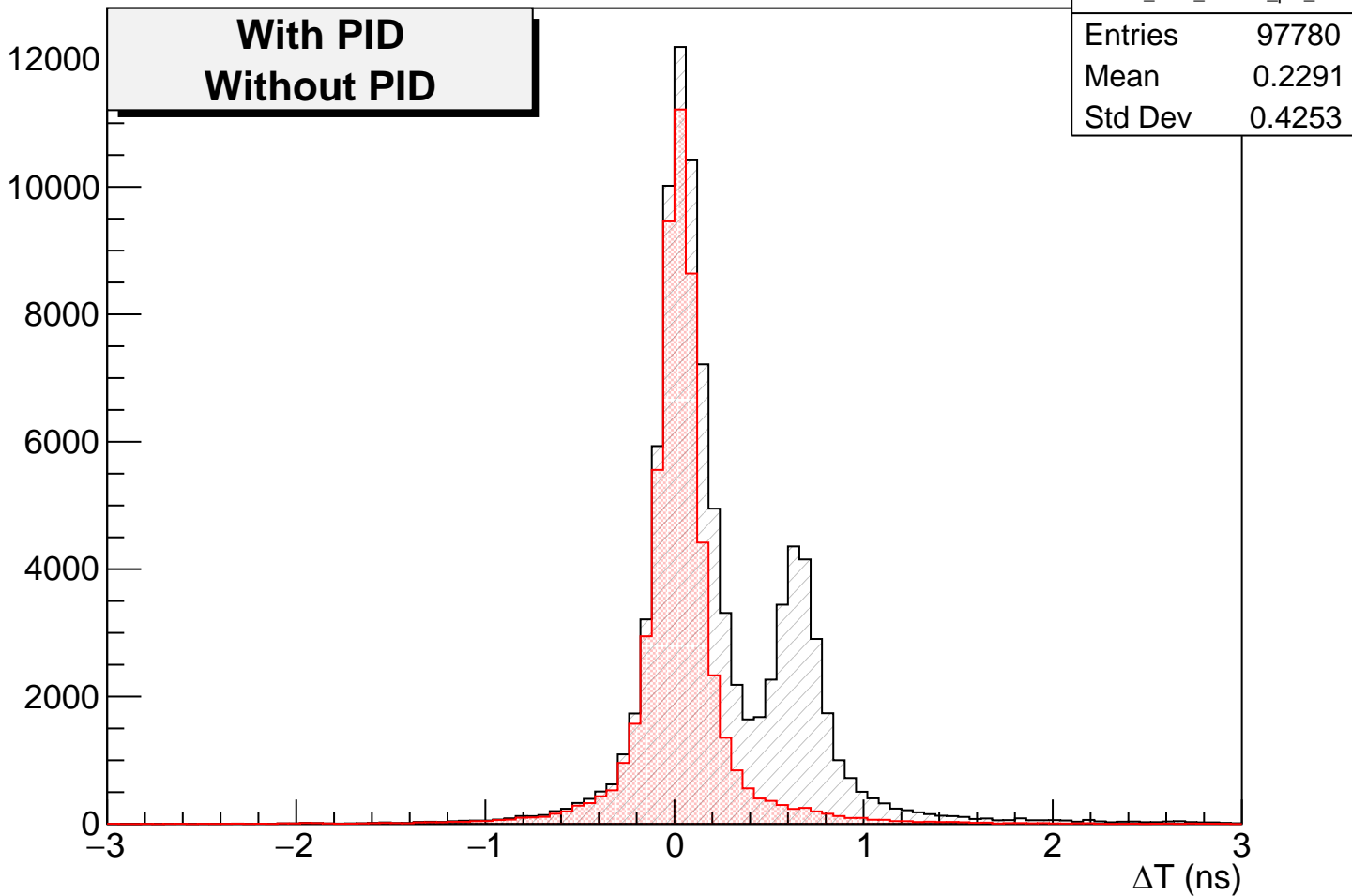
Momentum range [3.95, 4.00] GeV (Without PID)

Counts



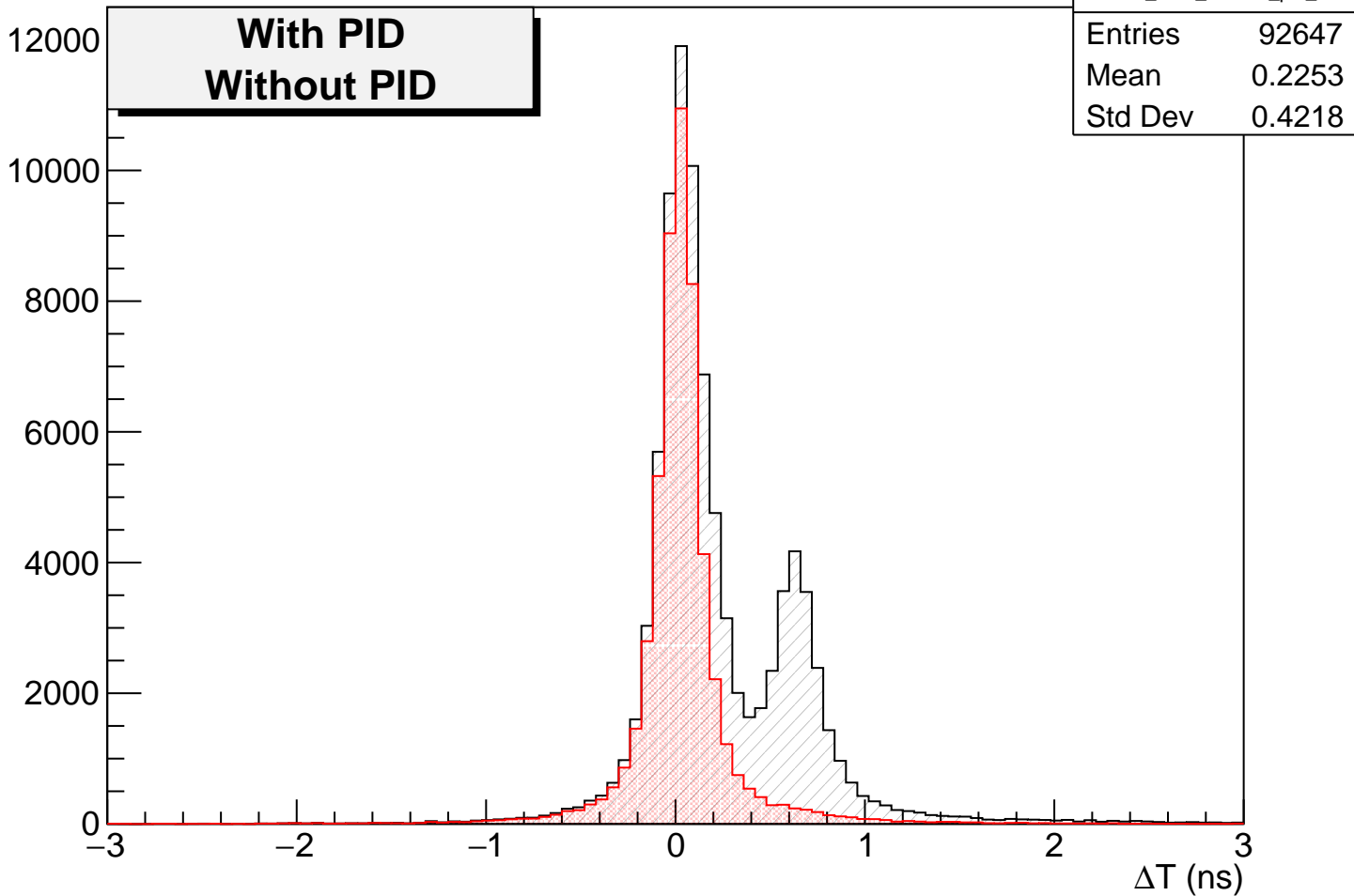
Momentum range [4.00, 4.05] GeV (Without PID)

Counts



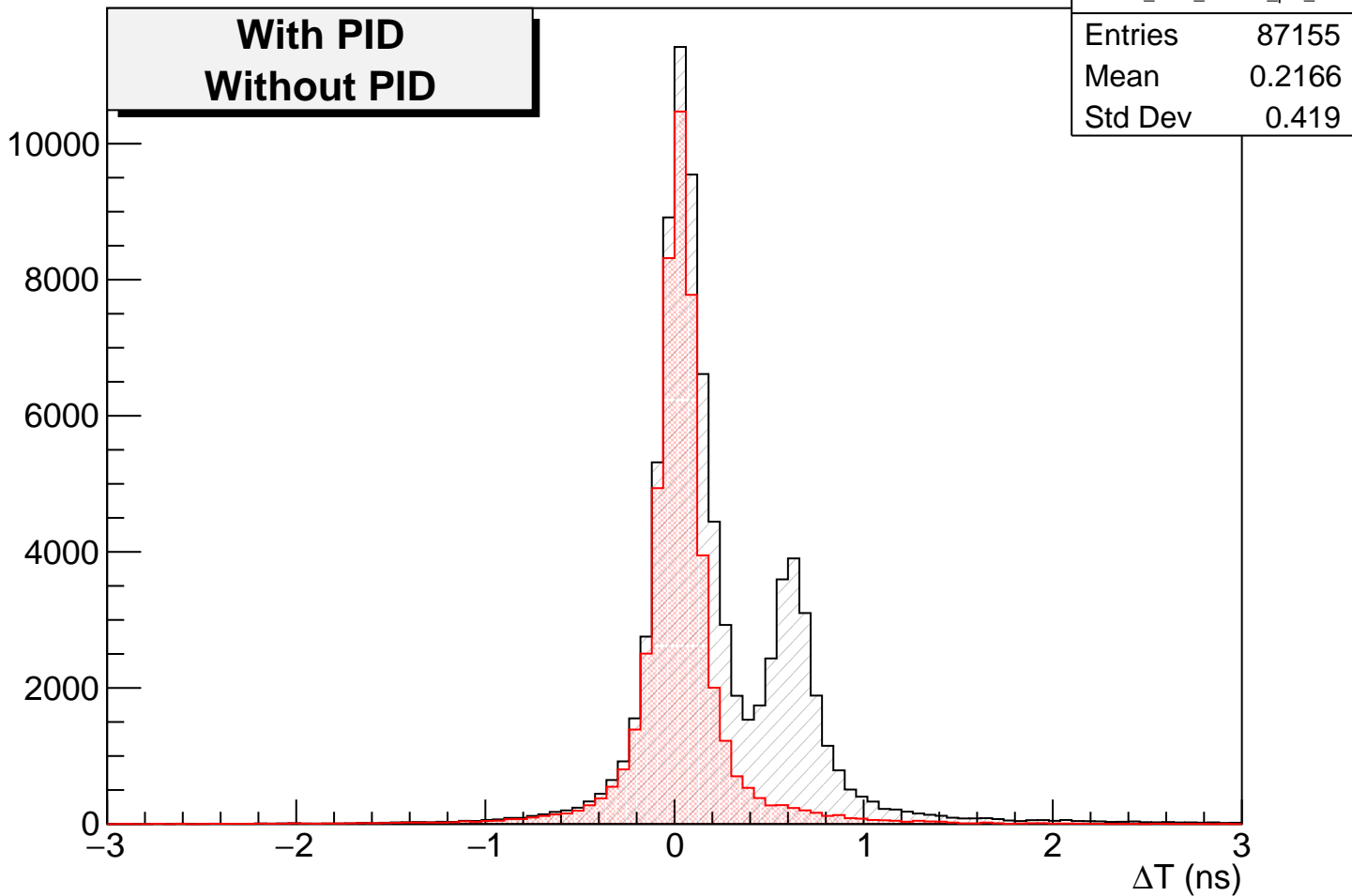
Momentum range [4.05, 4.10] GeV (Without PID)

Counts



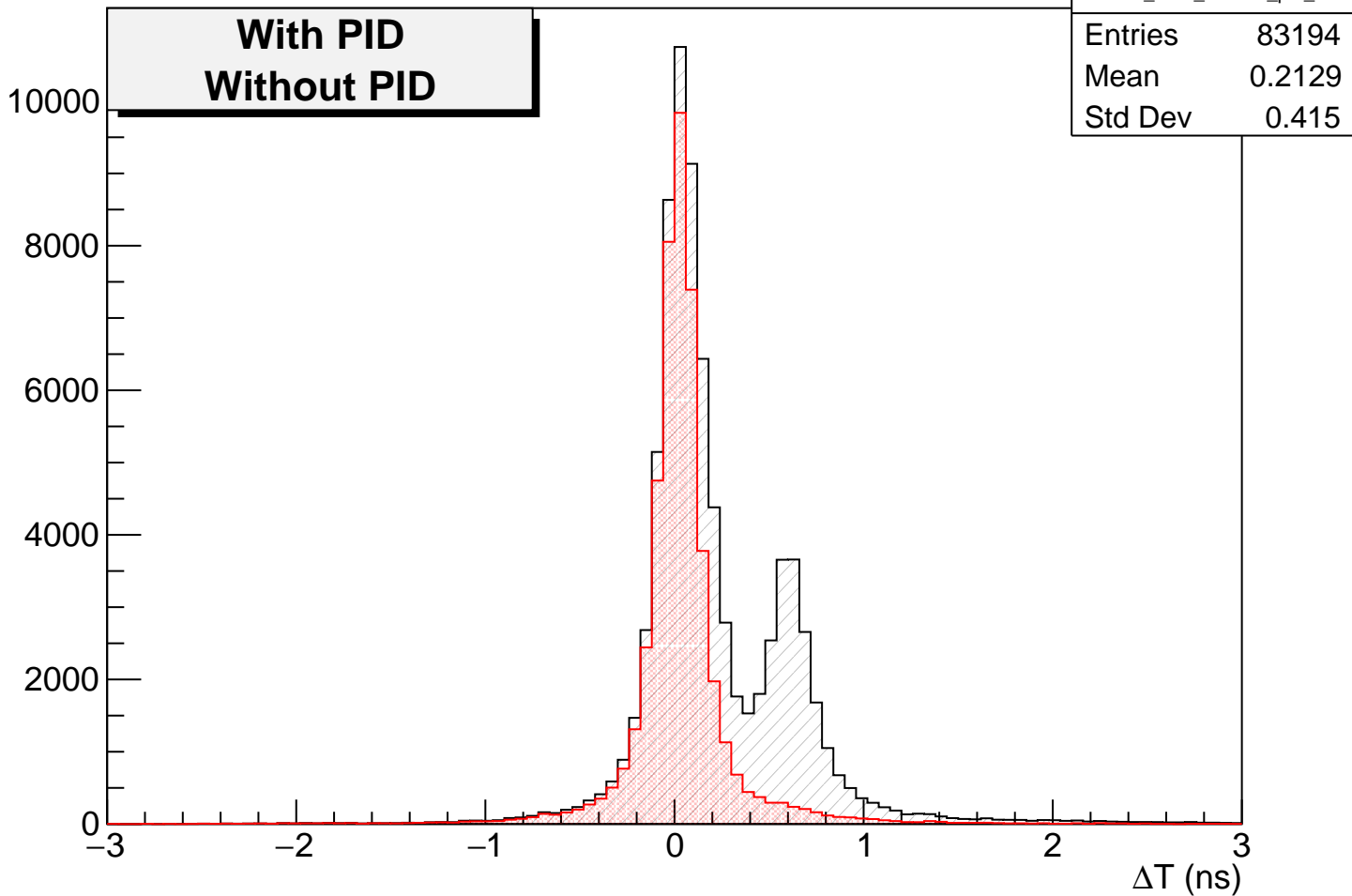
Momentum range [4.10, 4.15] GeV (Without PID)

Counts



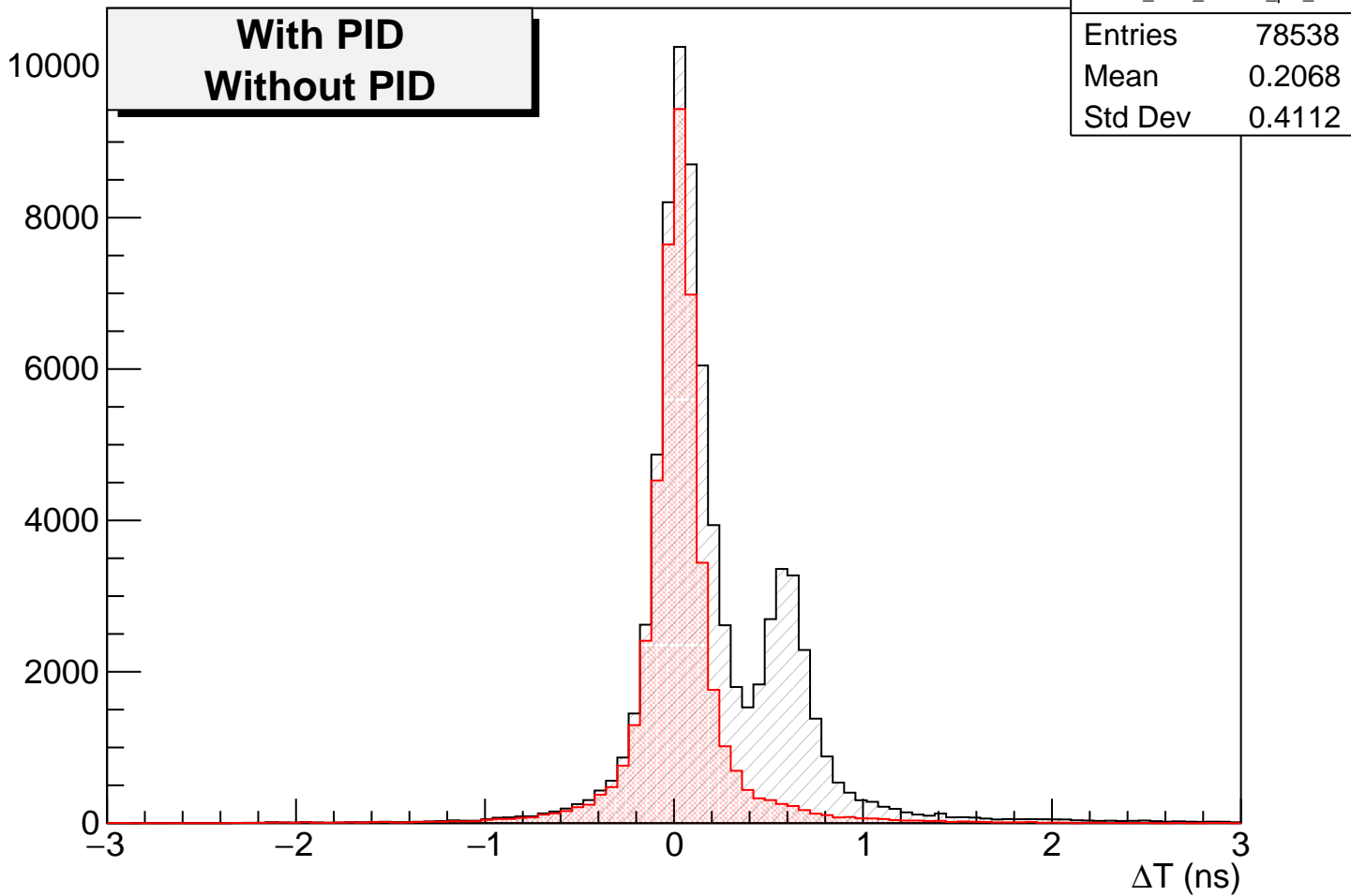
Momentum range [4.15, 4.20] GeV (Without PID)

Counts



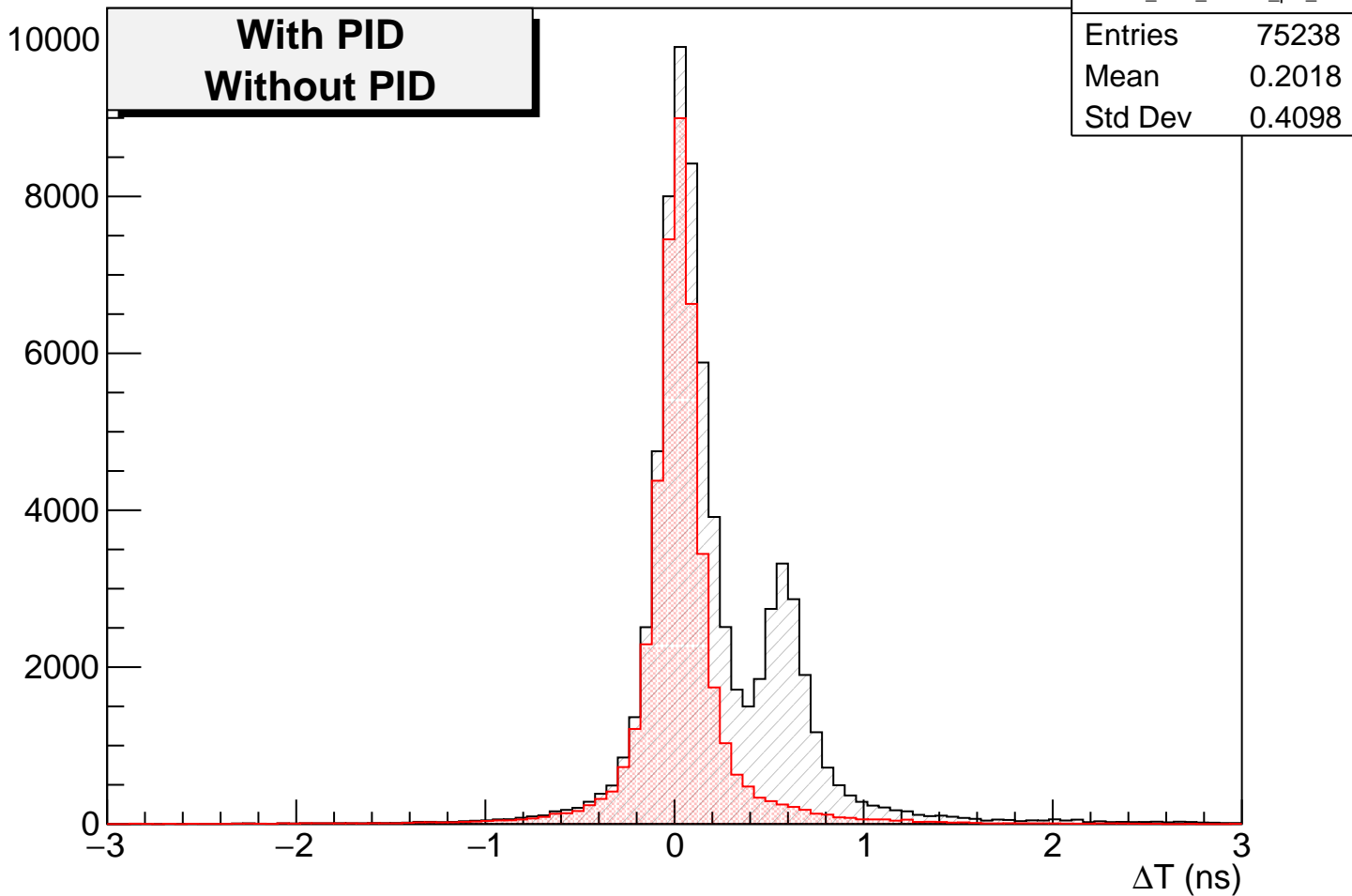
Momentum range [4.20, 4.25] GeV (Without PID)

Counts



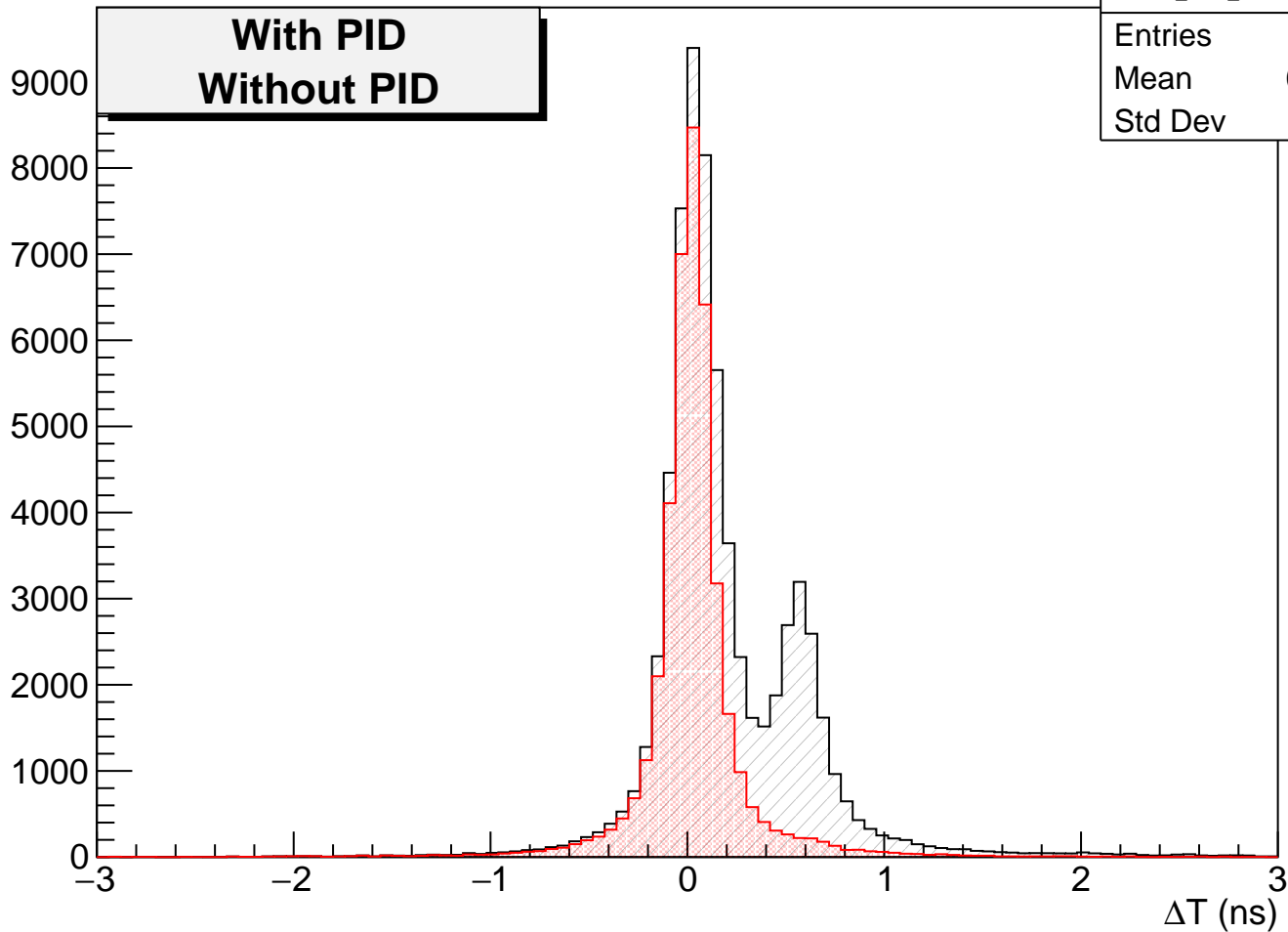
Momentum range [4.25, 4.30] GeV (Without PID)

Counts

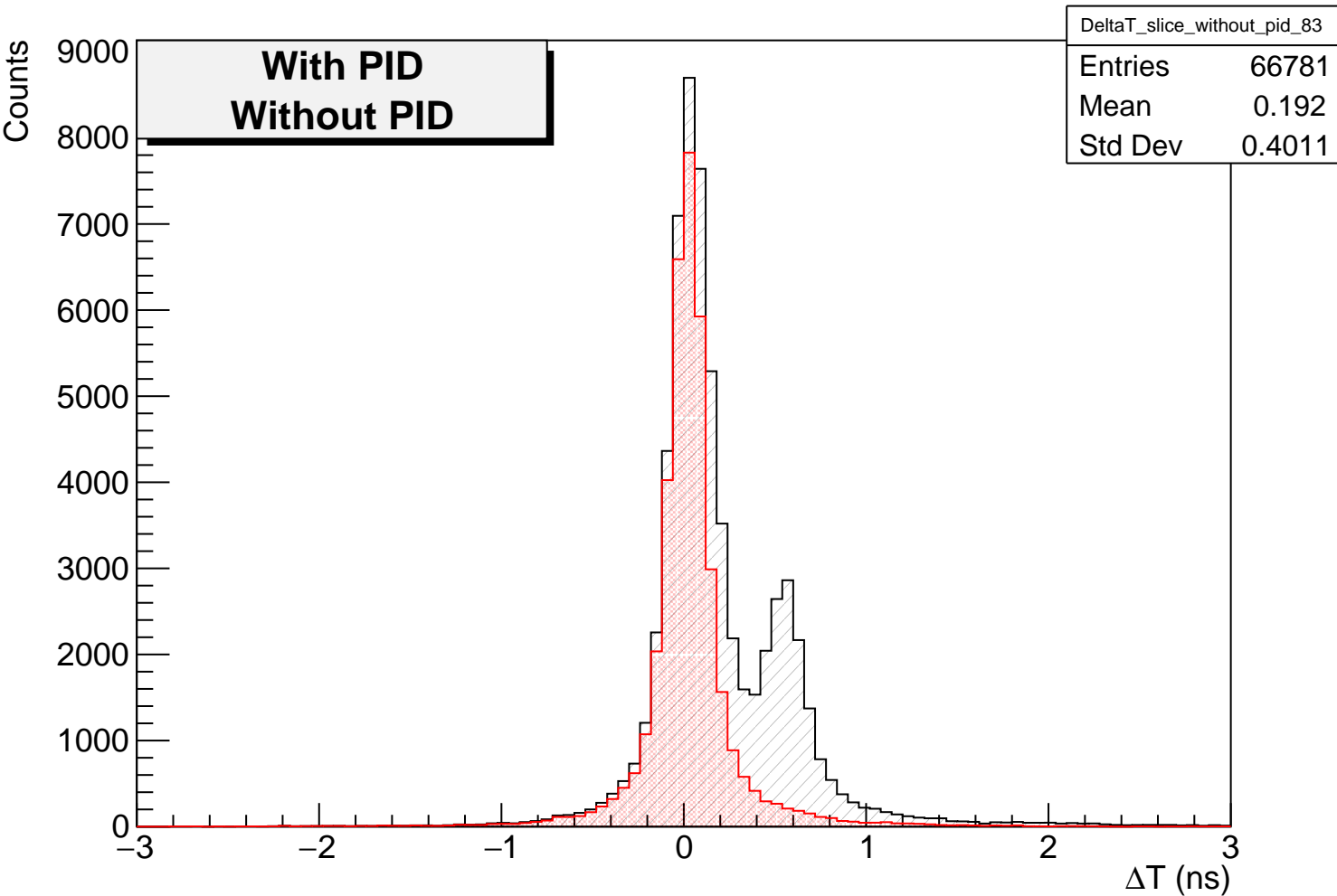


Momentum range [4.30, 4.35] GeV (Without PID)

Counts

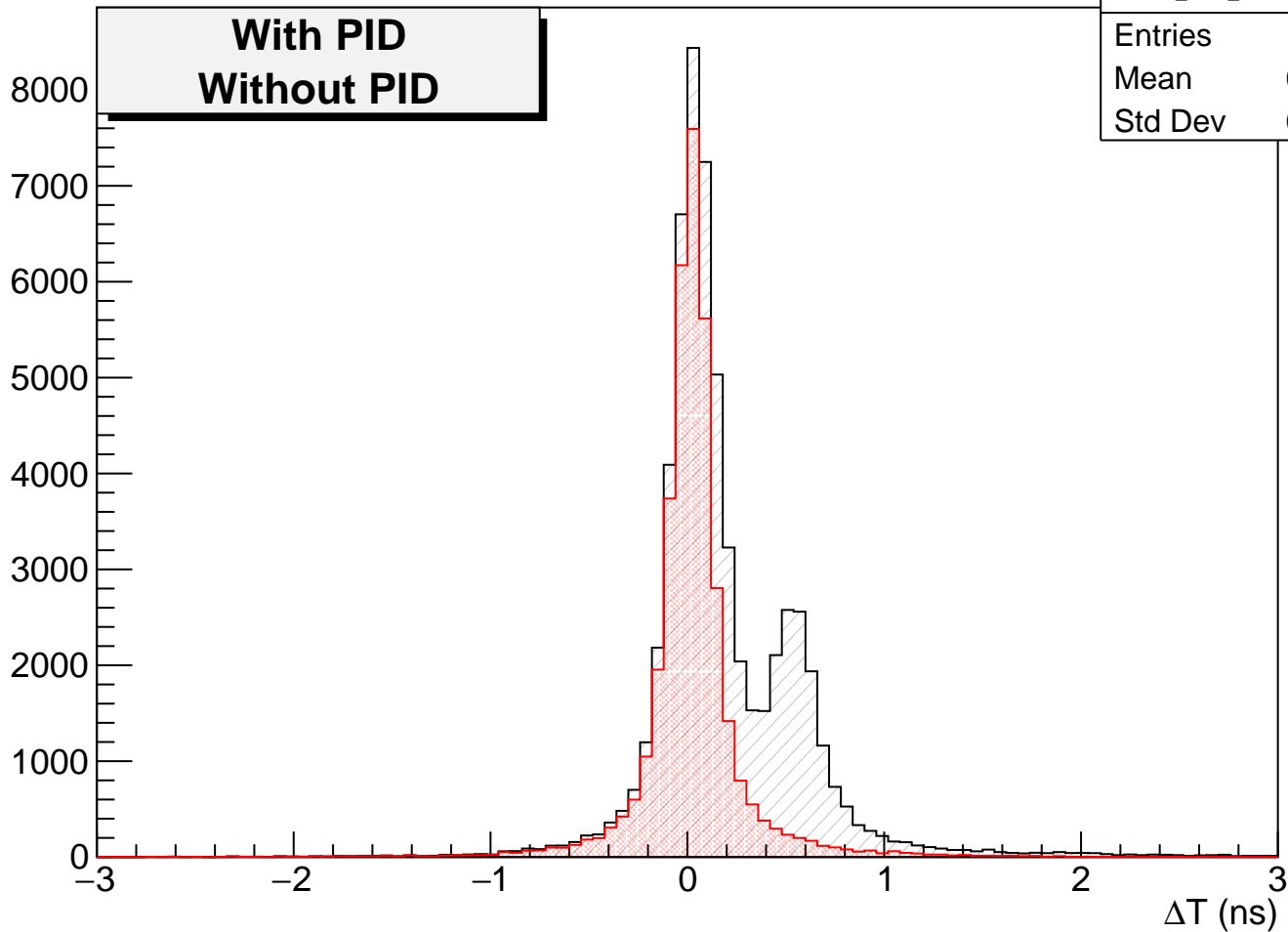


Momentum range [4.35, 4.40] GeV (Without PID)



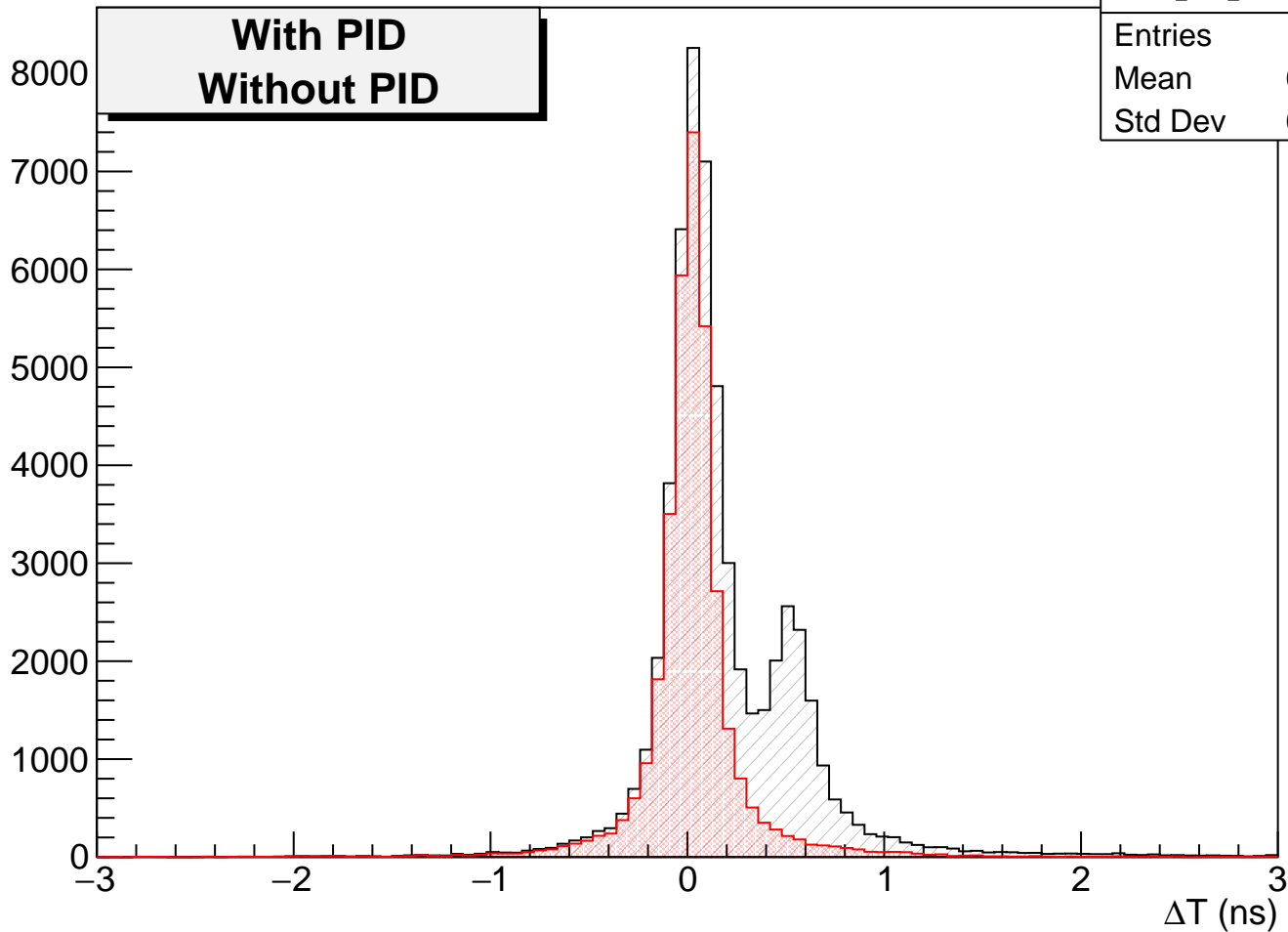
Momentum range [4.40, 4.45] GeV (Without PID)

Counts



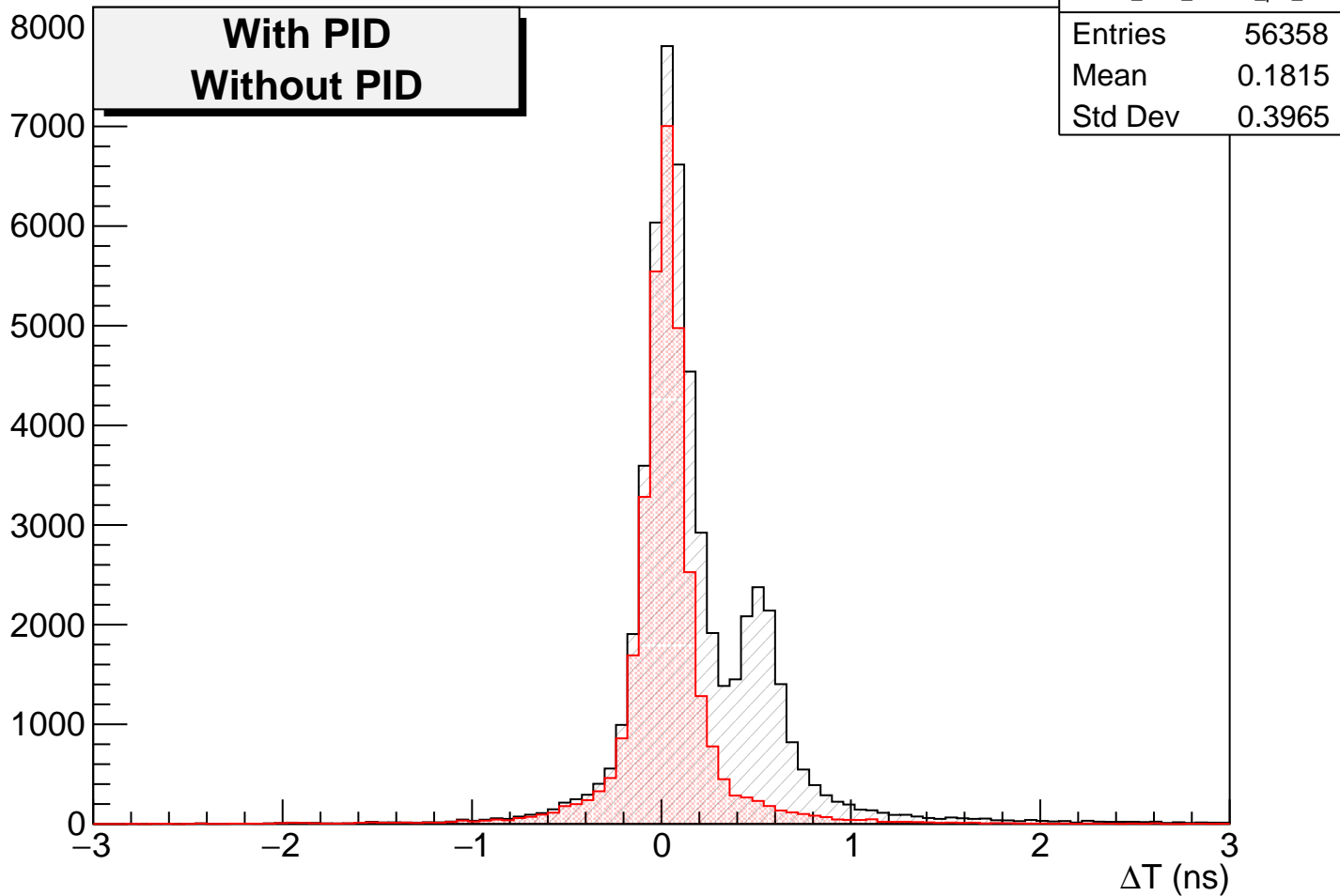
Momentum range [4.45, 4.50] GeV (Without PID)

Counts



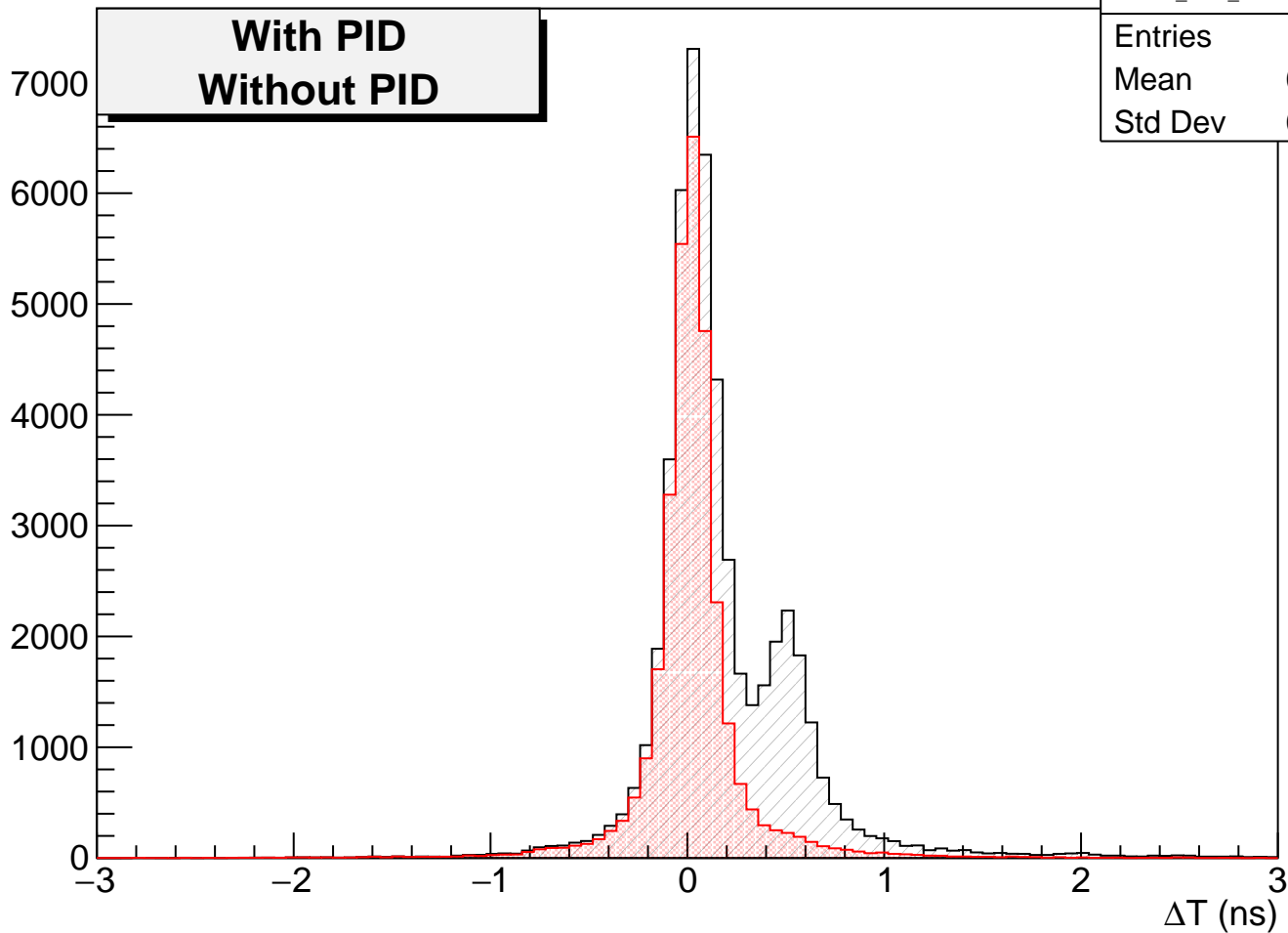
Momentum range [4.50, 4.55] GeV (Without PID)

Counts



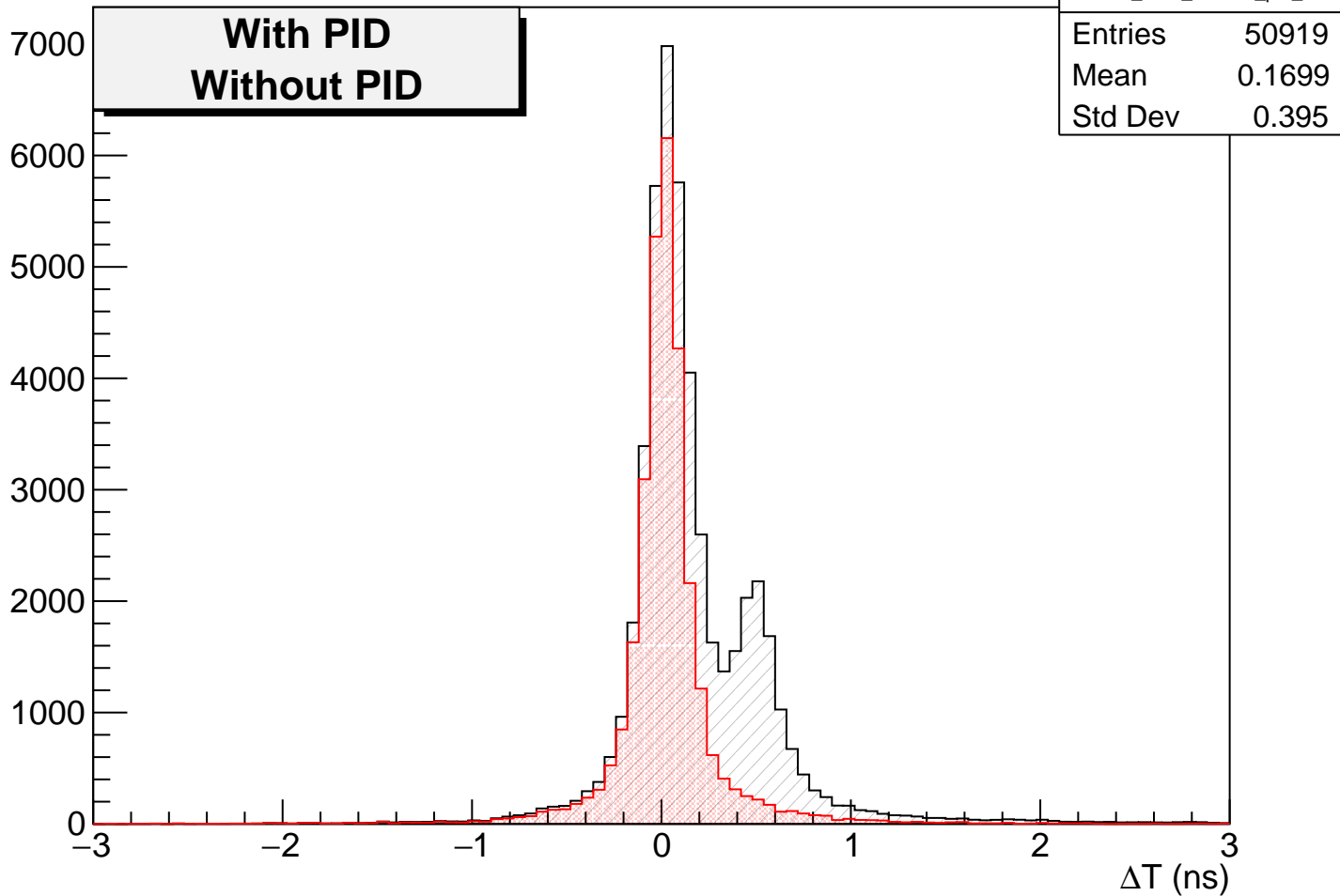
Momentum range [4.55, 4.60] GeV (Without PID)

Counts

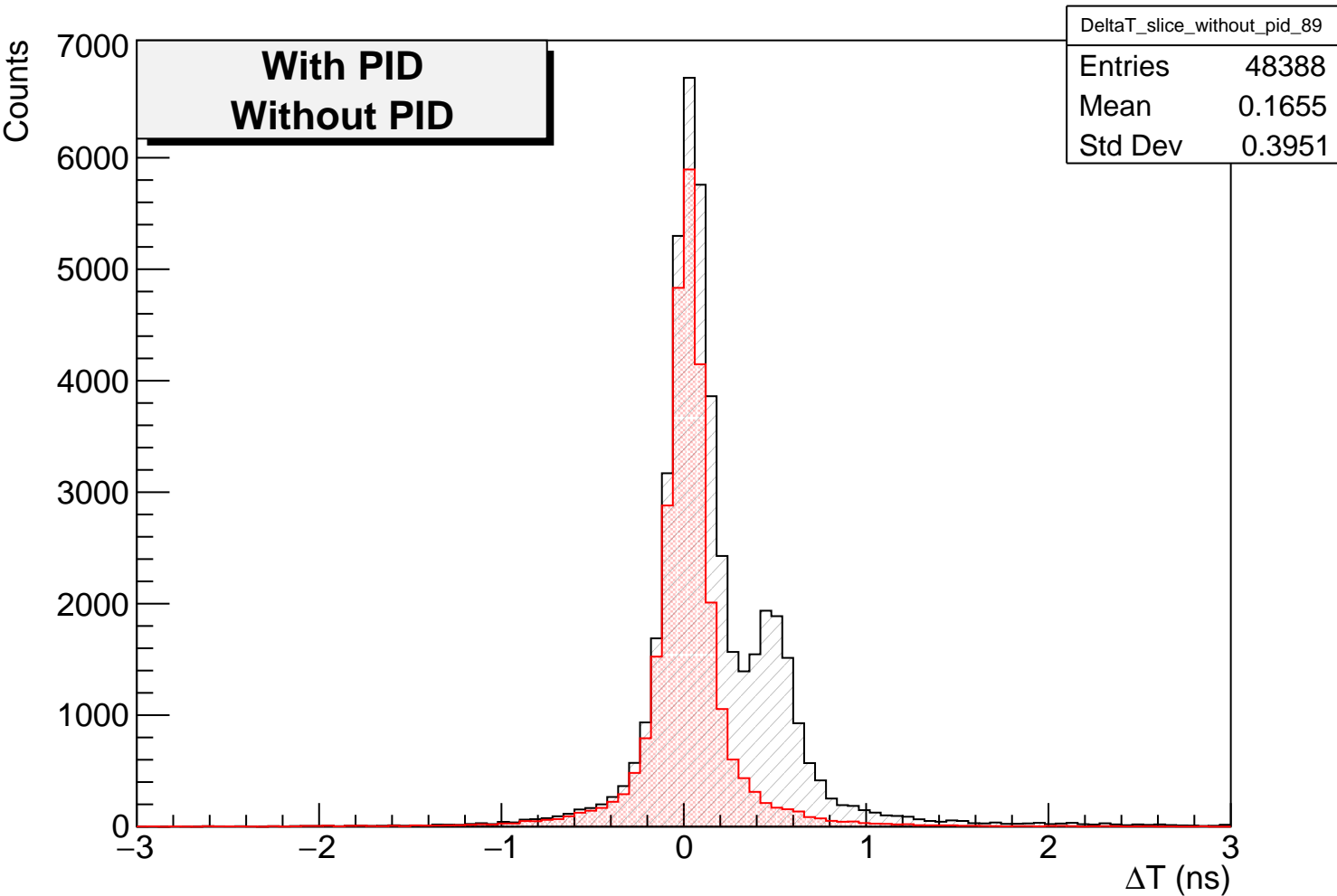


Momentum range [4.60, 4.65] GeV (Without PID)

Counts

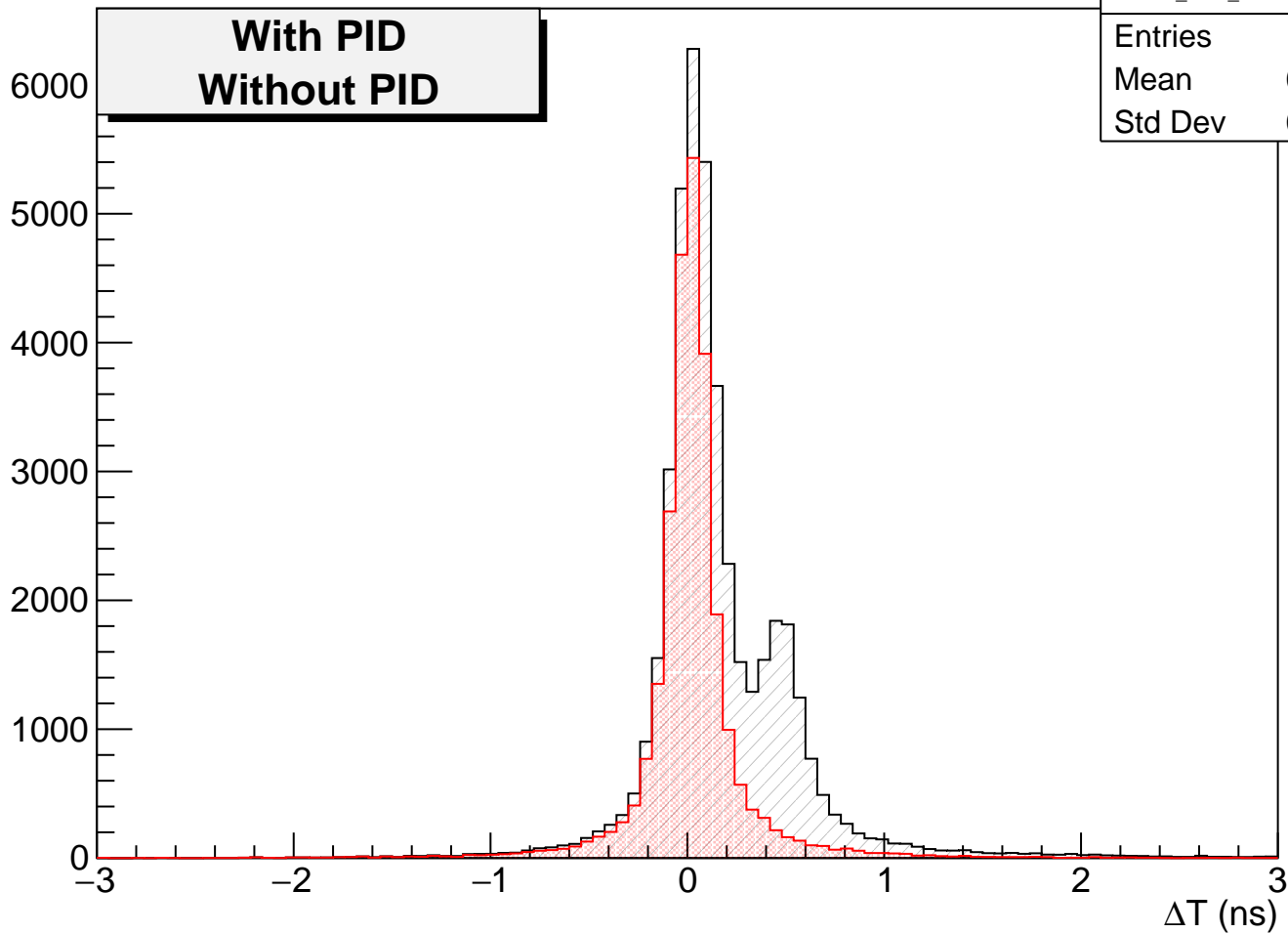


Momentum range [4.65, 4.70] GeV (Without PID)



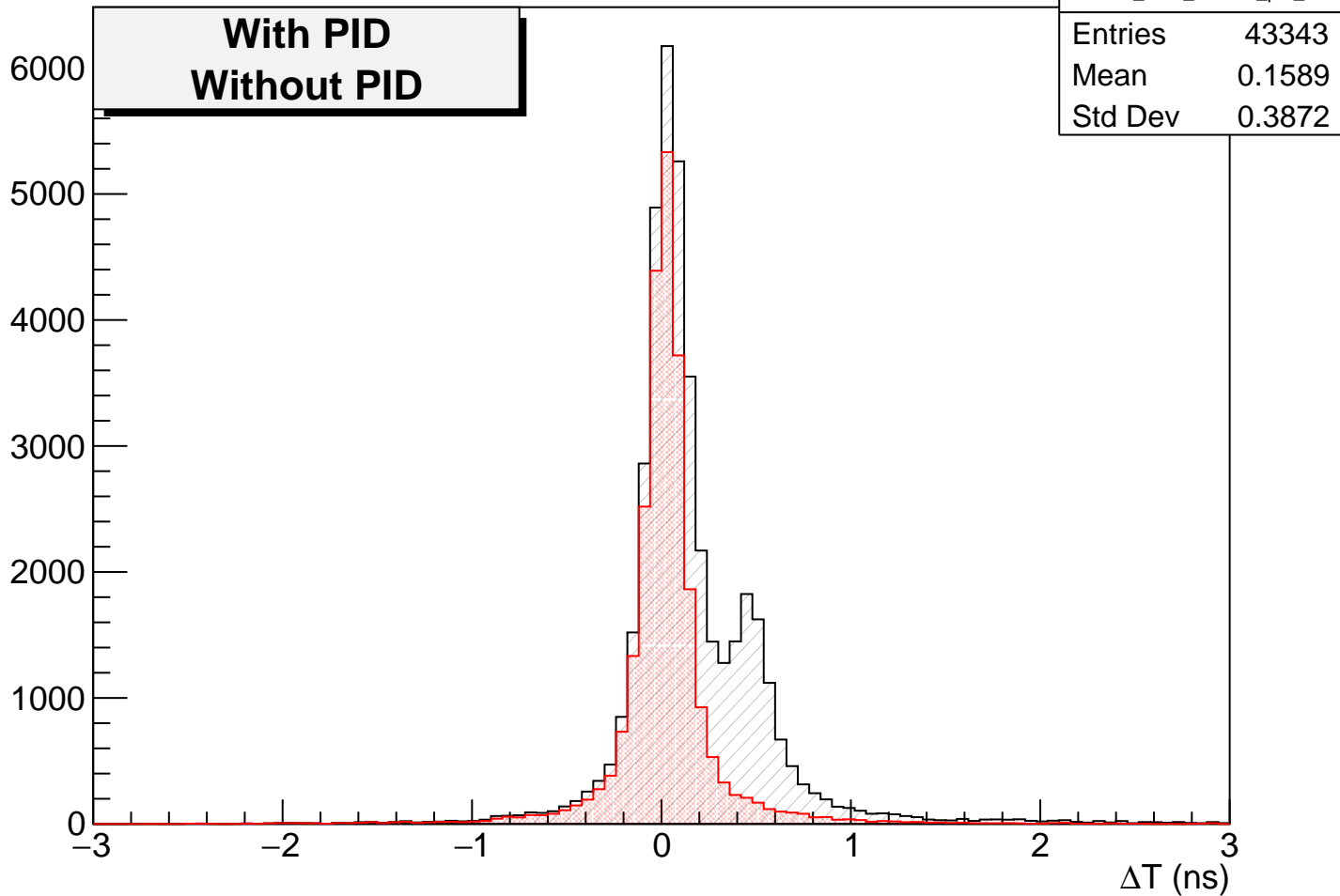
Momentum range [4.70, 4.75] GeV (Without PID)

Counts



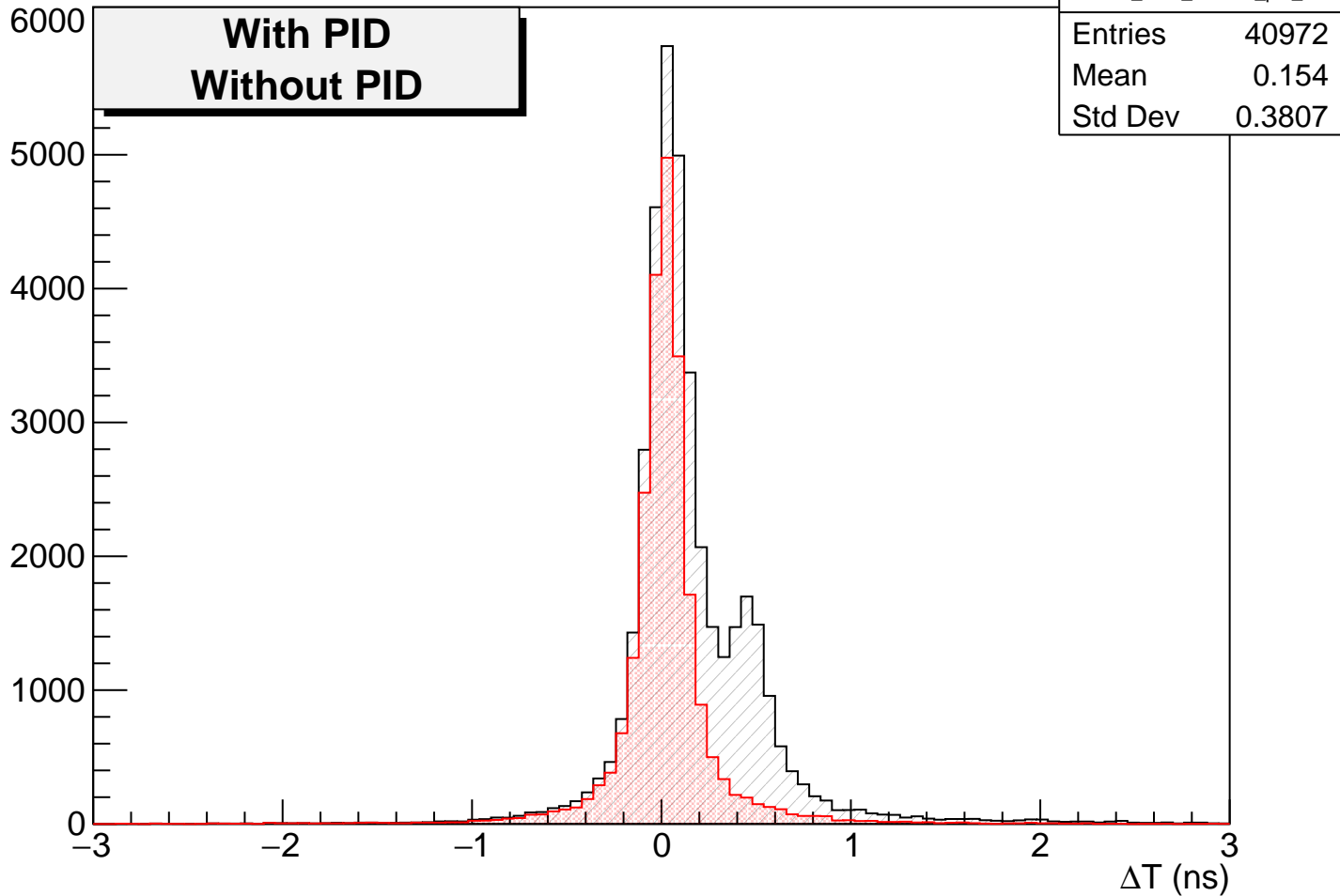
Momentum range [4.75, 4.80] GeV (Without PID)

Counts



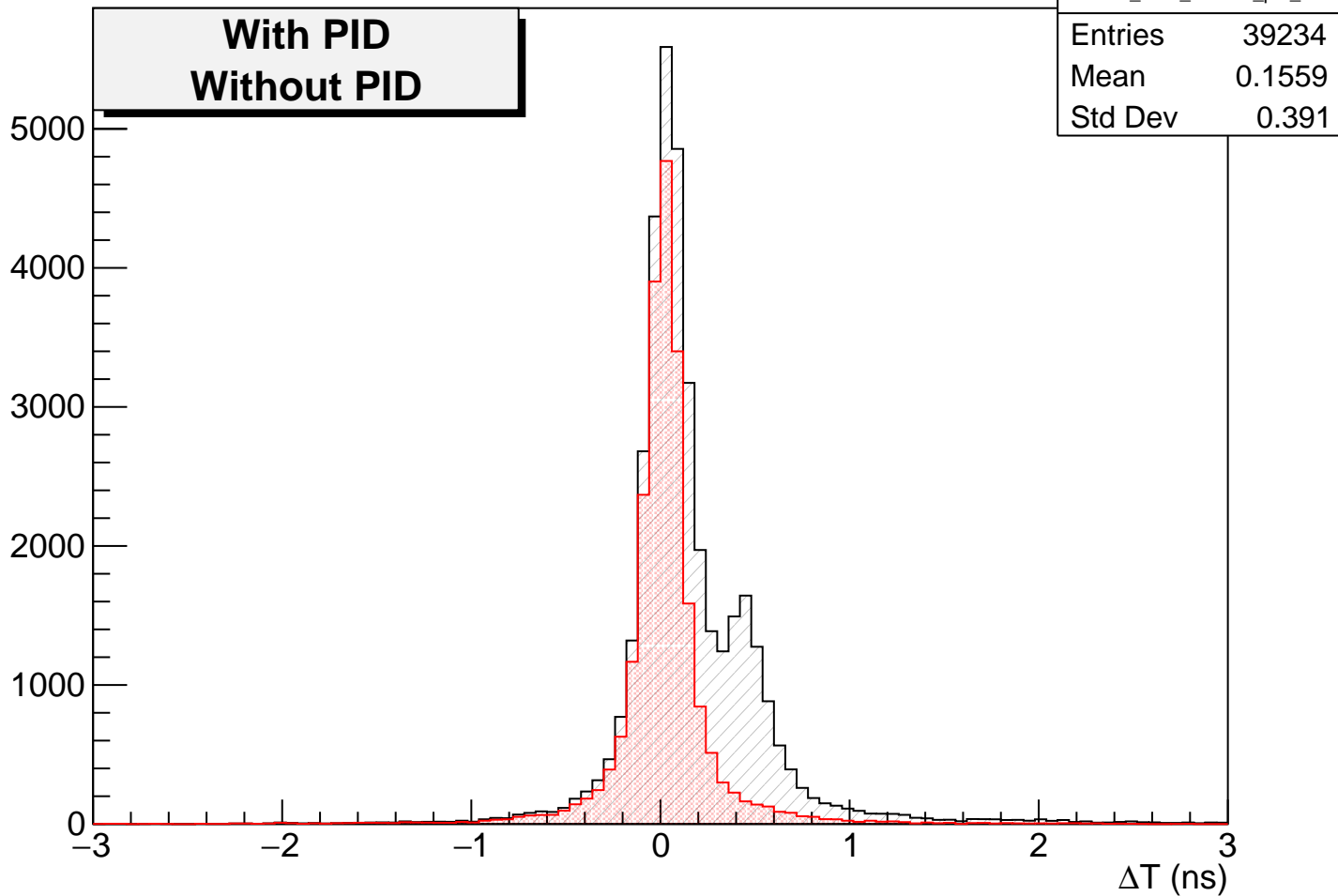
Momentum range [4.80, 4.85] GeV (Without PID)

Counts



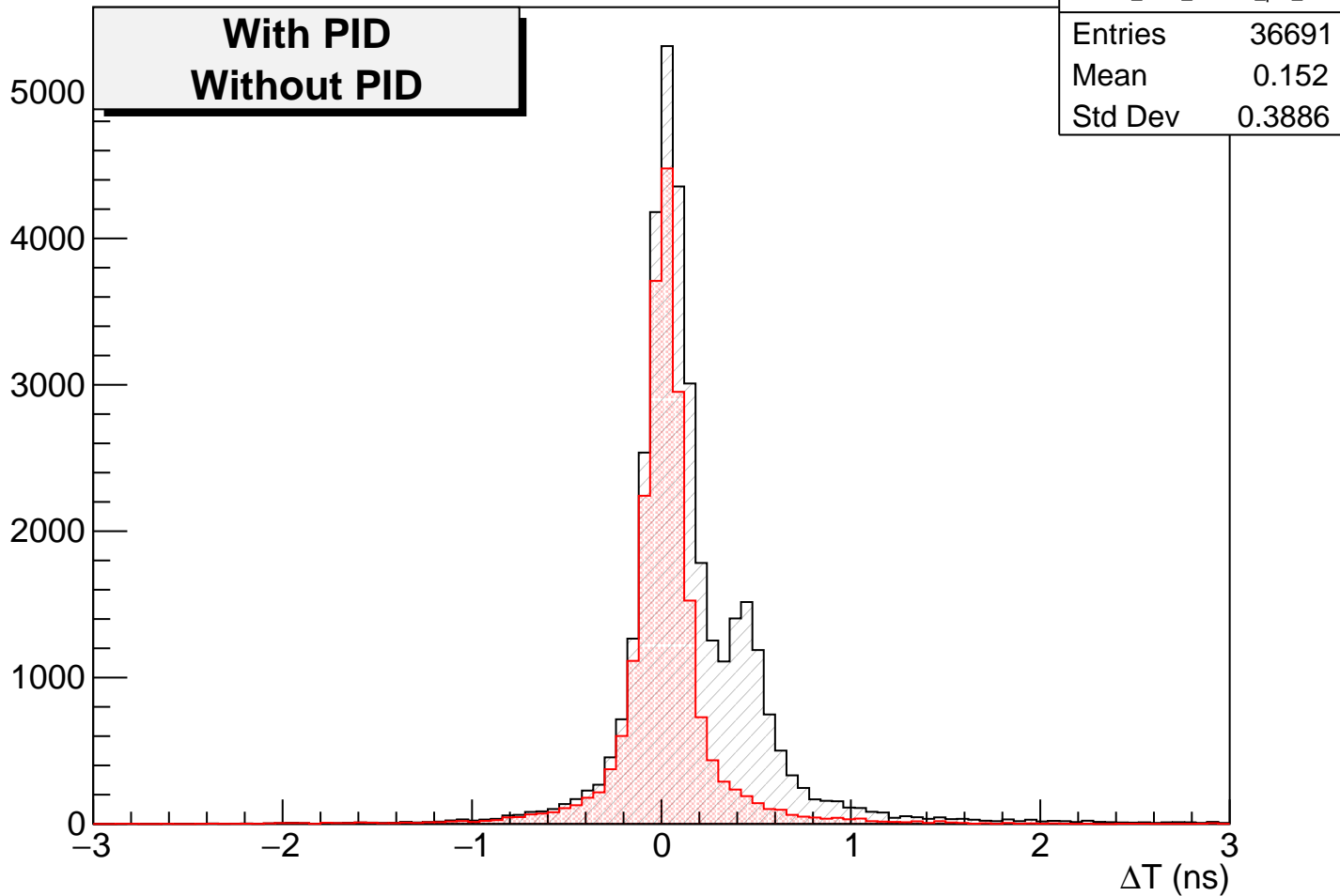
Momentum range [4.85, 4.90] GeV (Without PID)

Counts



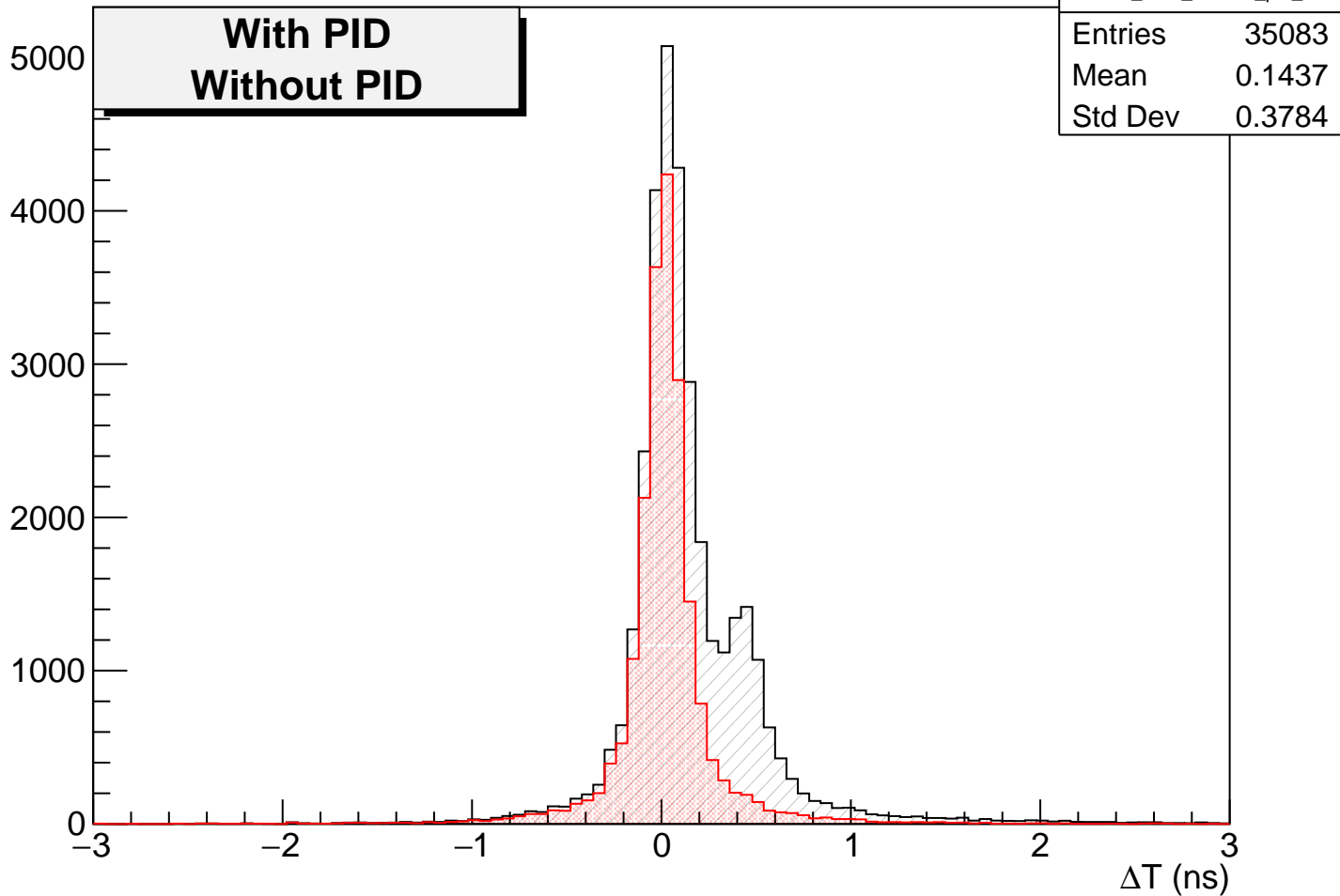
Momentum range [4.90, 4.95] GeV (Without PID)

Counts



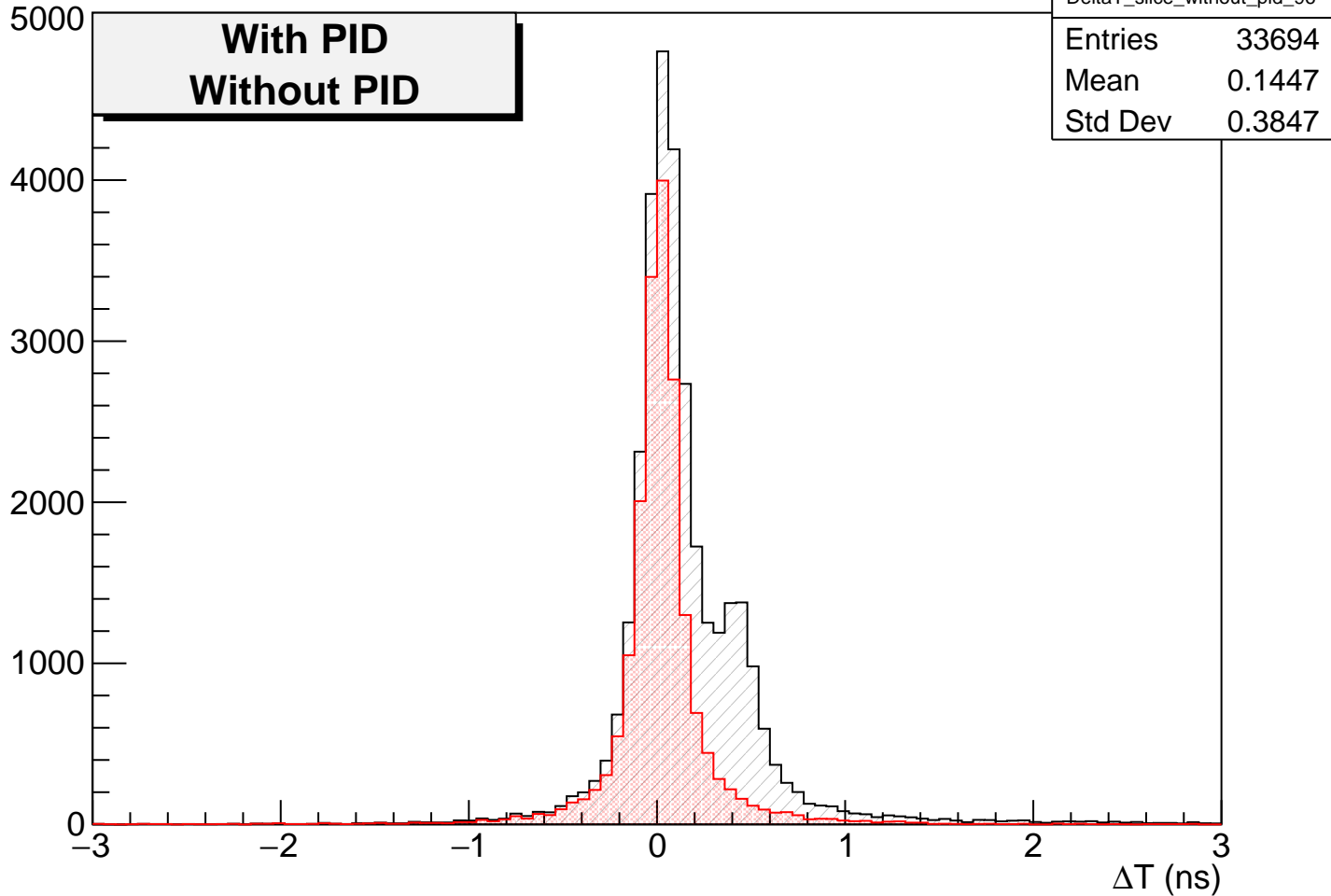
Momentum range [4.95, 5.00] GeV (Without PID)

Counts



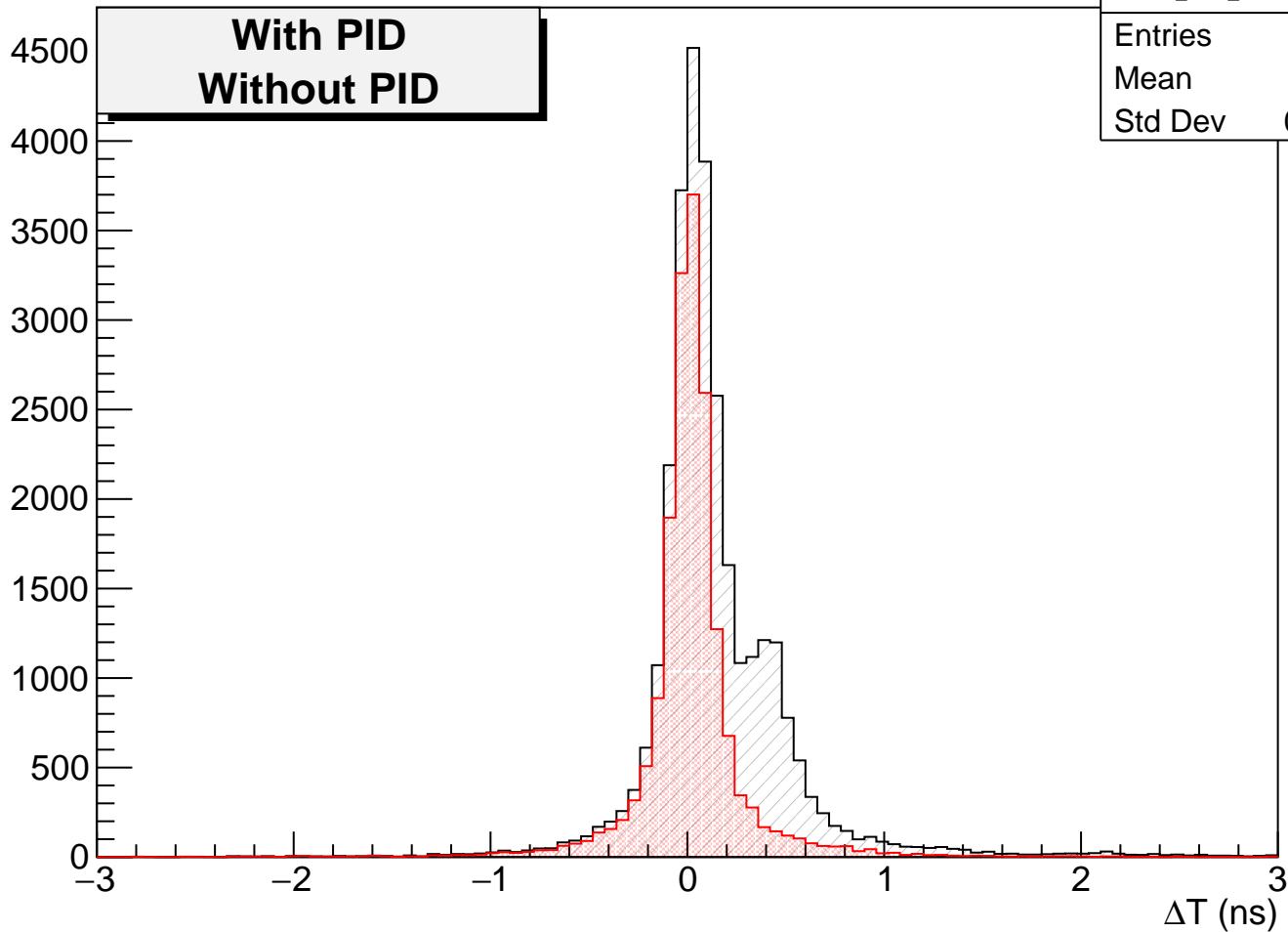
Momentum range [5.00, 5.05] GeV (Without PID)

Counts



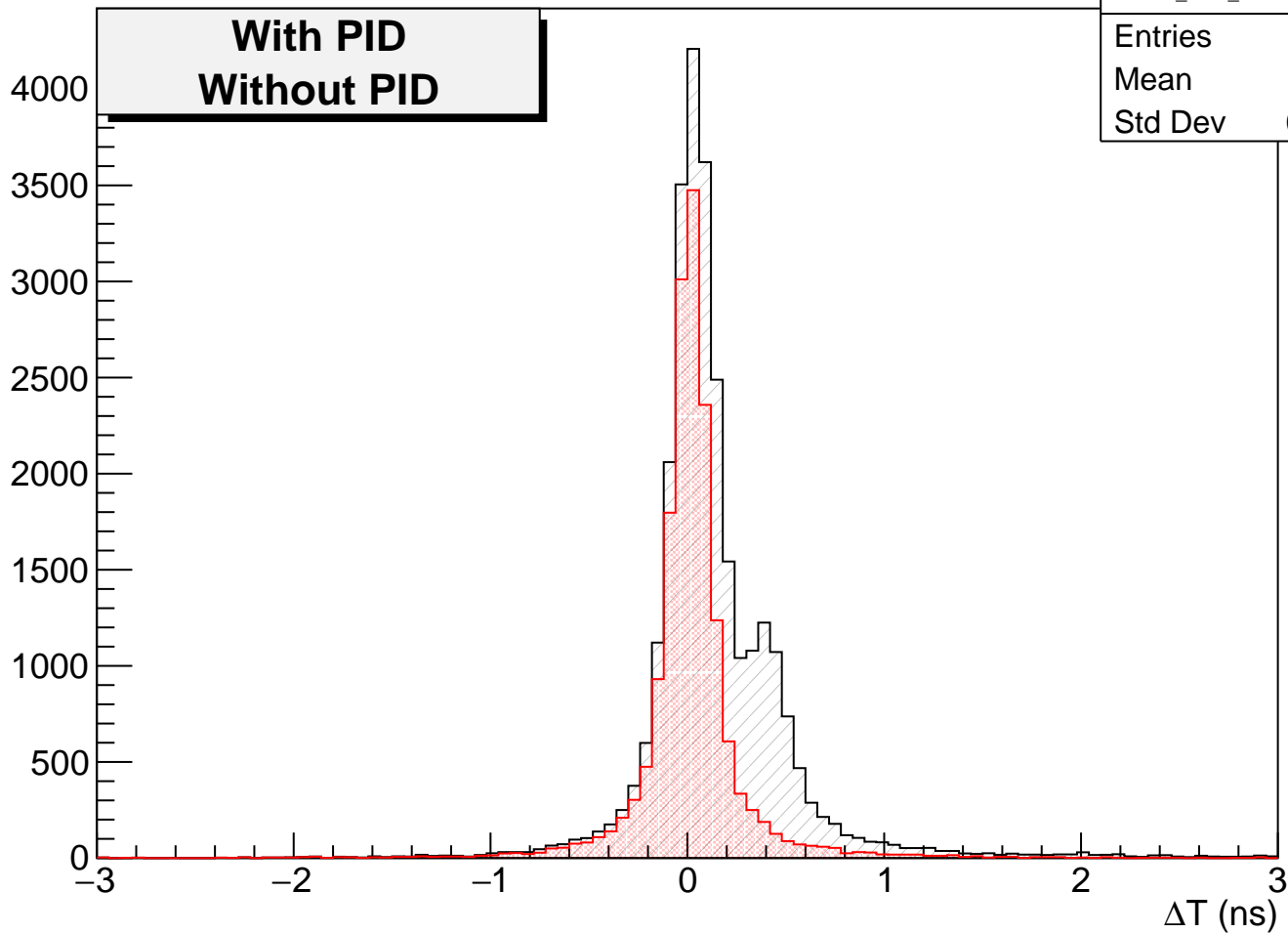
Momentum range [5.05, 5.10] GeV (Without PID)

Counts



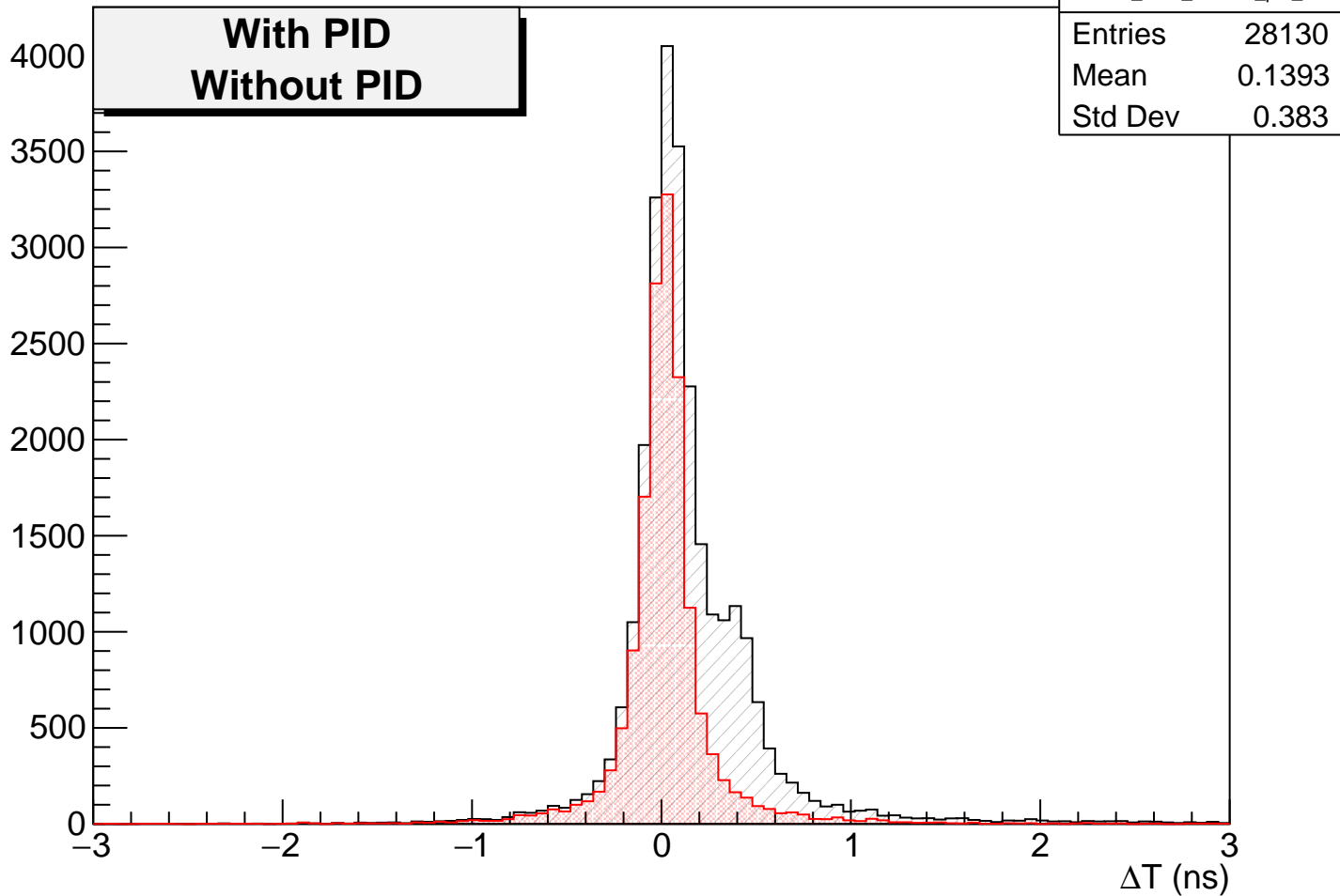
Momentum range [5.10, 5.15] GeV (Without PID)

Counts



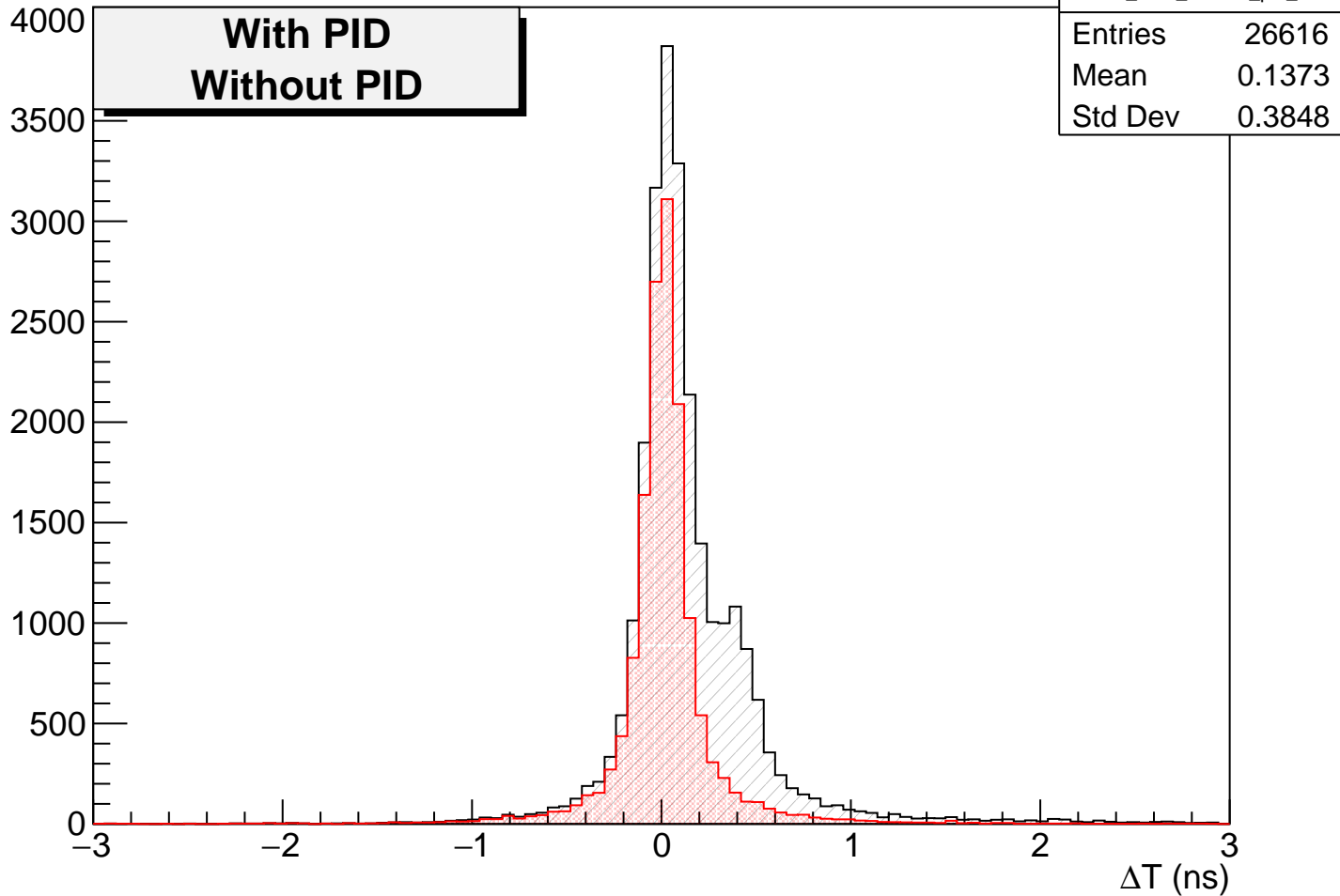
Momentum range [5.15, 5.20] GeV (Without PID)

Counts



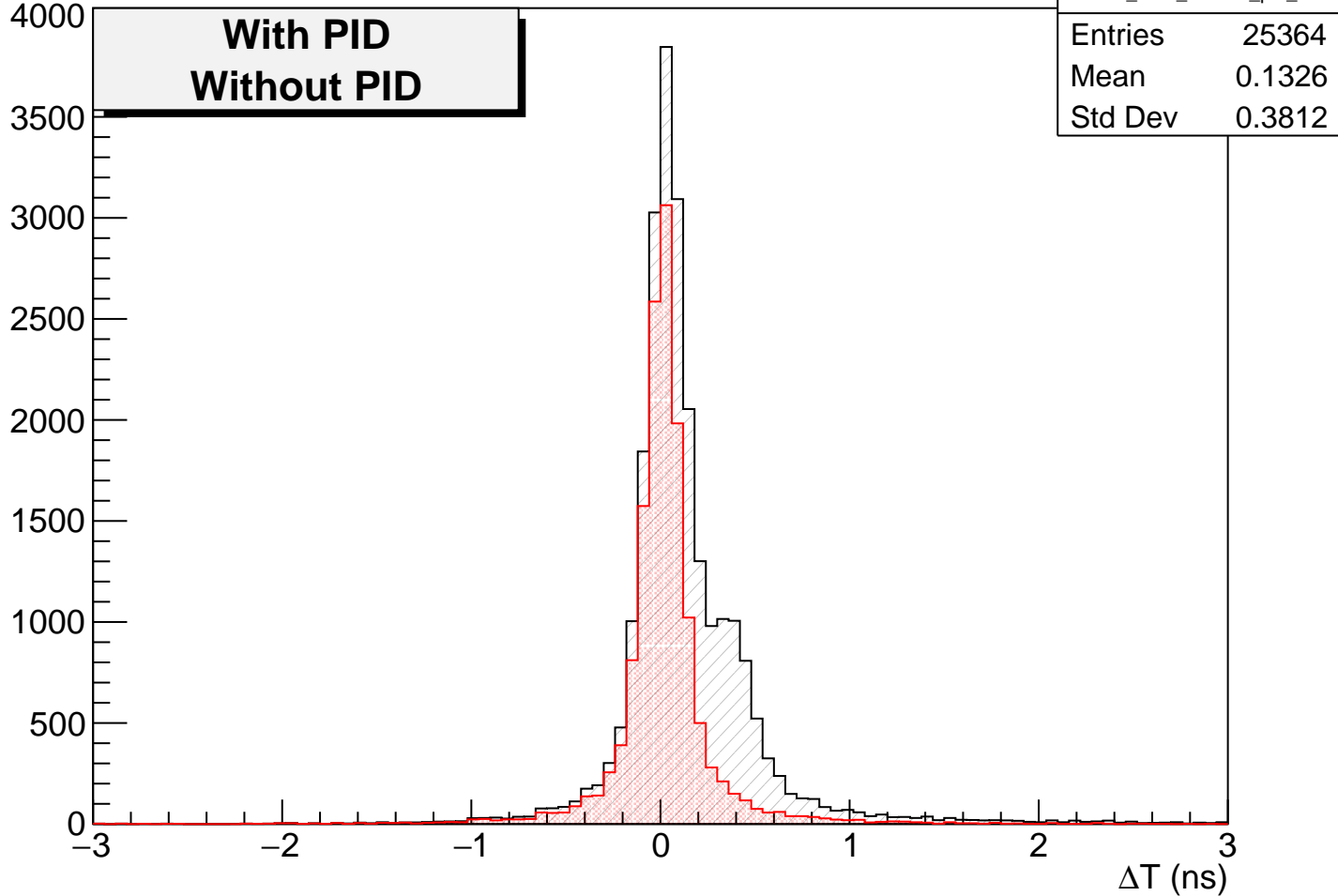
Momentum range [5.20, 5.25] GeV (Without PID)

Counts



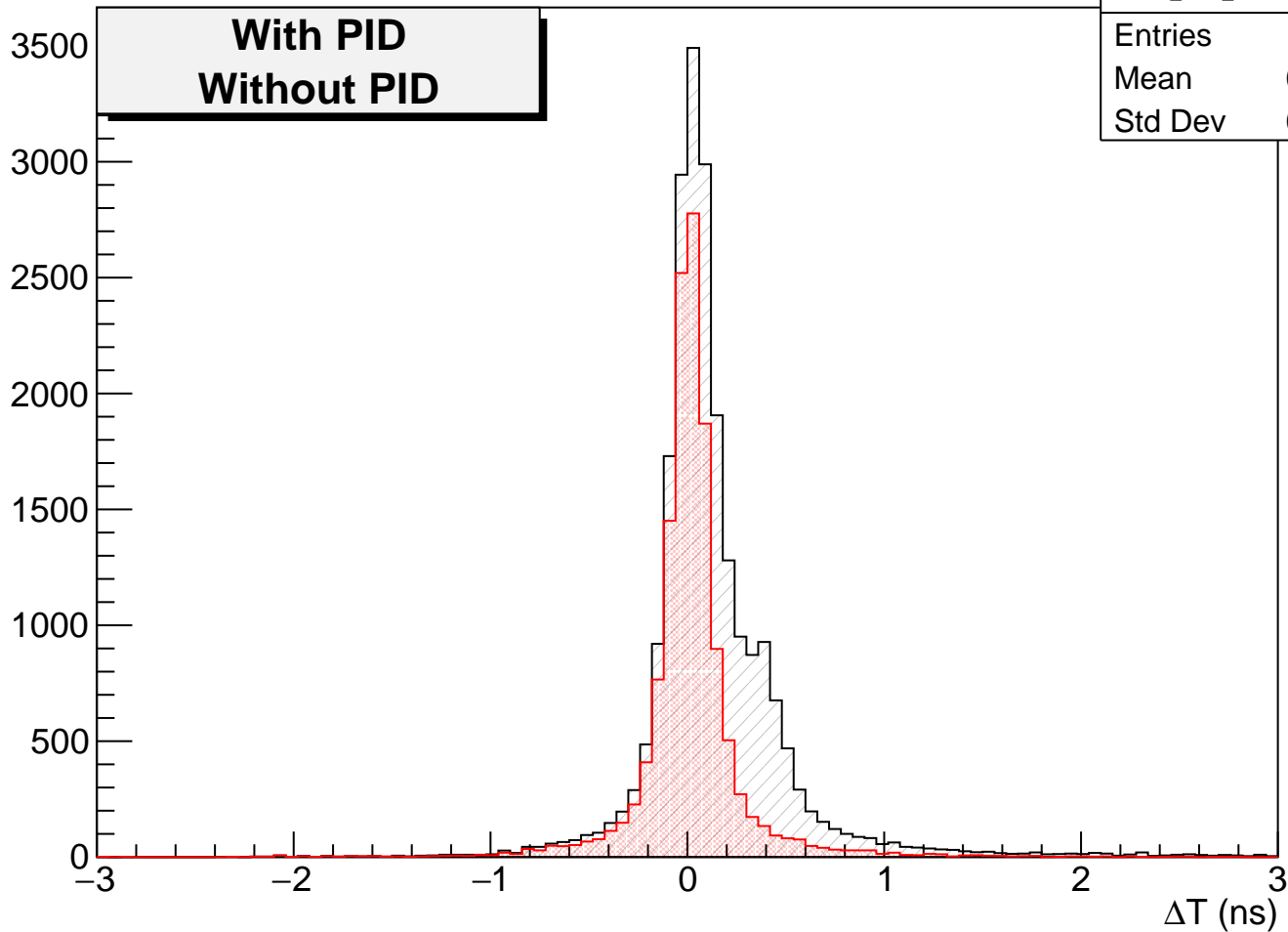
Momentum range [5.25, 5.30] GeV (Without PID)

Counts



Momentum range [5.30, 5.35] GeV (Without PID)

Counts



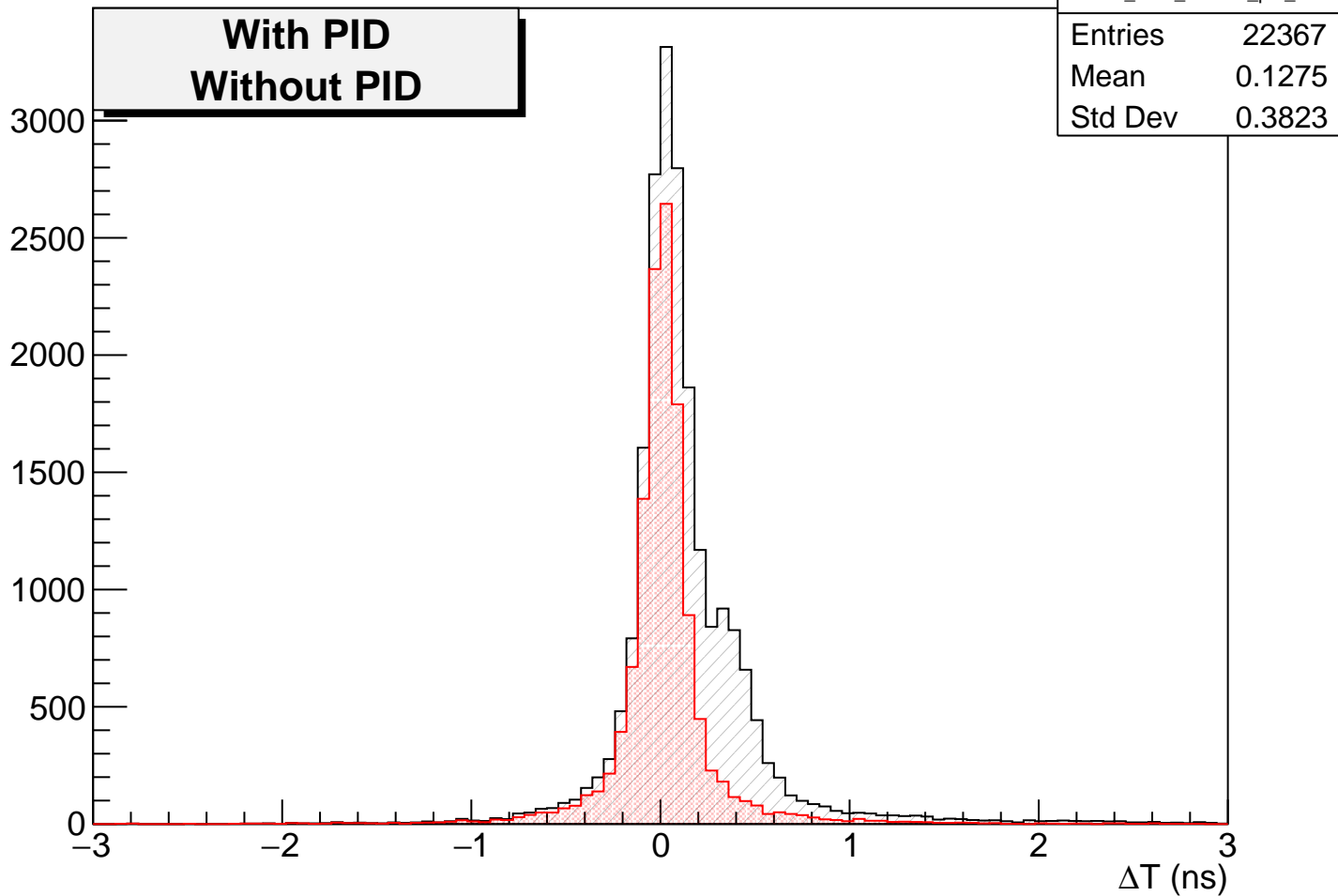
With PID
Without PID

DeltaT_slice_without_pid_102	
Entries	23856
Mean	0.1305
Std Dev	0.3808

ΔT (ns)

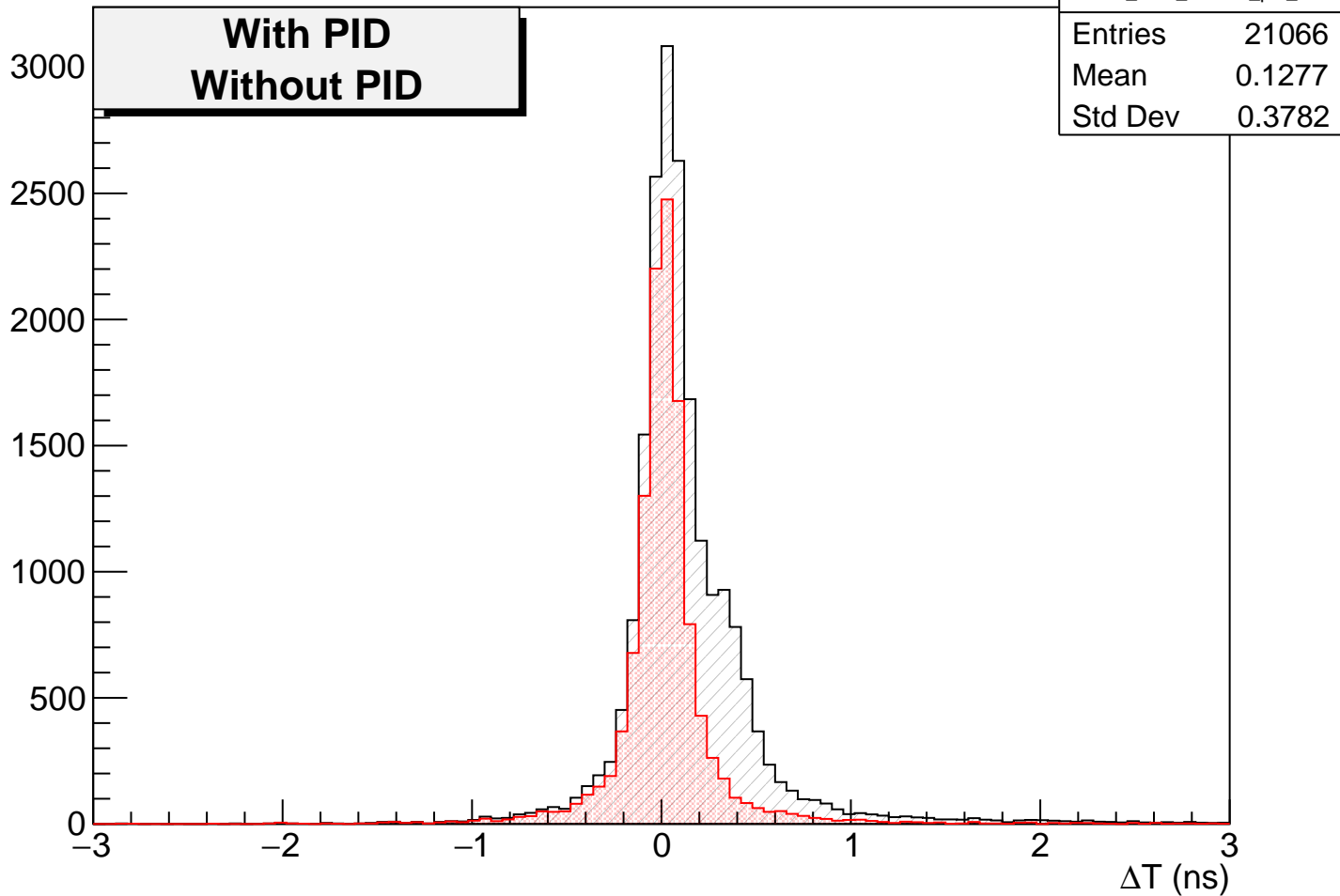
Momentum range [5.35, 5.40] GeV (Without PID)

Counts



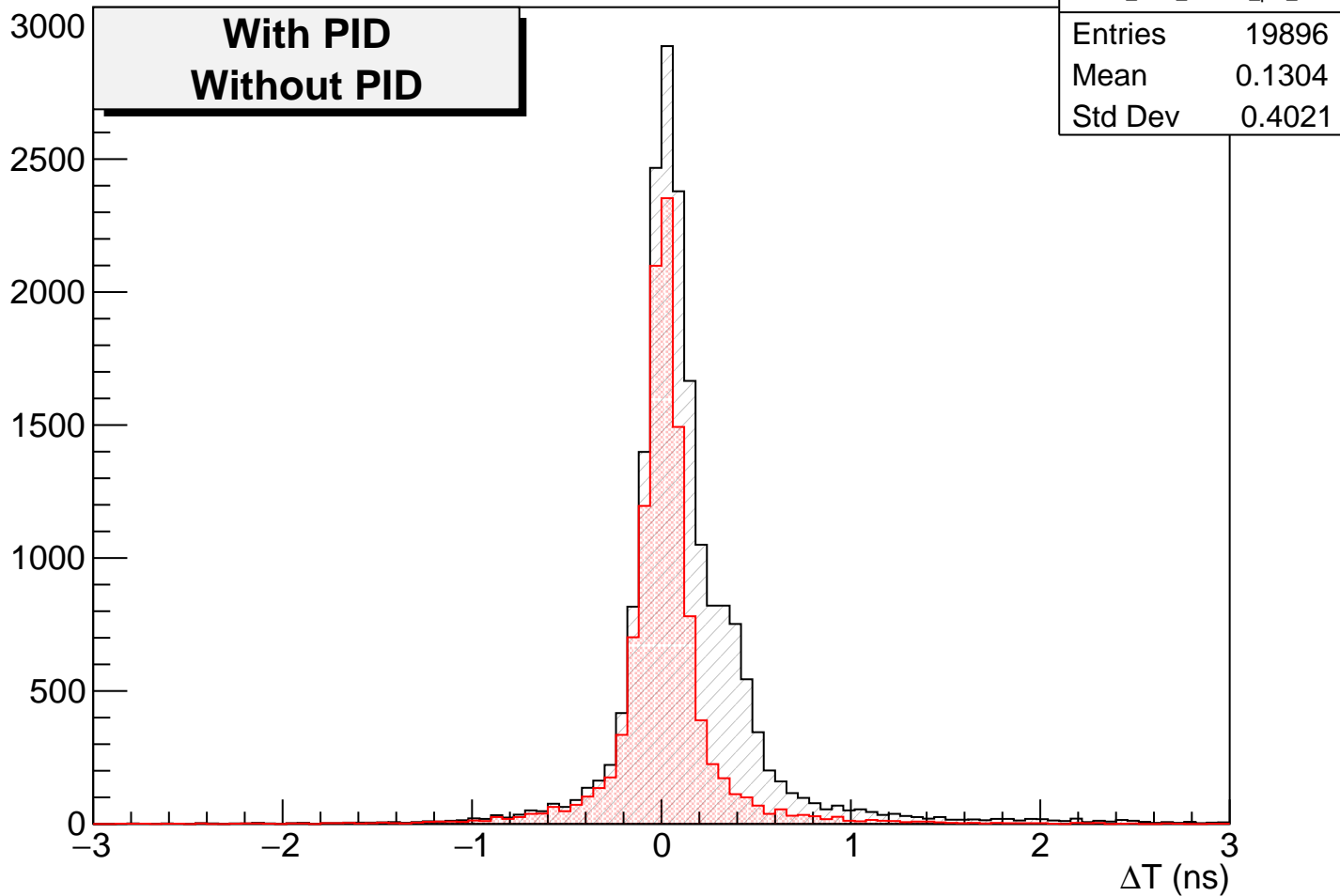
Momentum range [5.40, 5.45] GeV (Without PID)

Counts



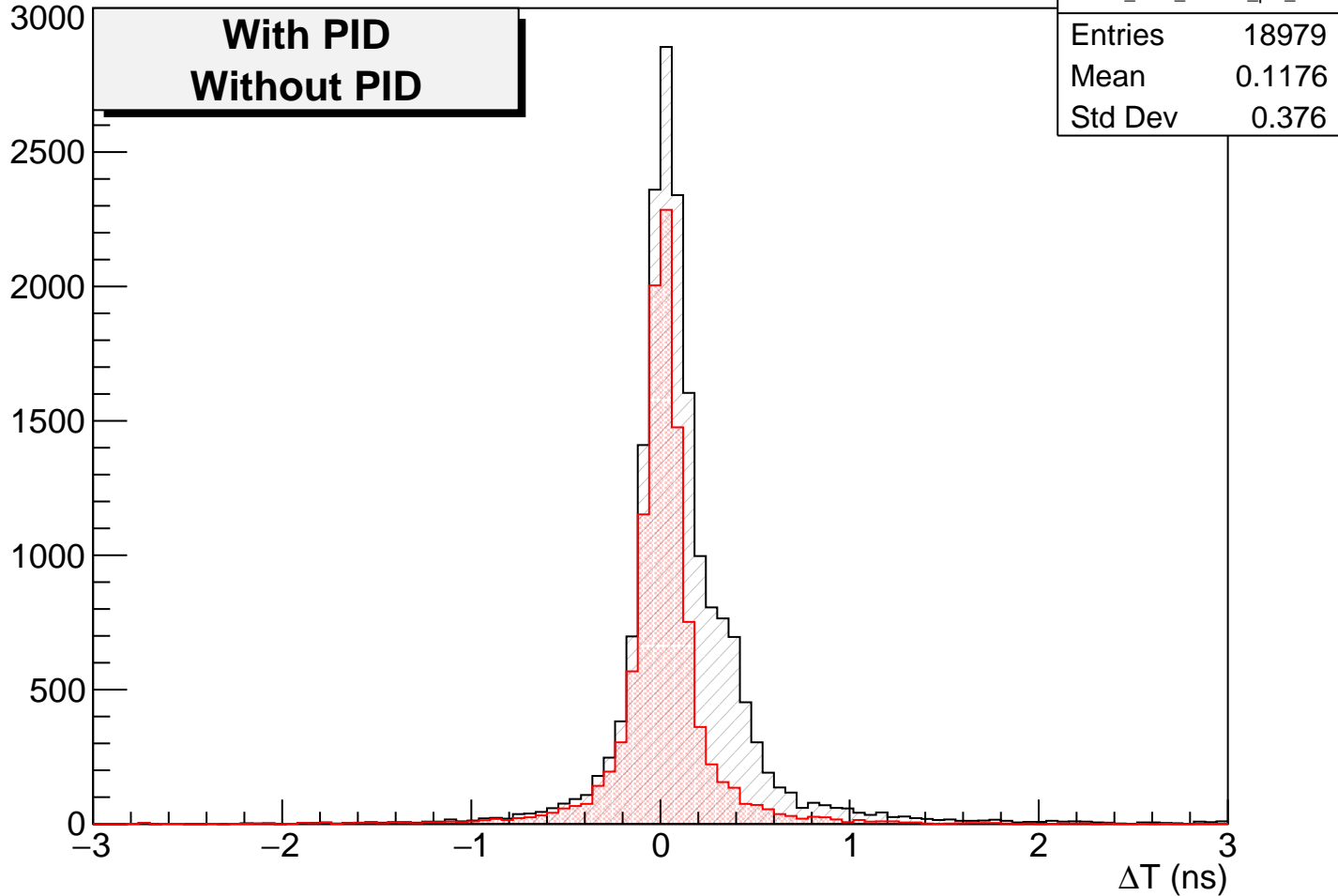
Momentum range [5.45, 5.50] GeV (Without PID)

Counts



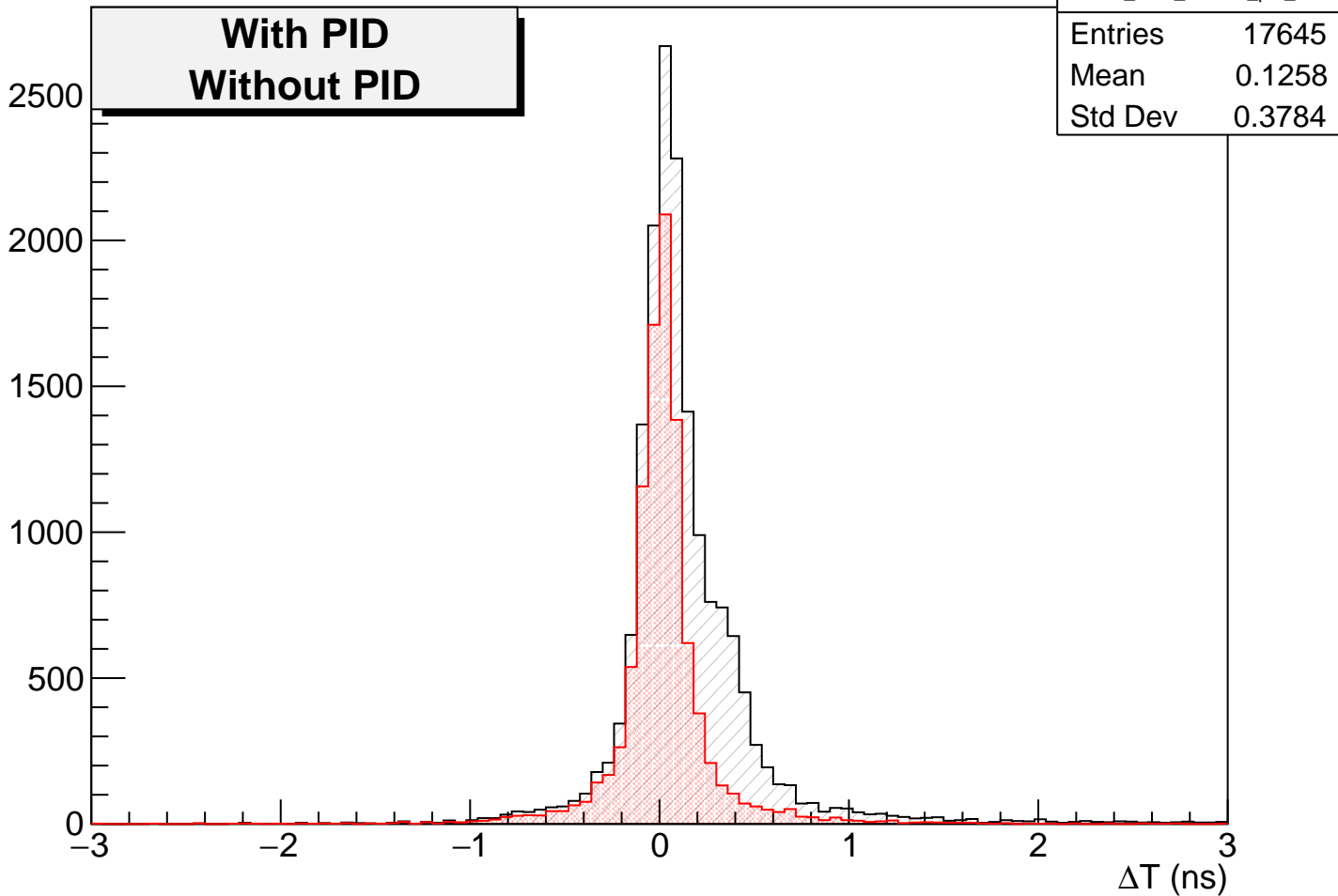
Momentum range [5.50, 5.55] GeV (Without PID)

Counts



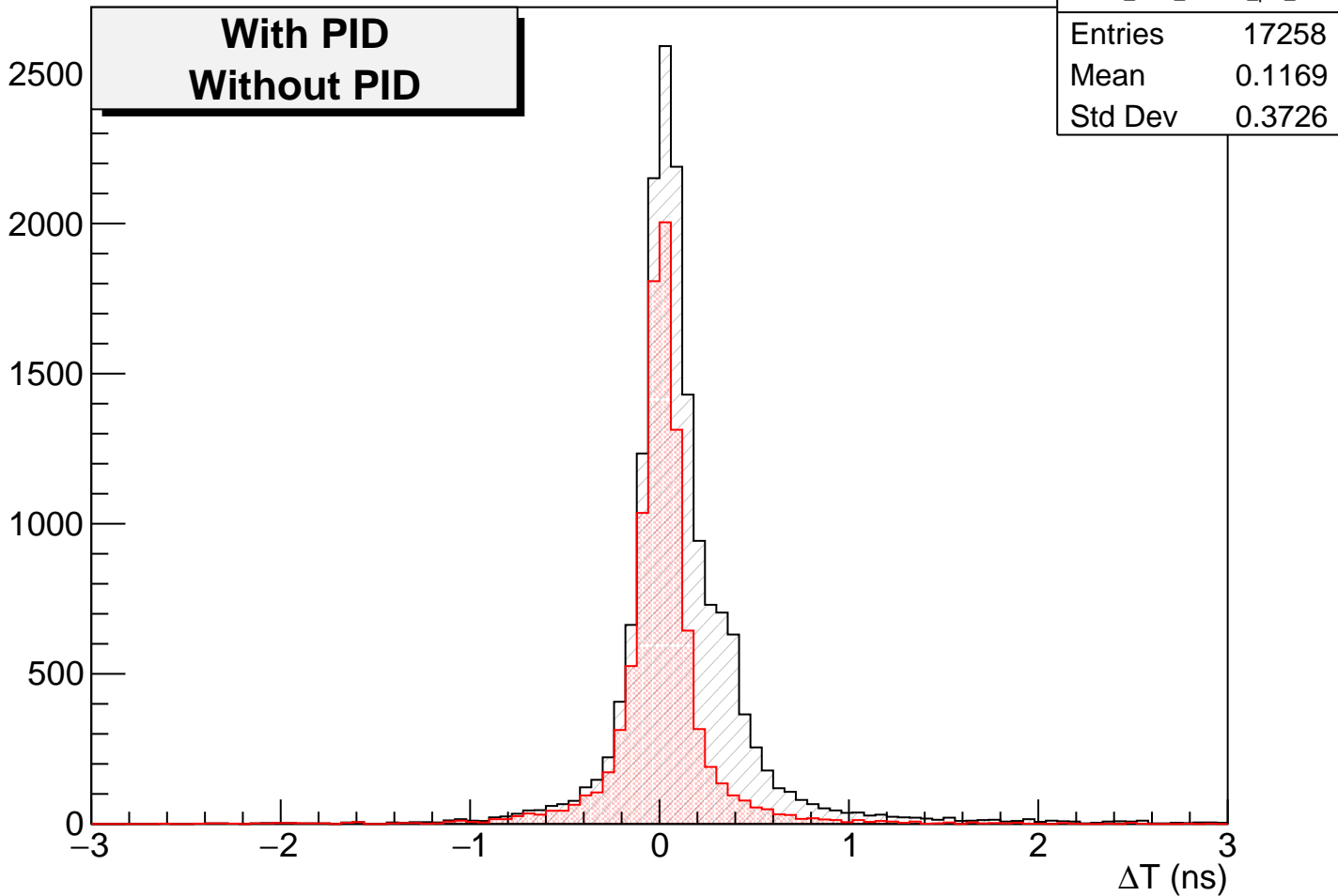
Momentum range [5.55, 5.60] GeV (Without PID)

Counts



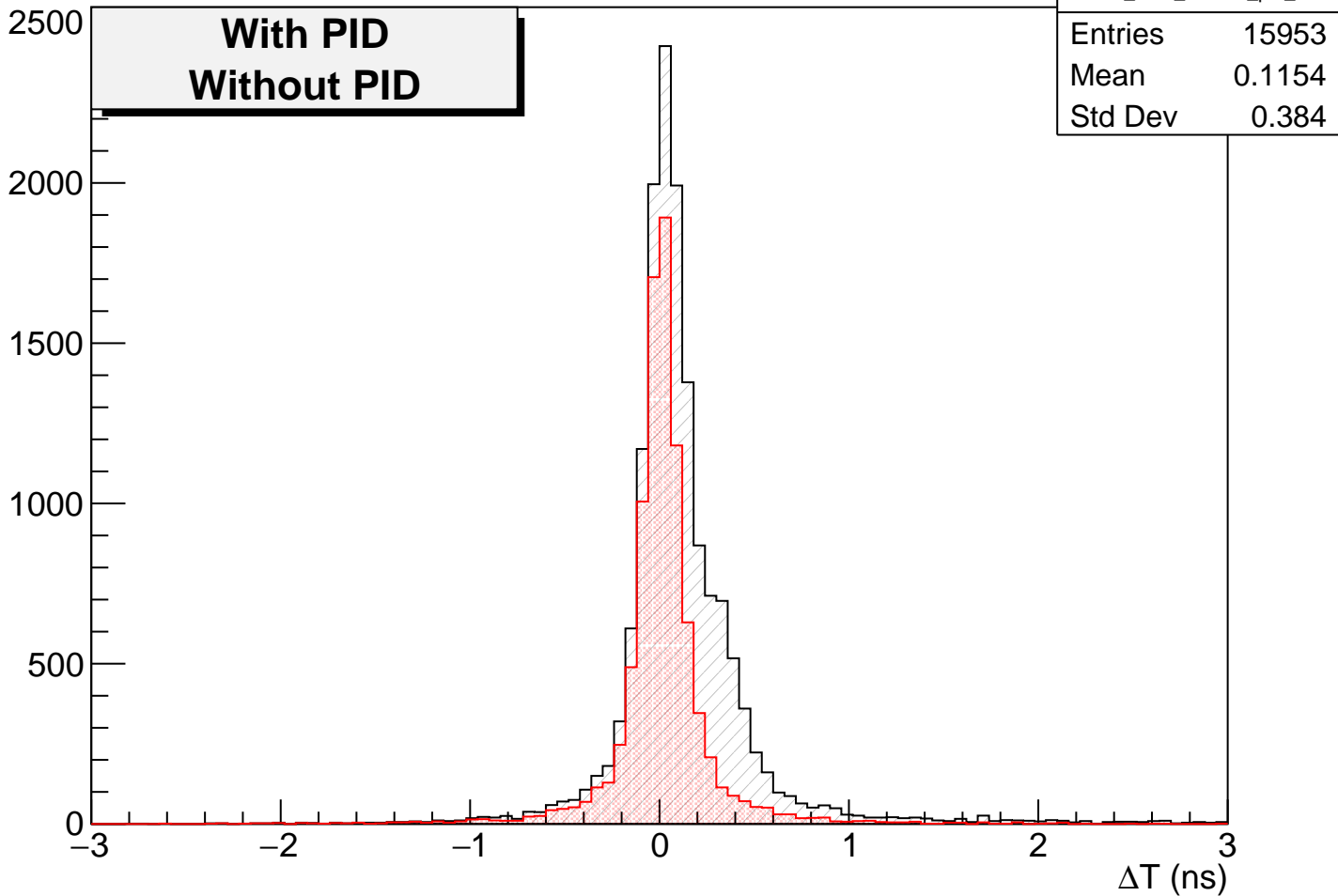
Momentum range [5.60, 5.65] GeV (Without PID)

Counts



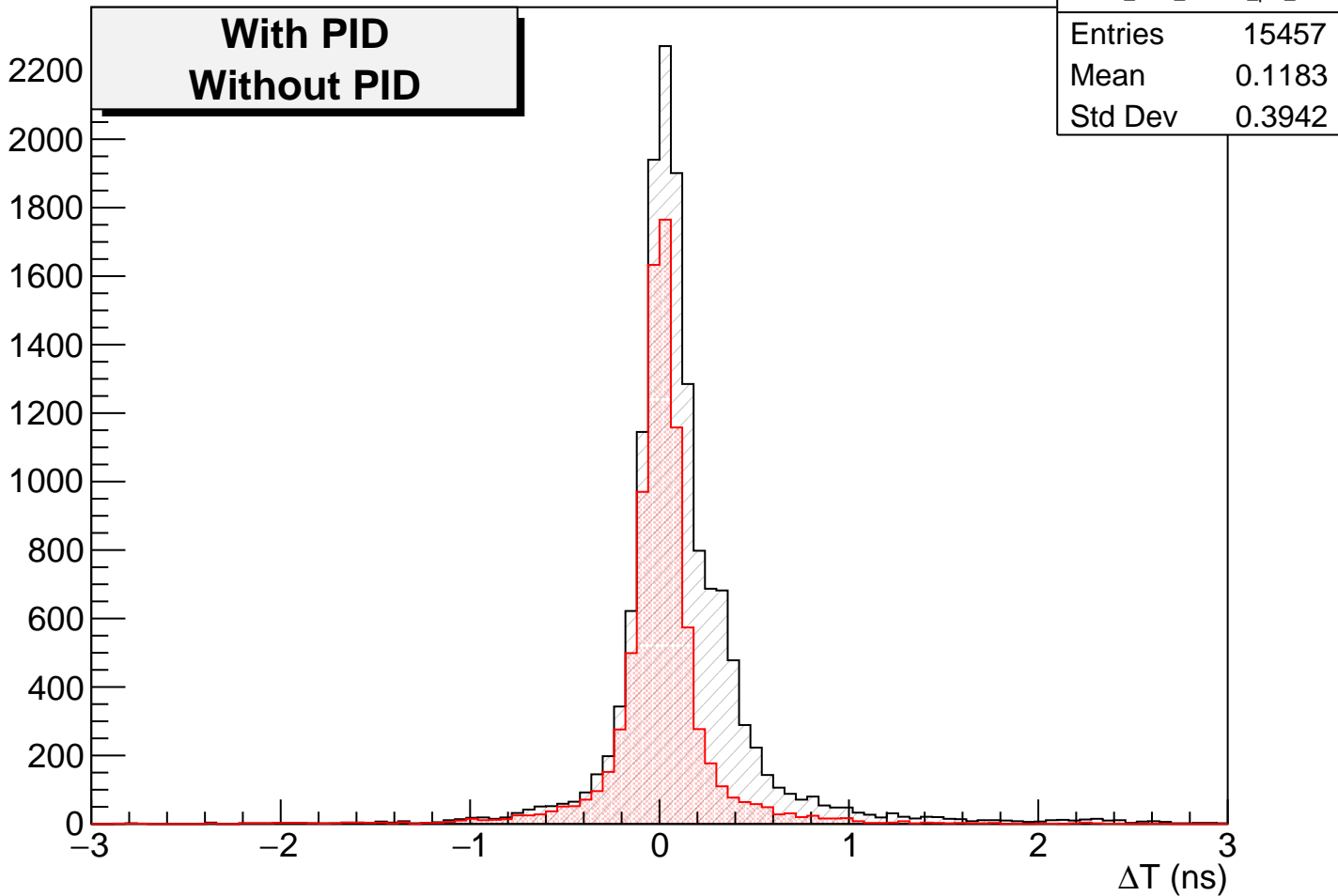
Momentum range [5.65, 5.70] GeV (Without PID)

Counts

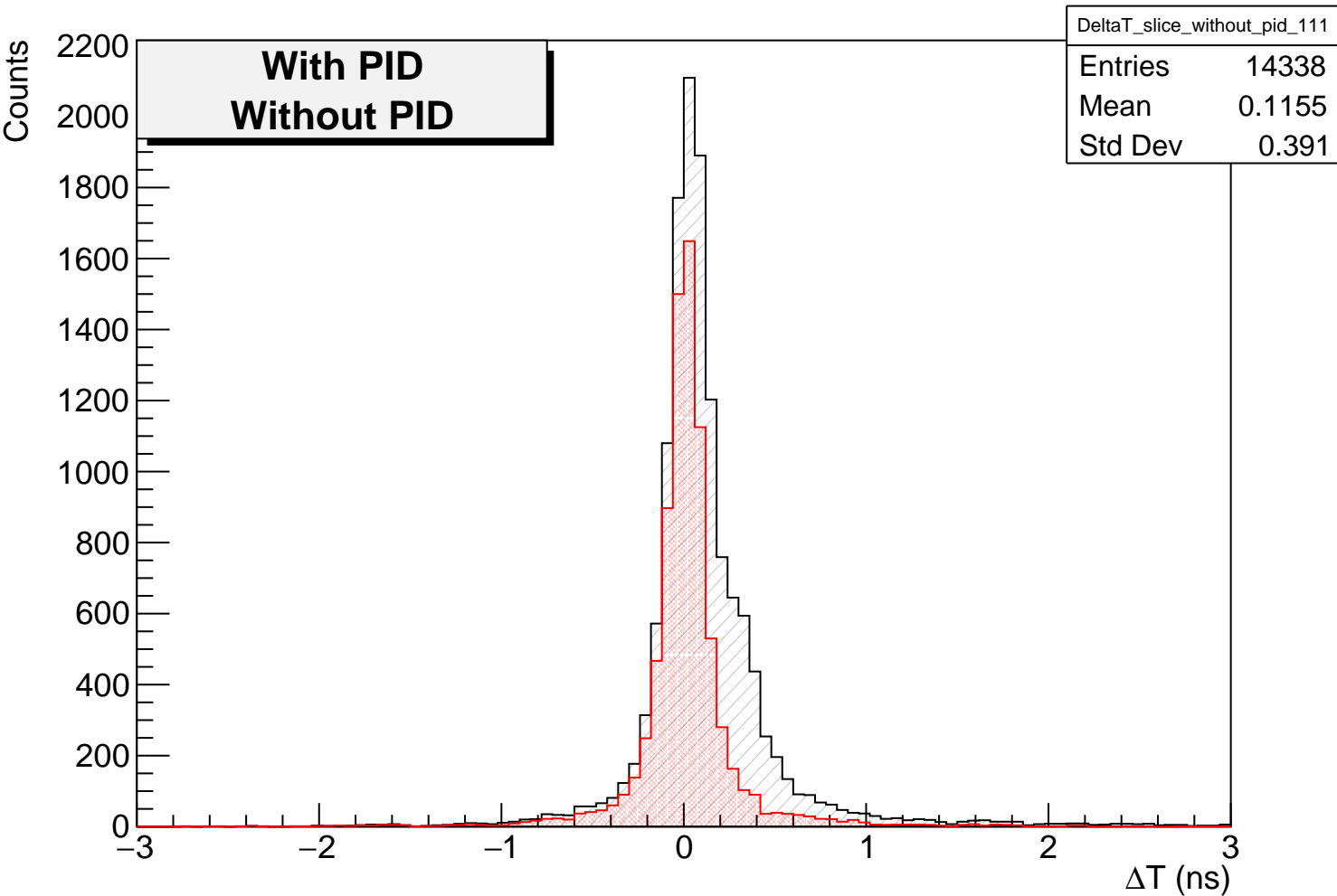


Momentum range [5.70, 5.75] GeV (Without PID)

Counts

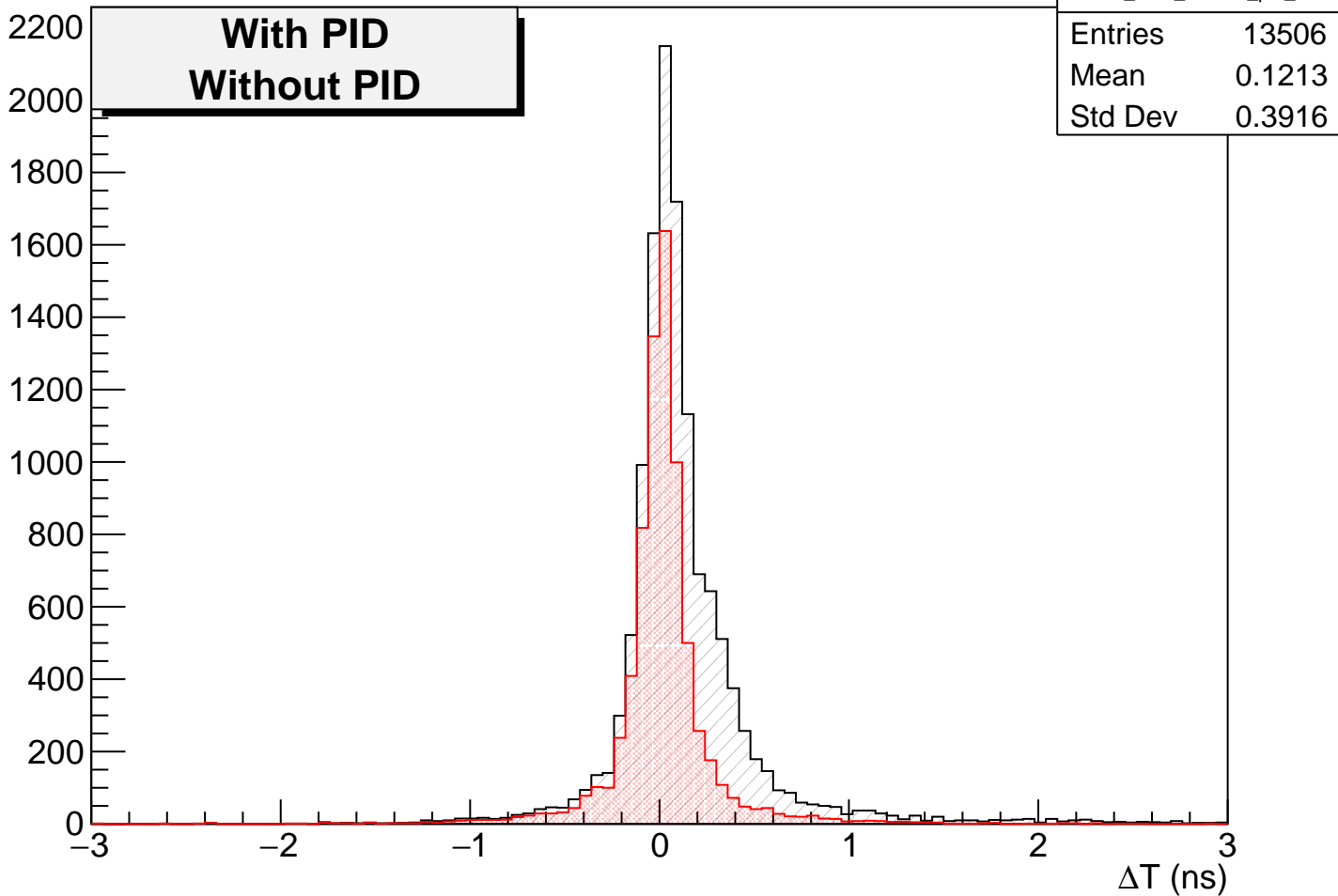


Momentum range [5.75, 5.80] GeV (Without PID)

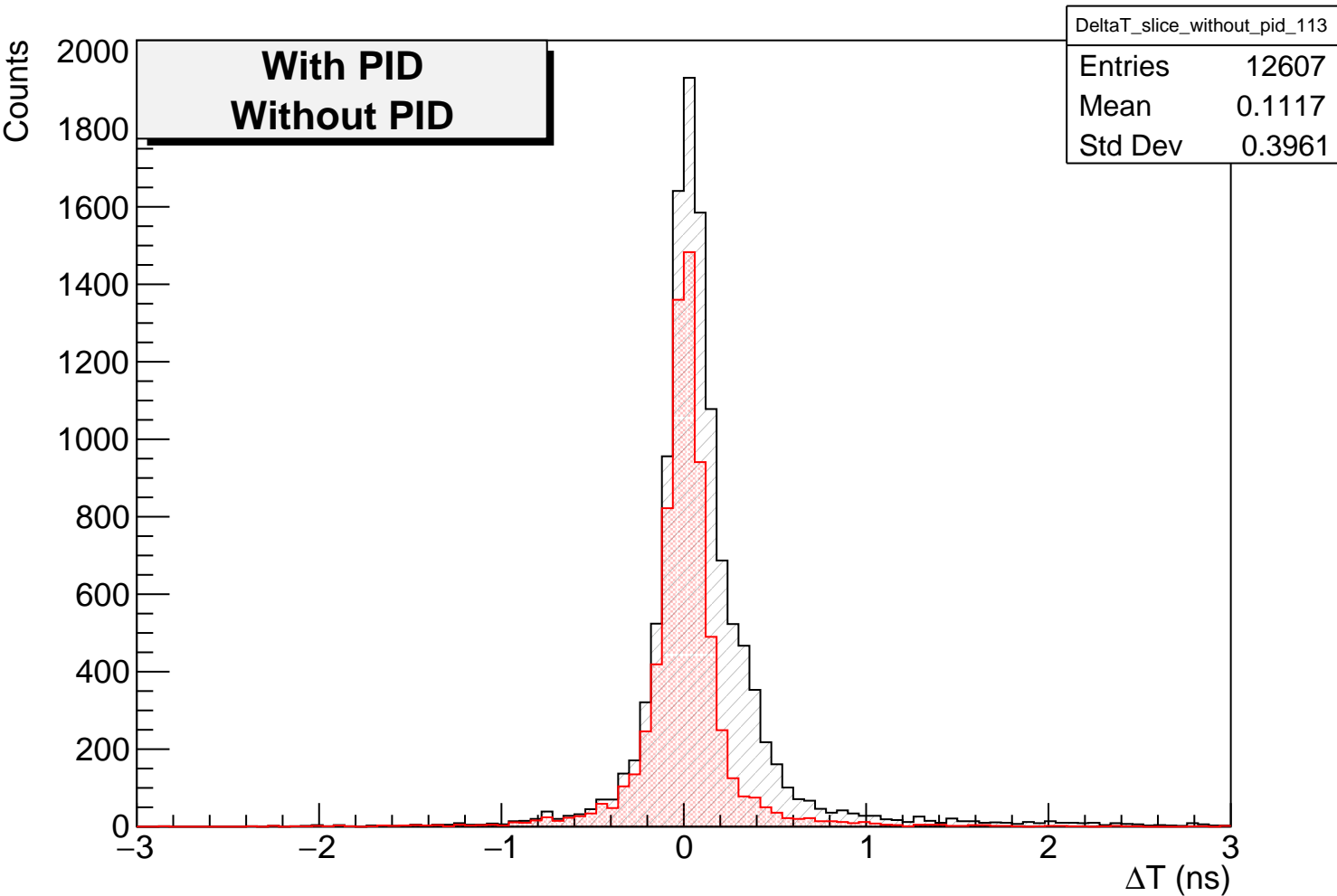


Momentum range [5.80, 5.85] GeV (Without PID)

Counts

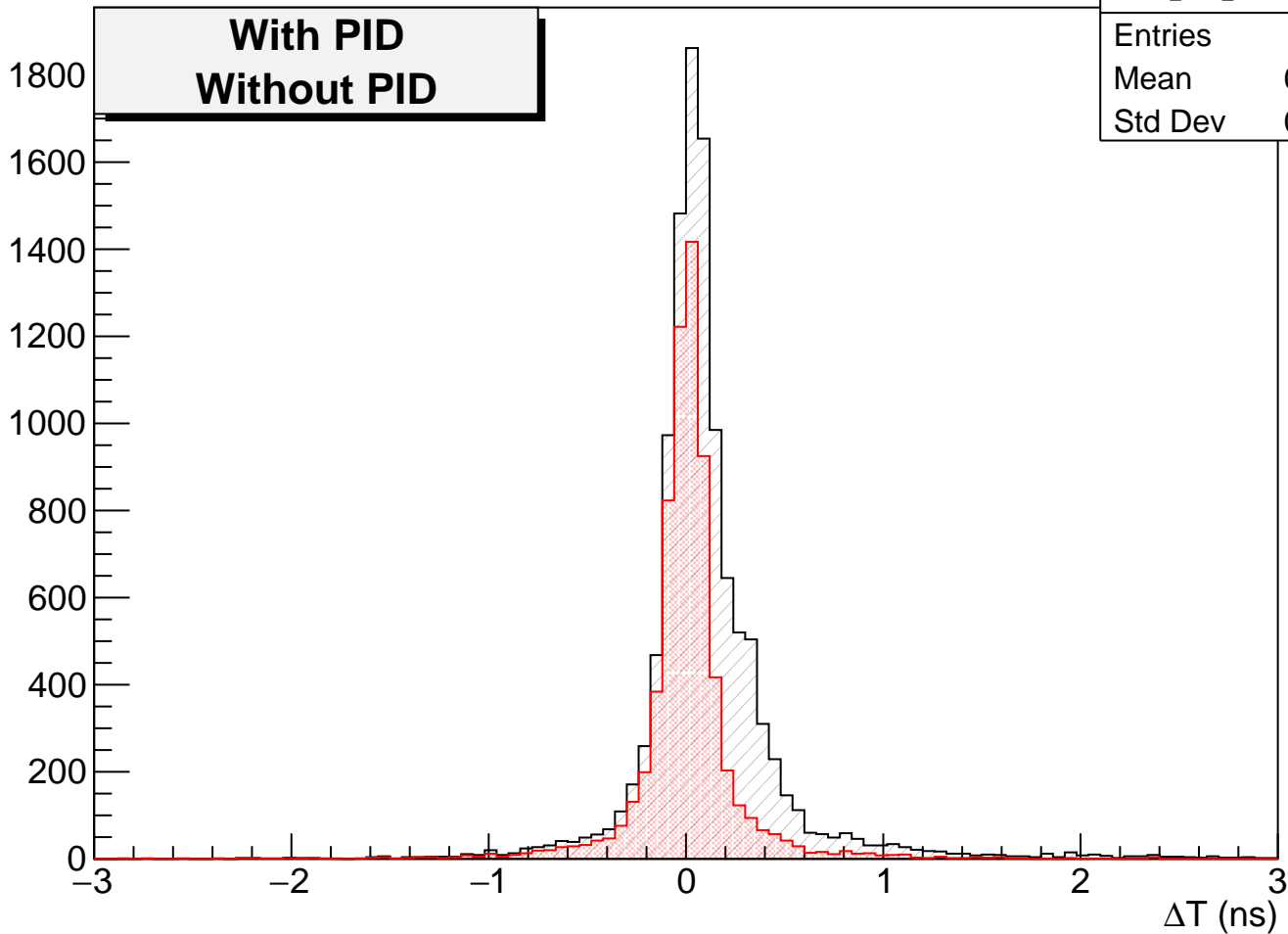


Momentum range [5.85, 5.90] GeV (Without PID)



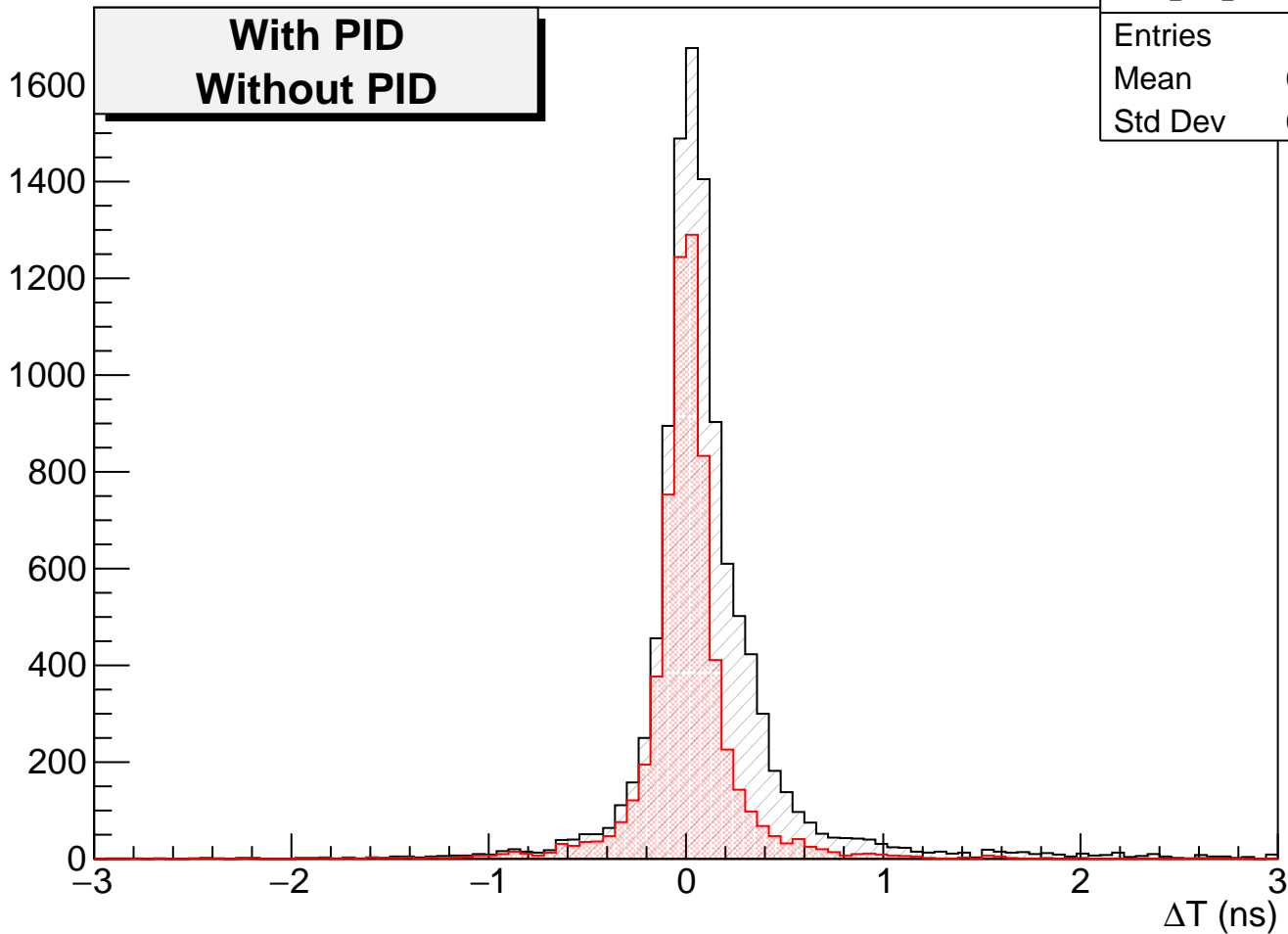
Momentum range [5.90, 5.95] GeV (Without PID)

Counts



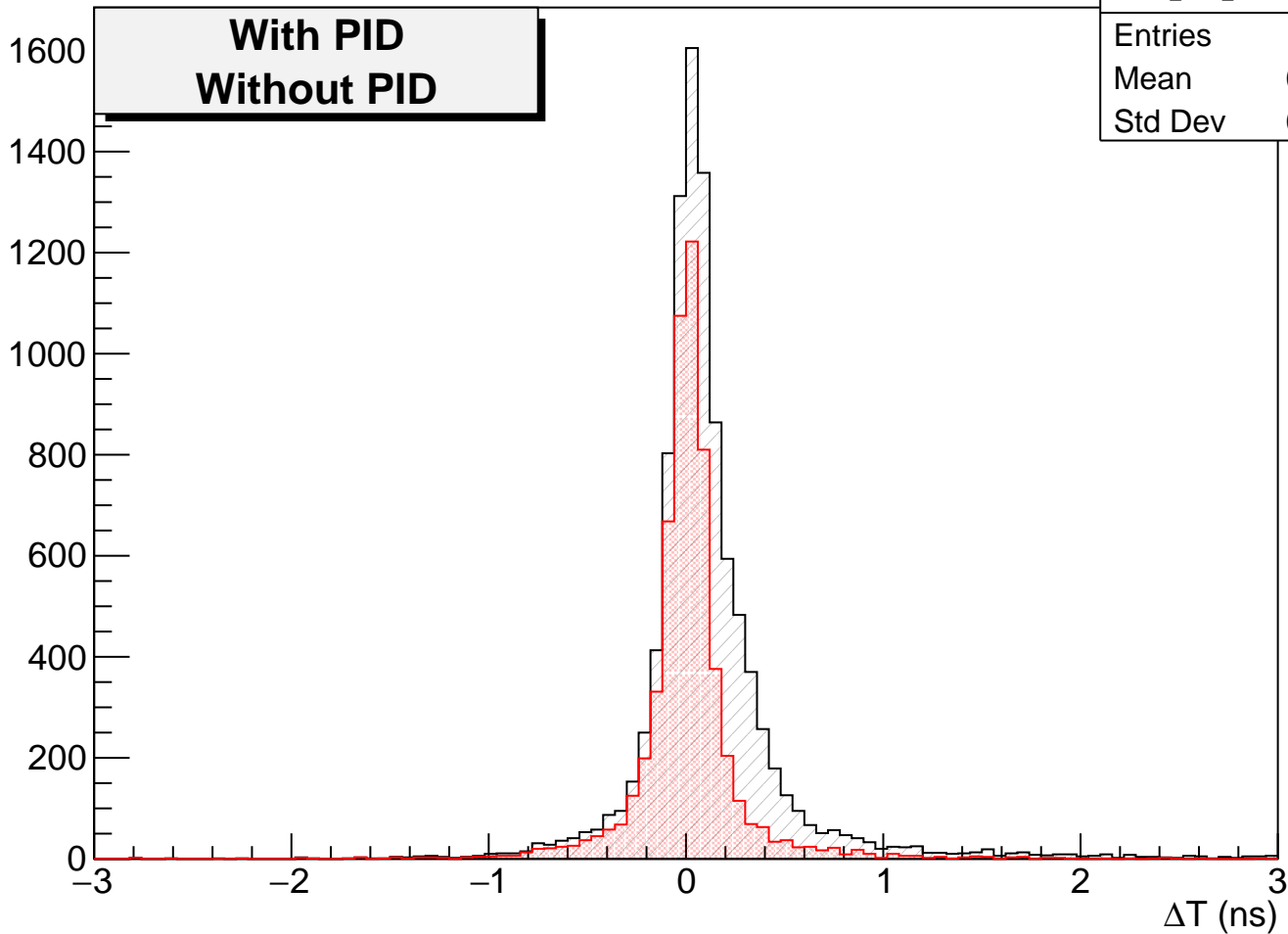
Momentum range [5.95, 6.00] GeV (Without PID)

Counts



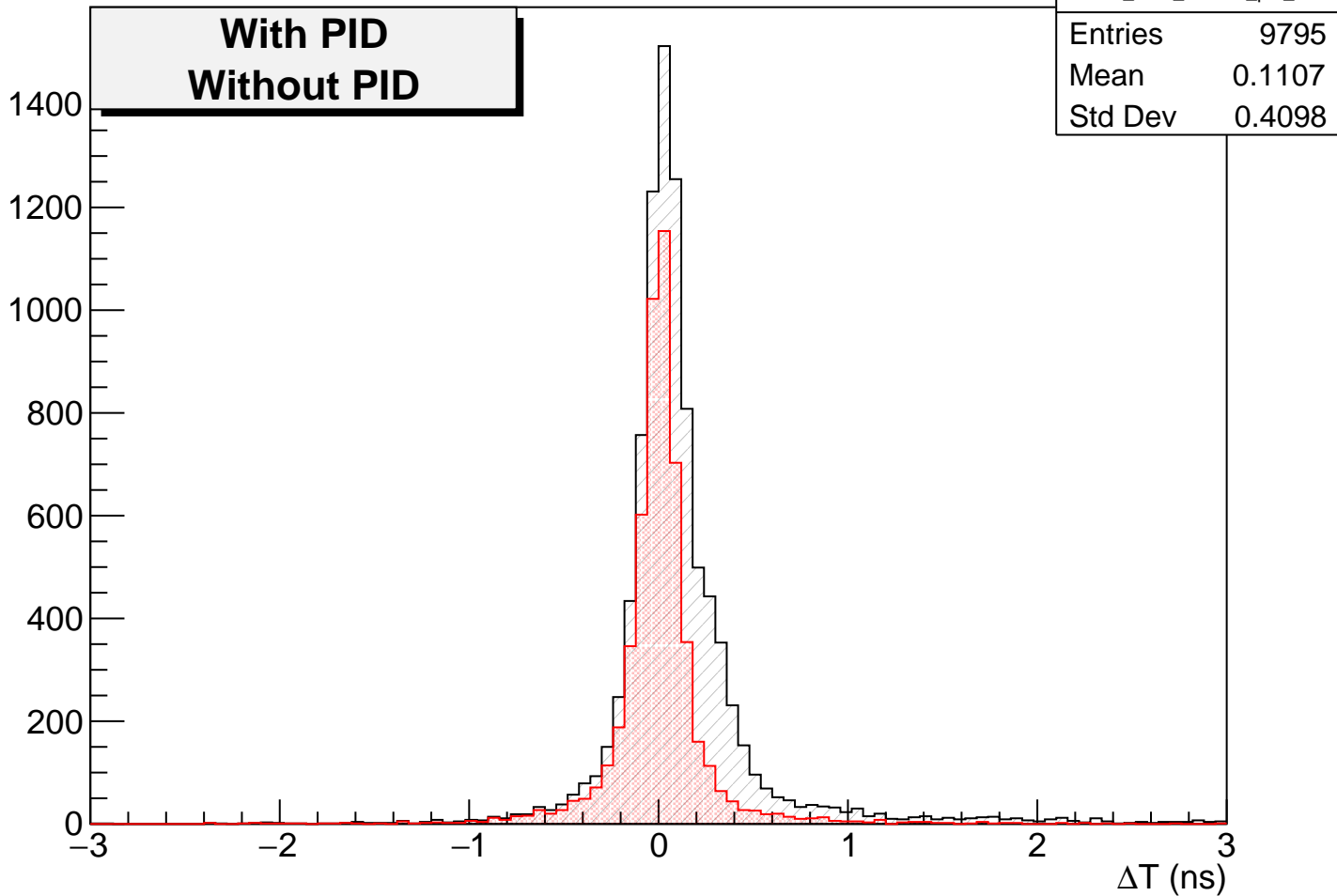
Momentum range [6.00, 6.05] GeV (Without PID)

Counts



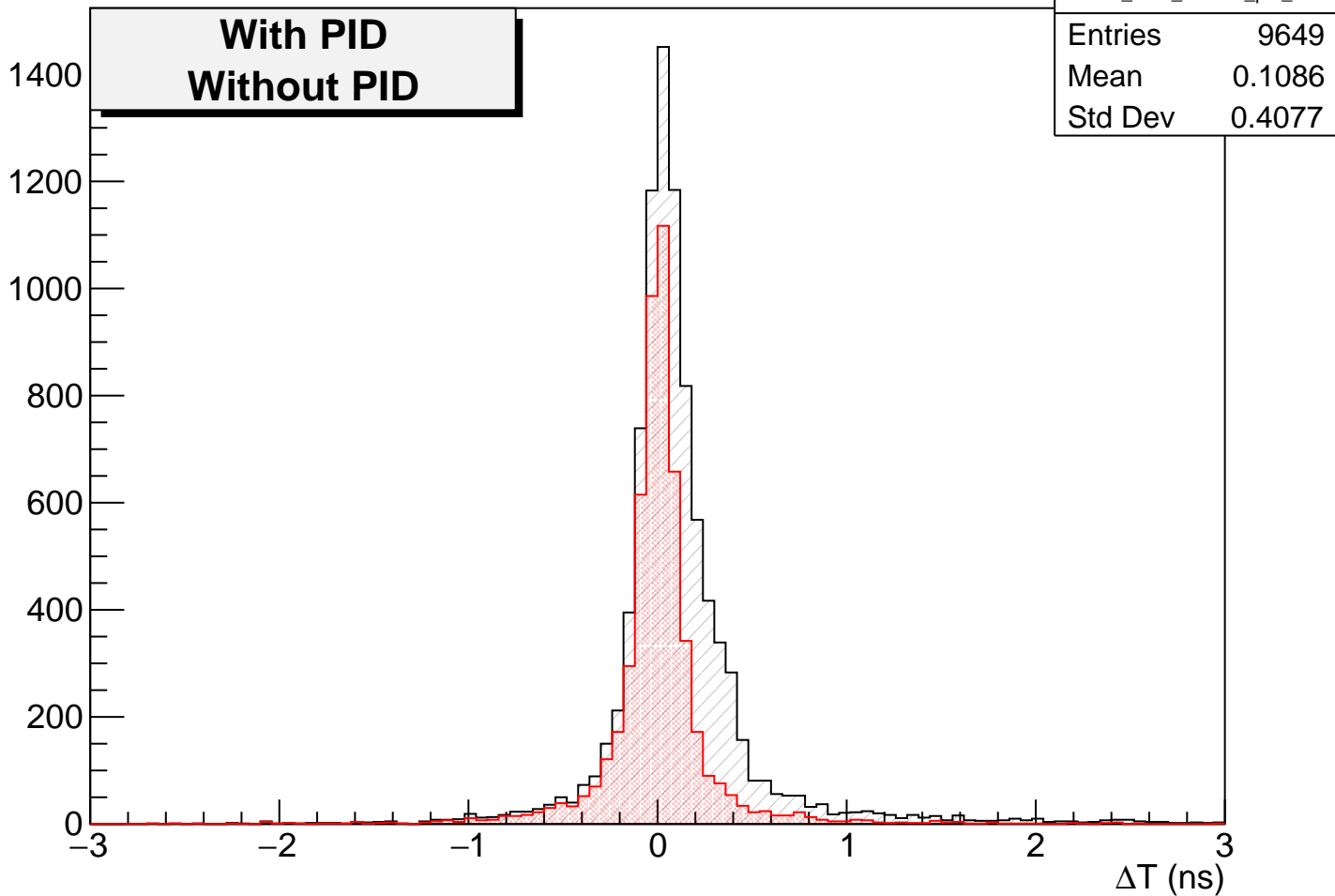
Momentum range [6.05, 6.10] GeV (Without PID)

Counts



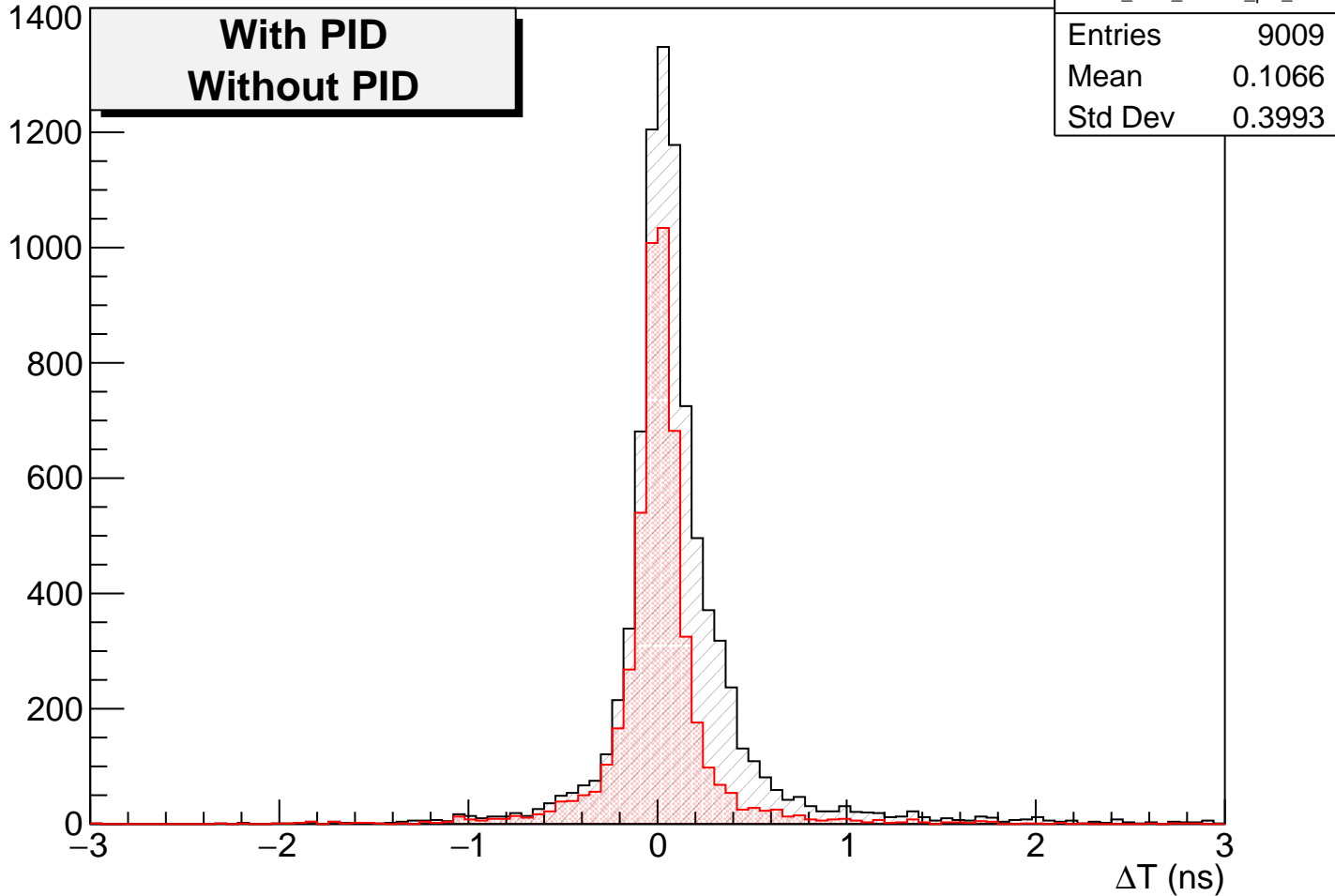
Momentum range [6.10, 6.15] GeV (Without PID)

Counts



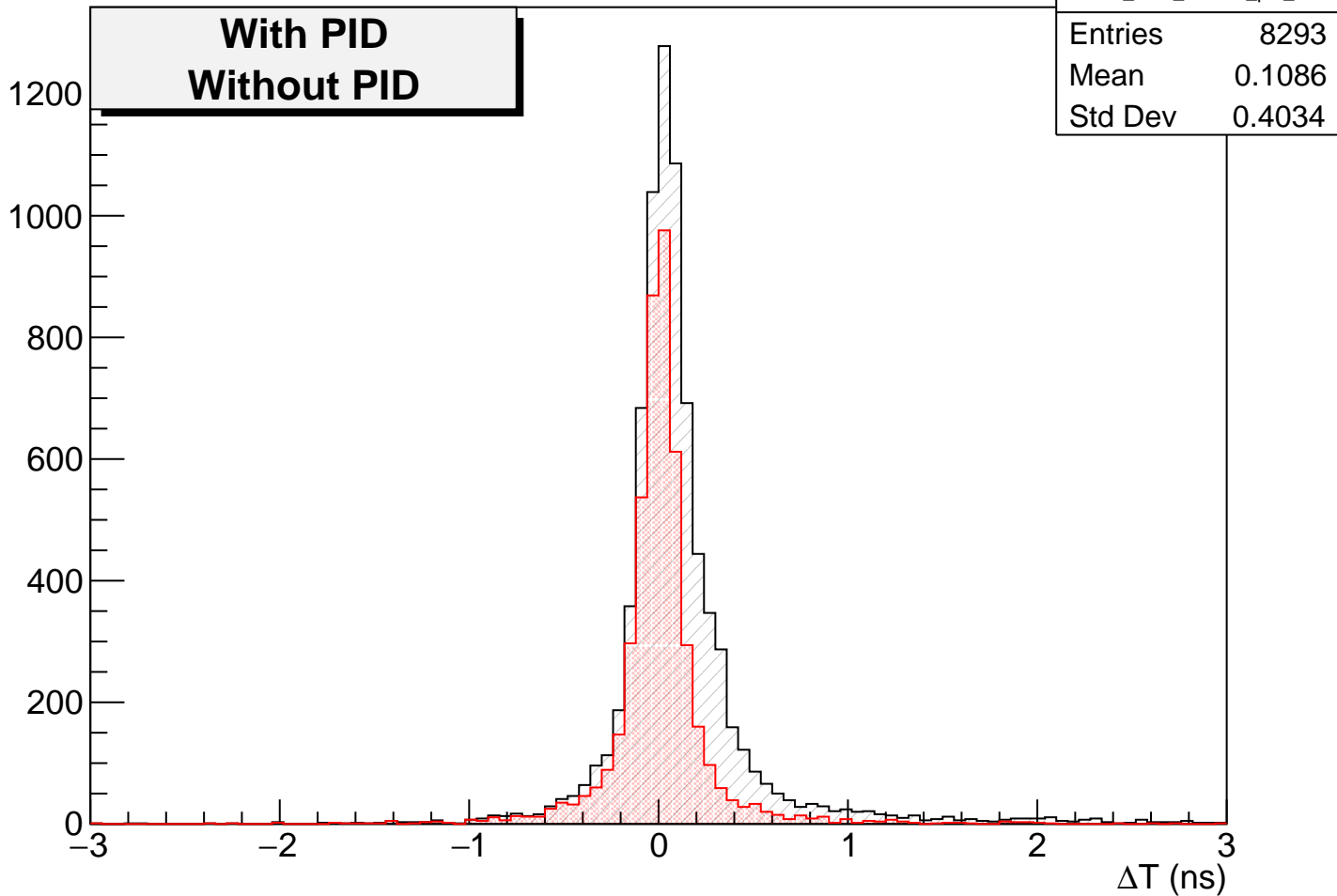
Momentum range [6.15, 6.20] GeV (Without PID)

Counts



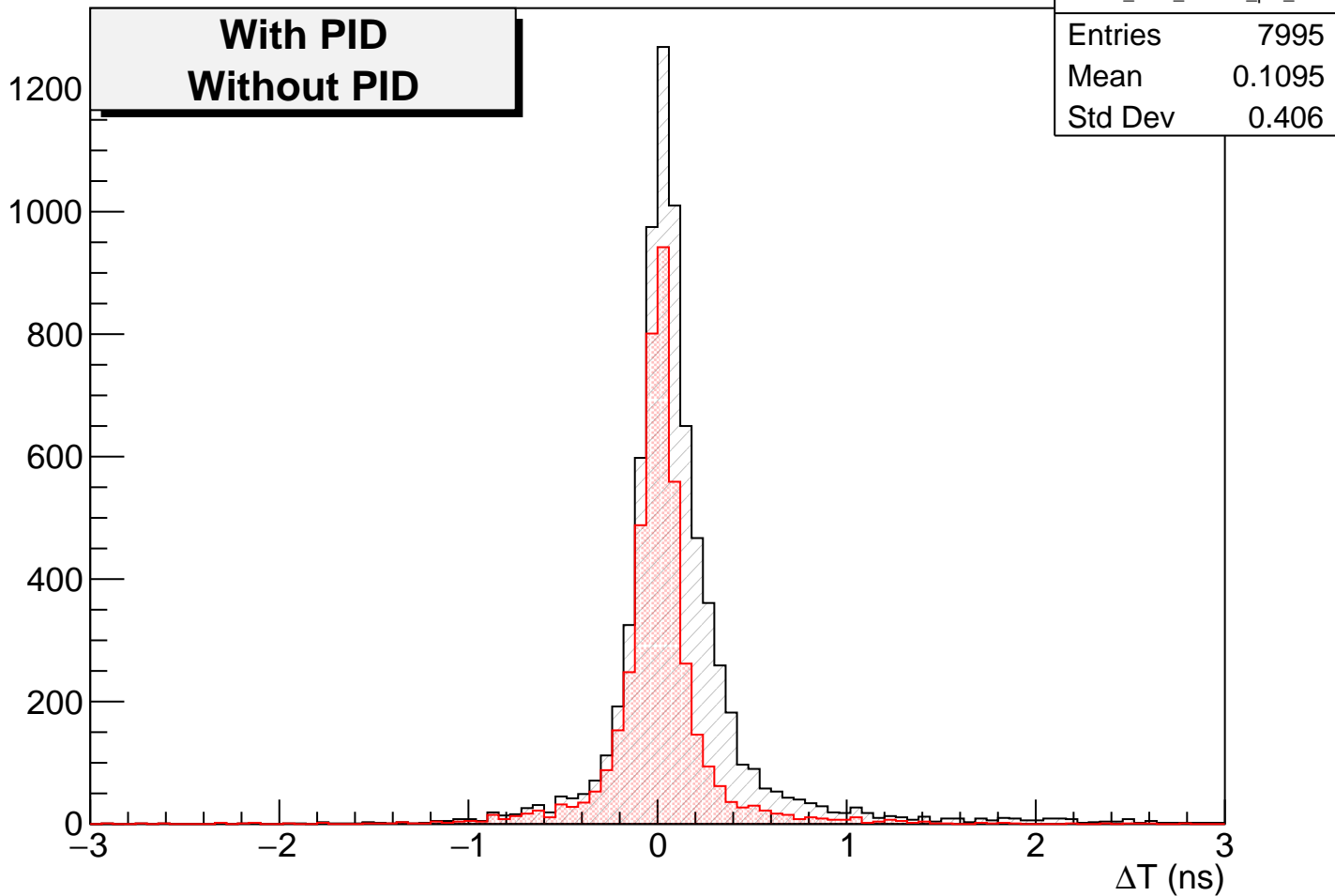
Momentum range [6.20, 6.25] GeV (Without PID)

Counts



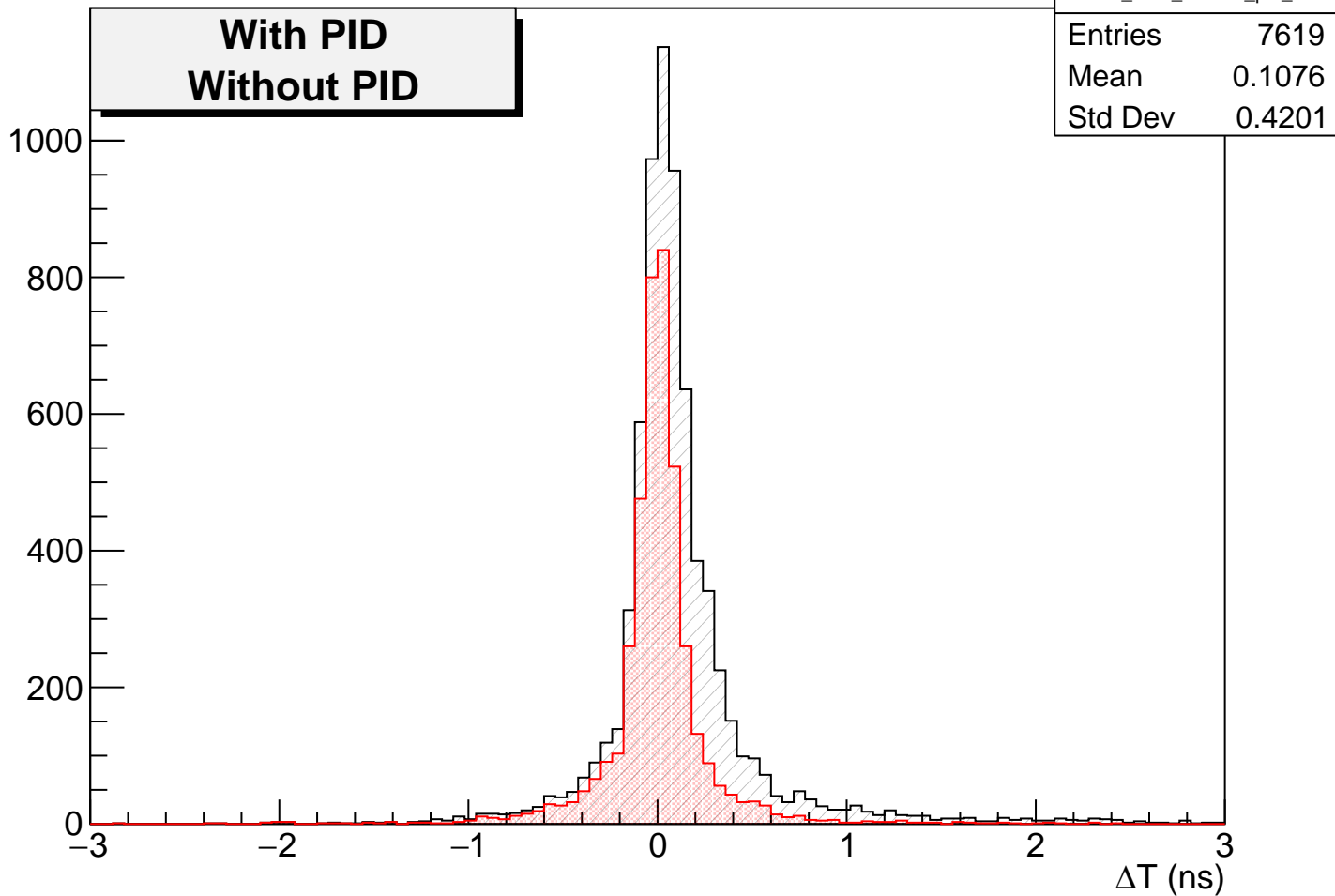
Momentum range [6.25, 6.30] GeV (Without PID)

Counts



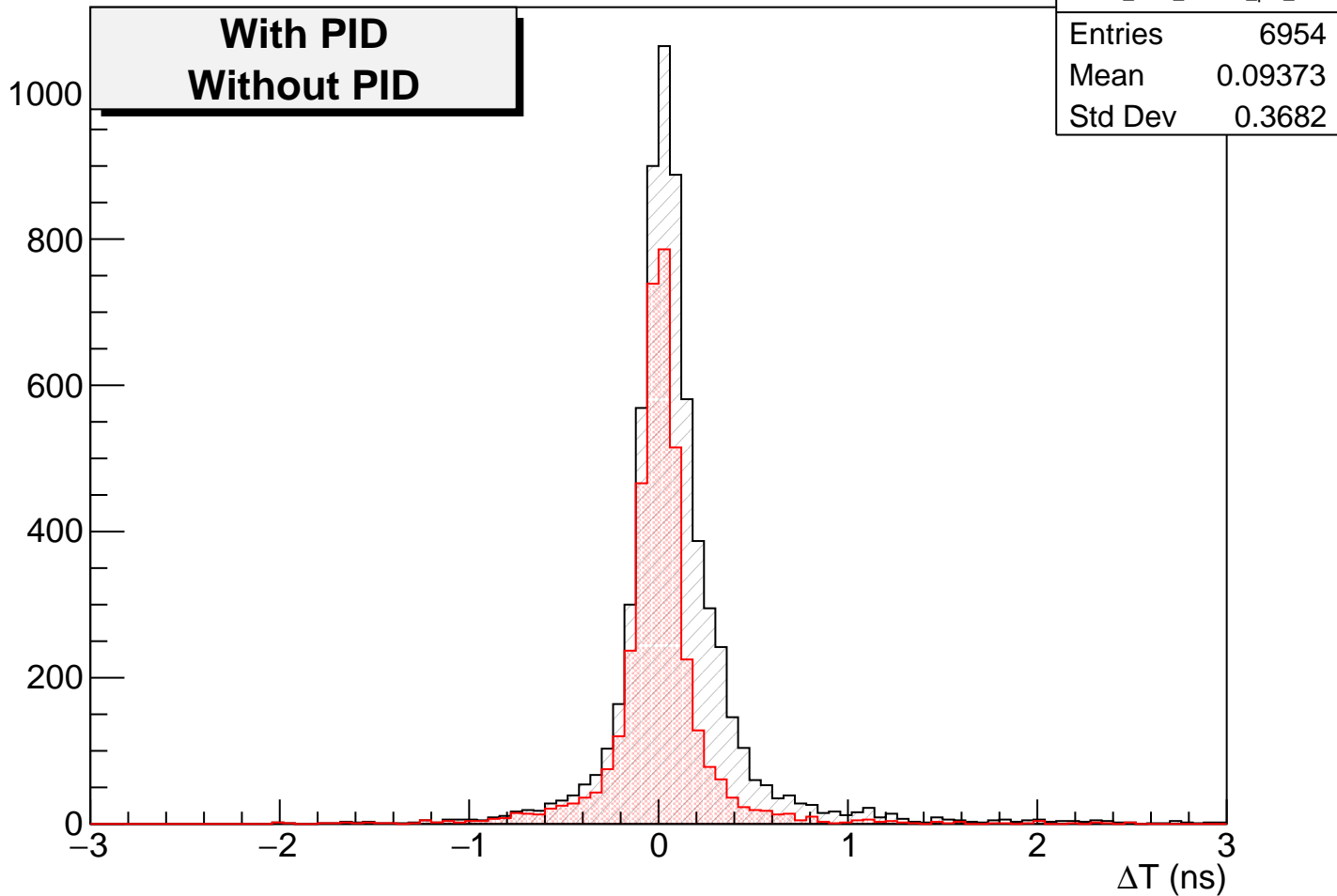
Momentum range [6.30, 6.35] GeV (Without PID)

Counts



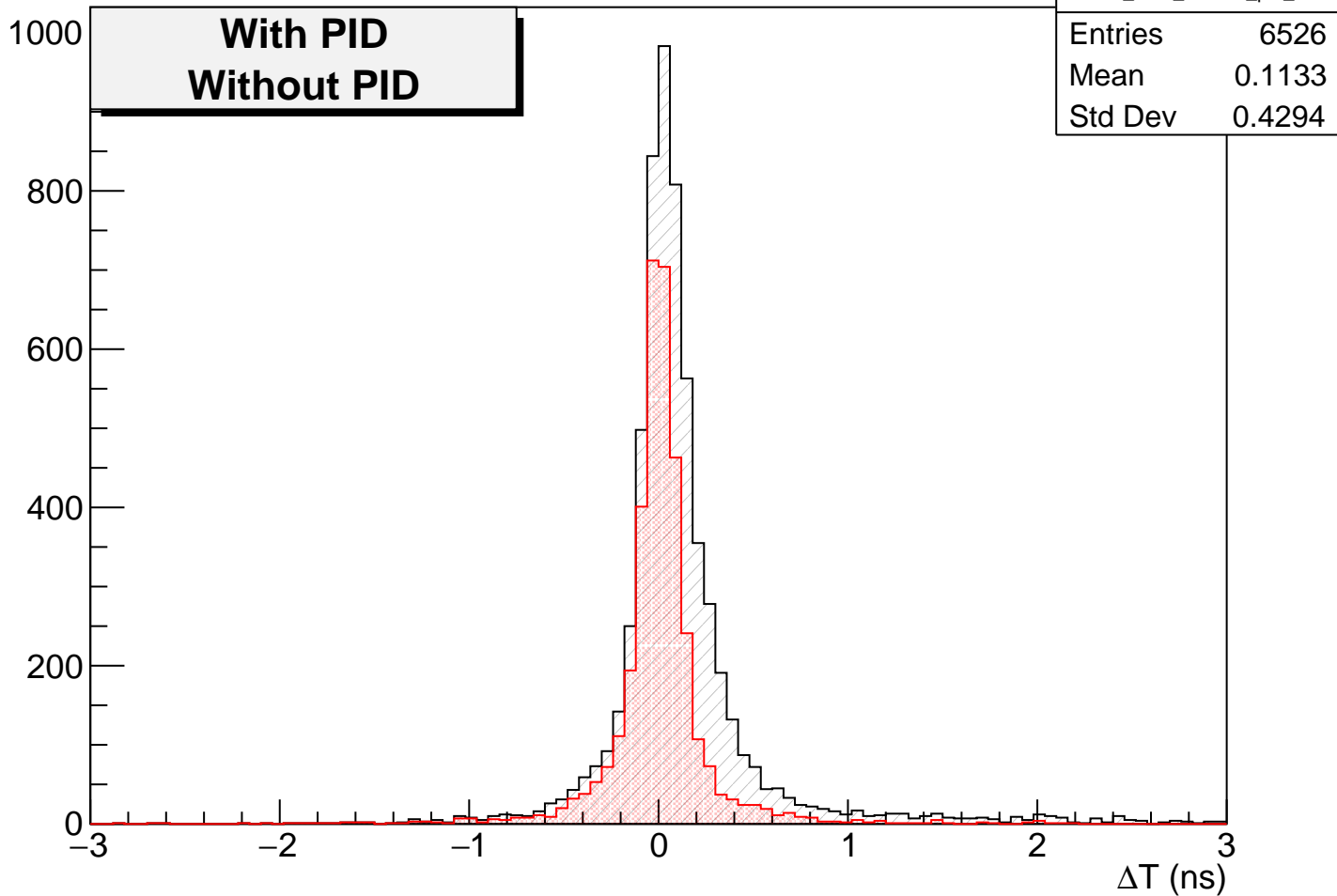
Momentum range [6.35, 6.40] GeV (Without PID)

Counts

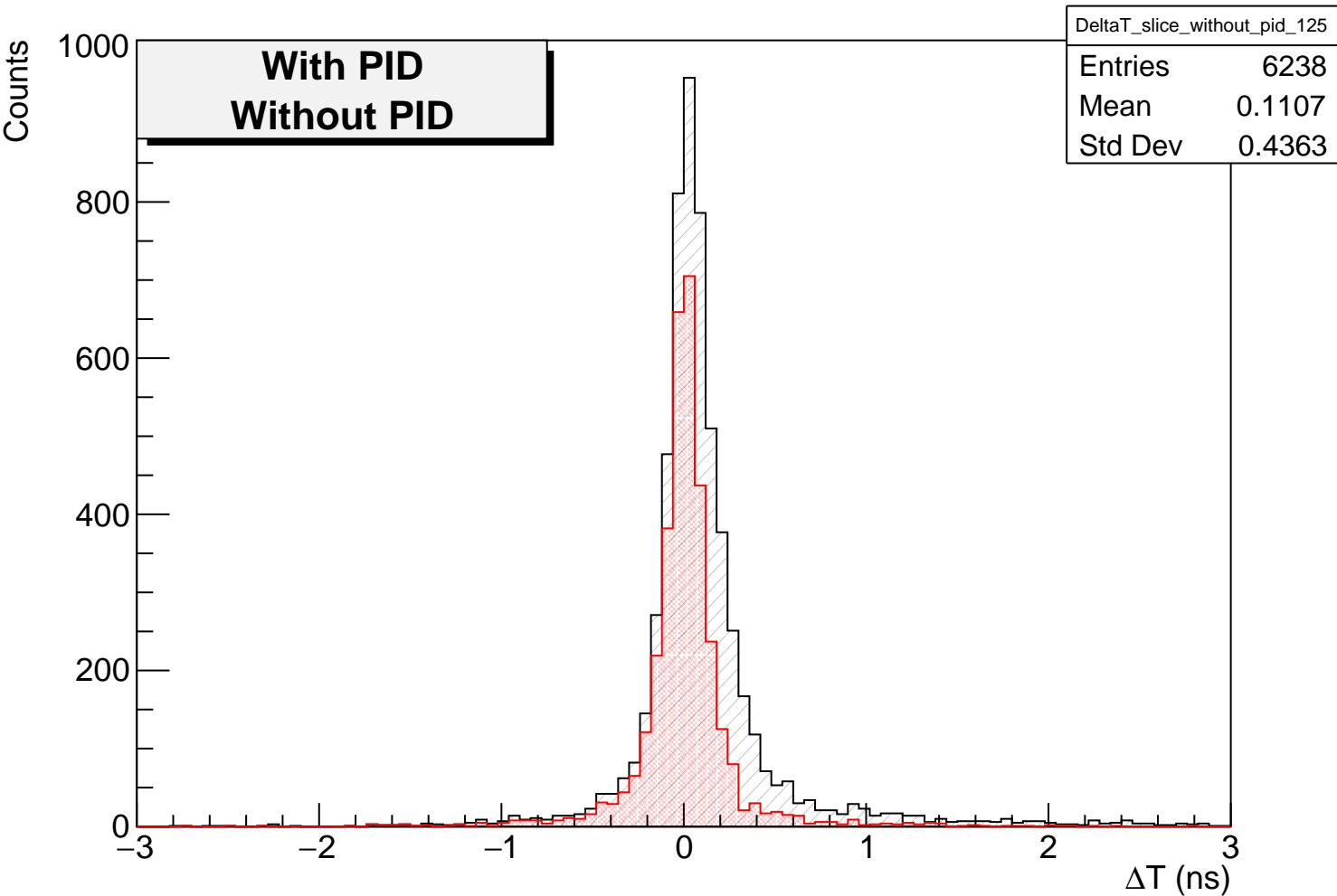


Momentum range [6.40, 6.45] GeV (Without PID)

Counts



Momentum range [6.45, 6.50] GeV (Without PID)

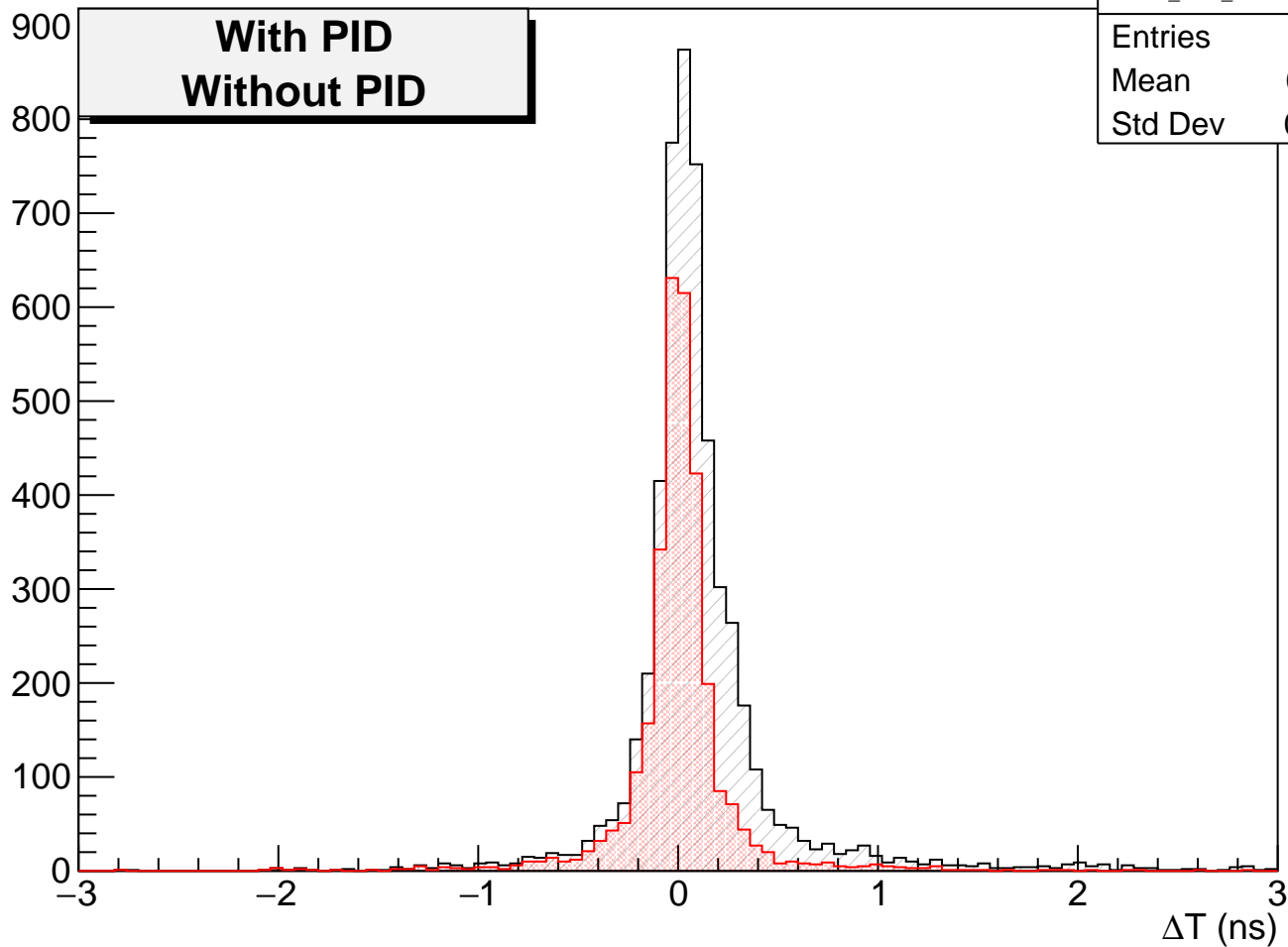


Momentum range [6.50, 6.55] GeV (Without PID)

Counts

With PID
Without PID

DeltaT_slice_without_pid_126	
Entries	5703
Mean	0.1016
Std Dev	0.4114

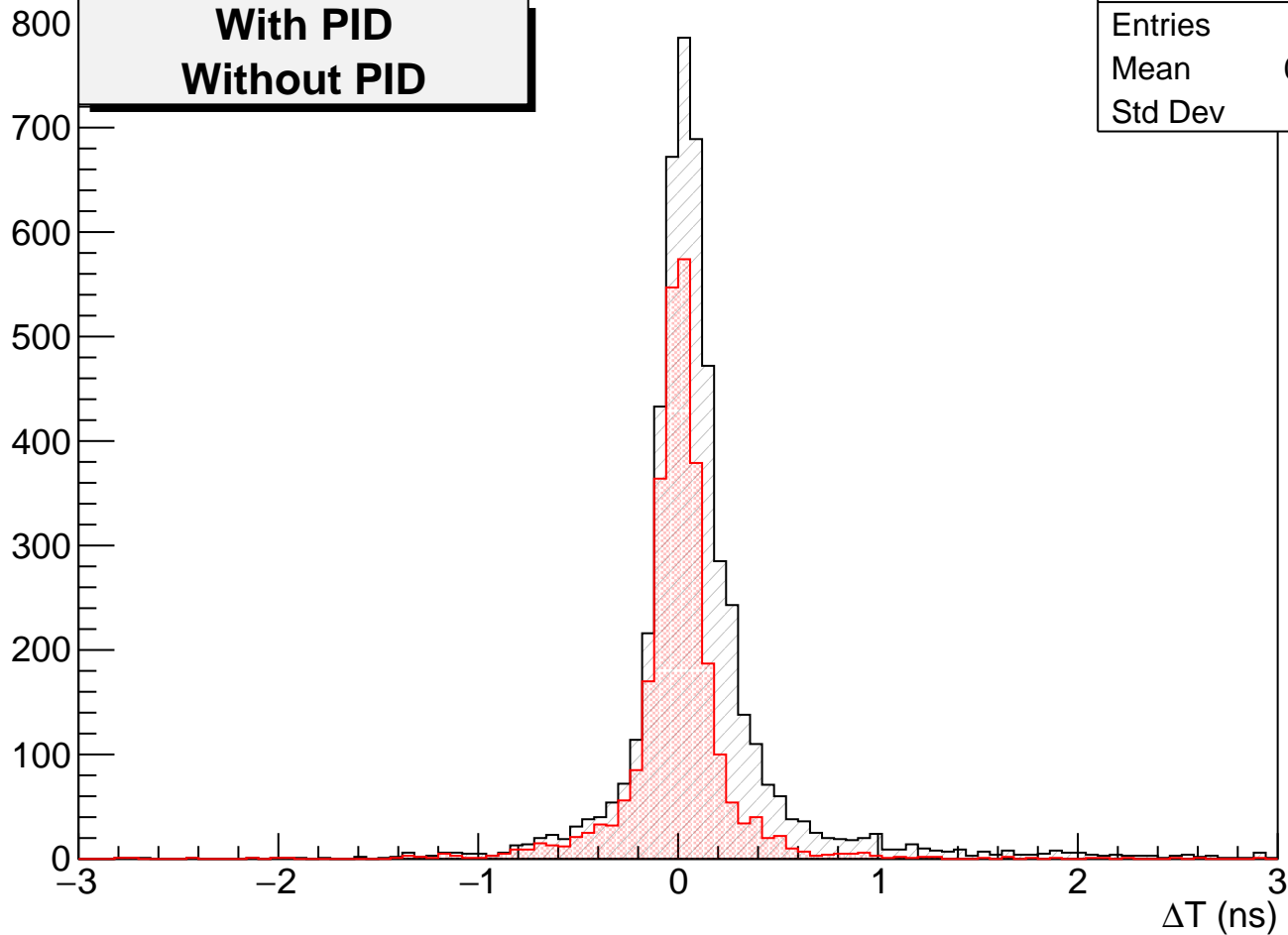


Momentum range [6.55, 6.60] GeV (Without PID)

Counts

With PID
Without PID

DeltaT_slice_without_pid_127	
Entries	5408
Mean	0.1054
Std Dev	0.4241

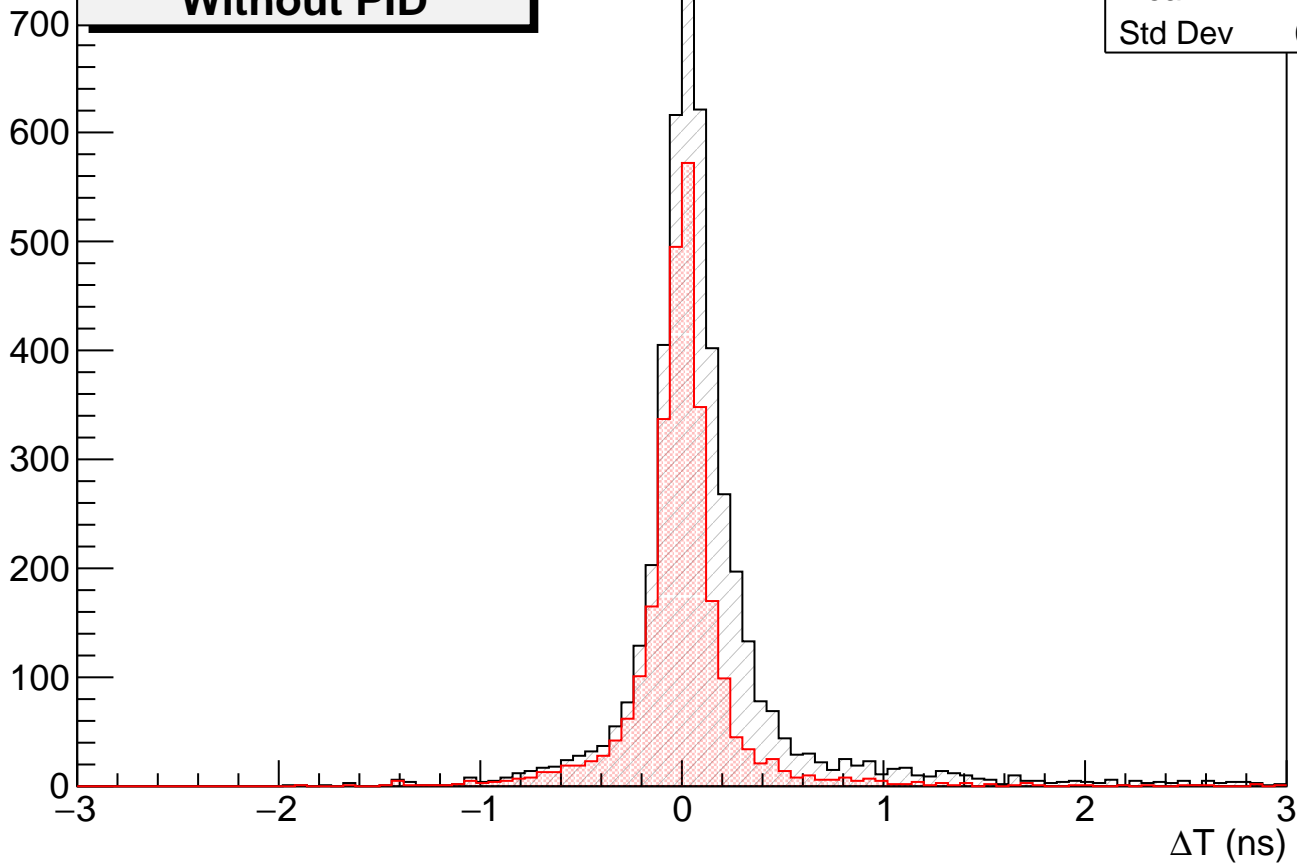


Momentum range [6.60, 6.65] GeV (Without PID)

Counts

With PID
Without PID

DeltaT_slice_without_pid_128	
Entries	4987
Mean	0.1134
Std Dev	0.4399

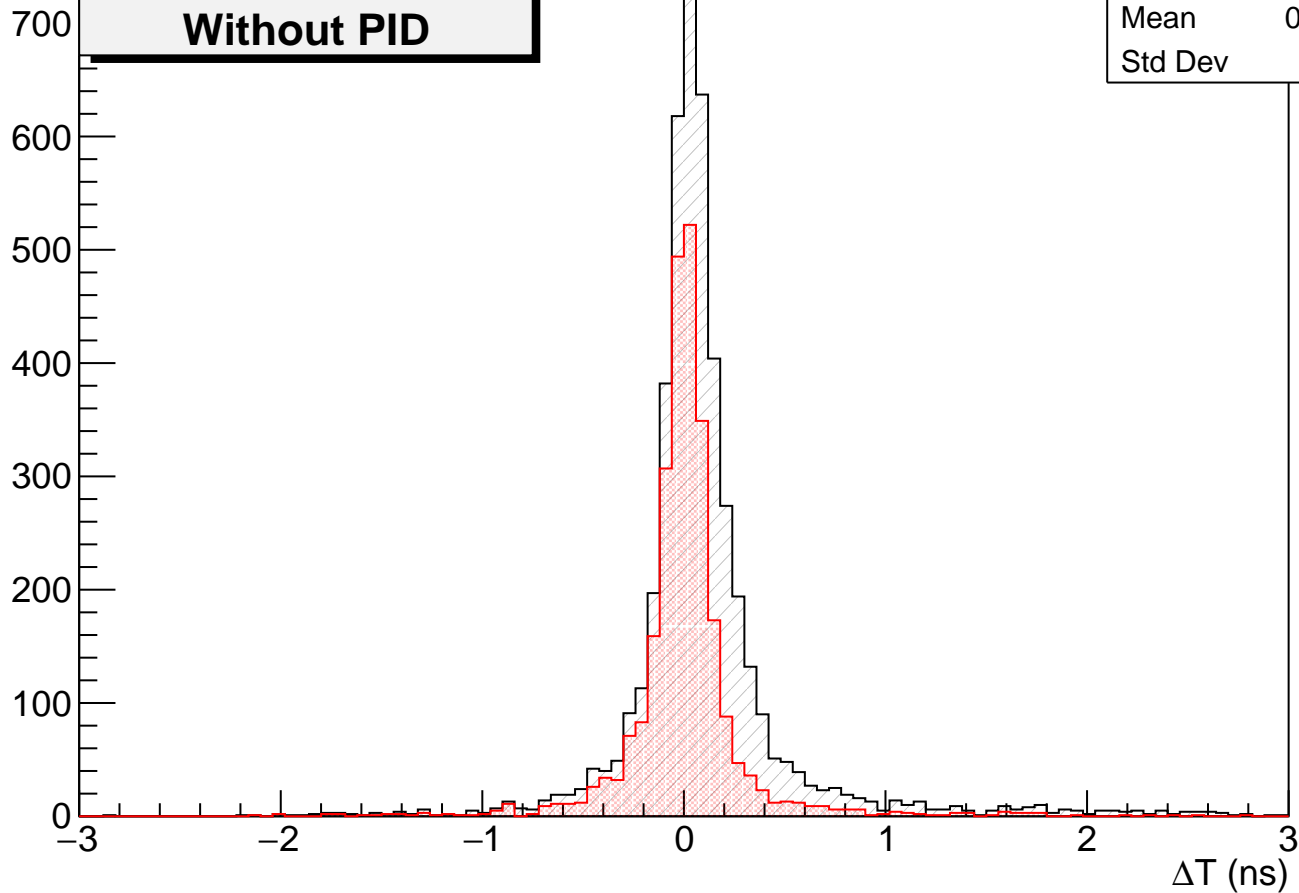


Momentum range [6.65, 6.70] GeV (Without PID)

Counts

With PID
Without PID

DeltaT_slice_without_pid_129	
Entries	4938
Mean	0.09928
Std Dev	0.4364

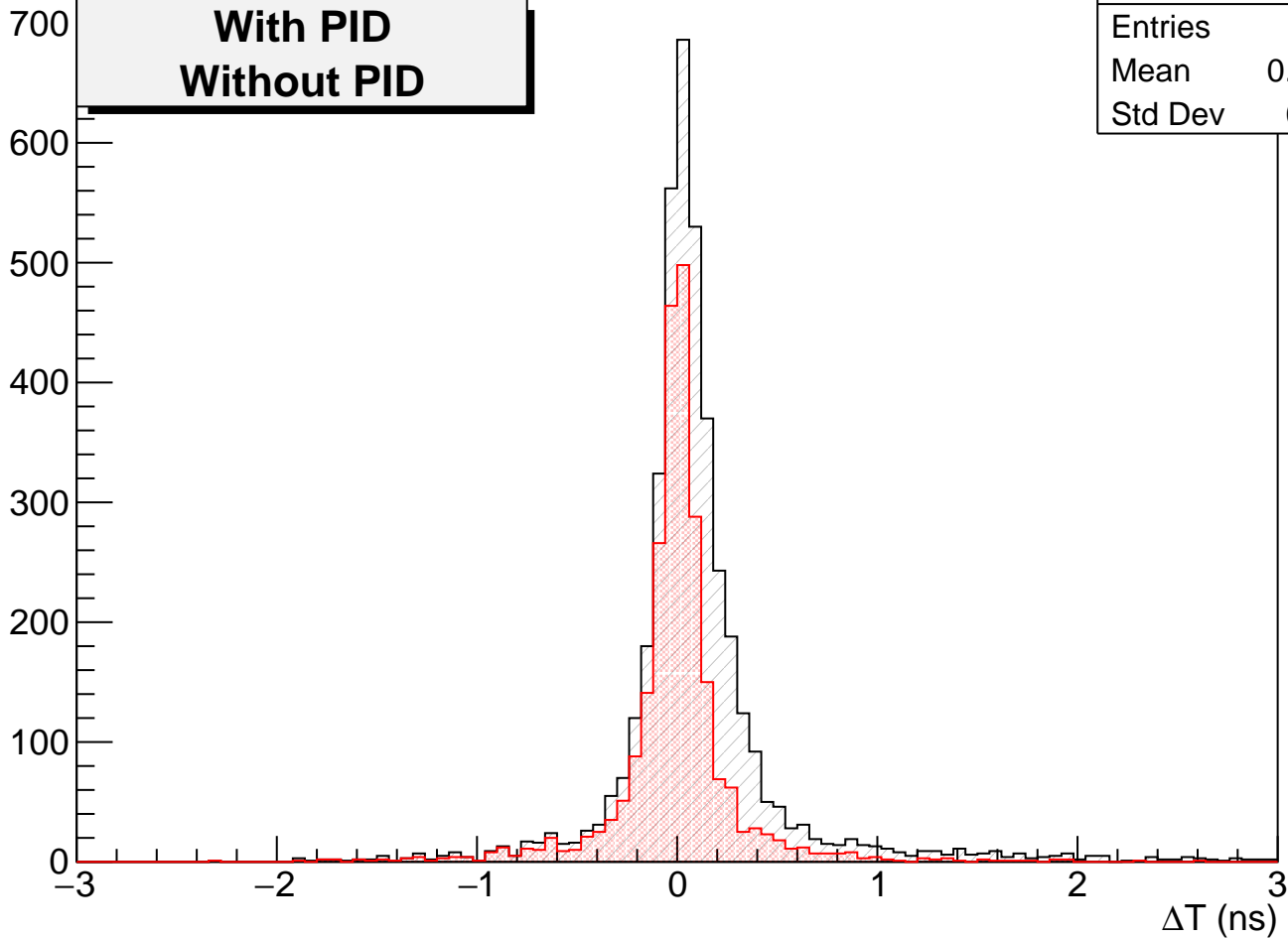


Momentum range [6.70, 6.75] GeV (Without PID)

Counts

With PID
Without PID

DeltaT_slice_without_pid_130	
Entries	4473
Mean	0.09993
Std Dev	0.4415



Momentum range [6.75, 6.80] GeV (Without PID)

Counts

600

With PID
Without PID

500

400

300

200

100

0

-3

-2

-1

0

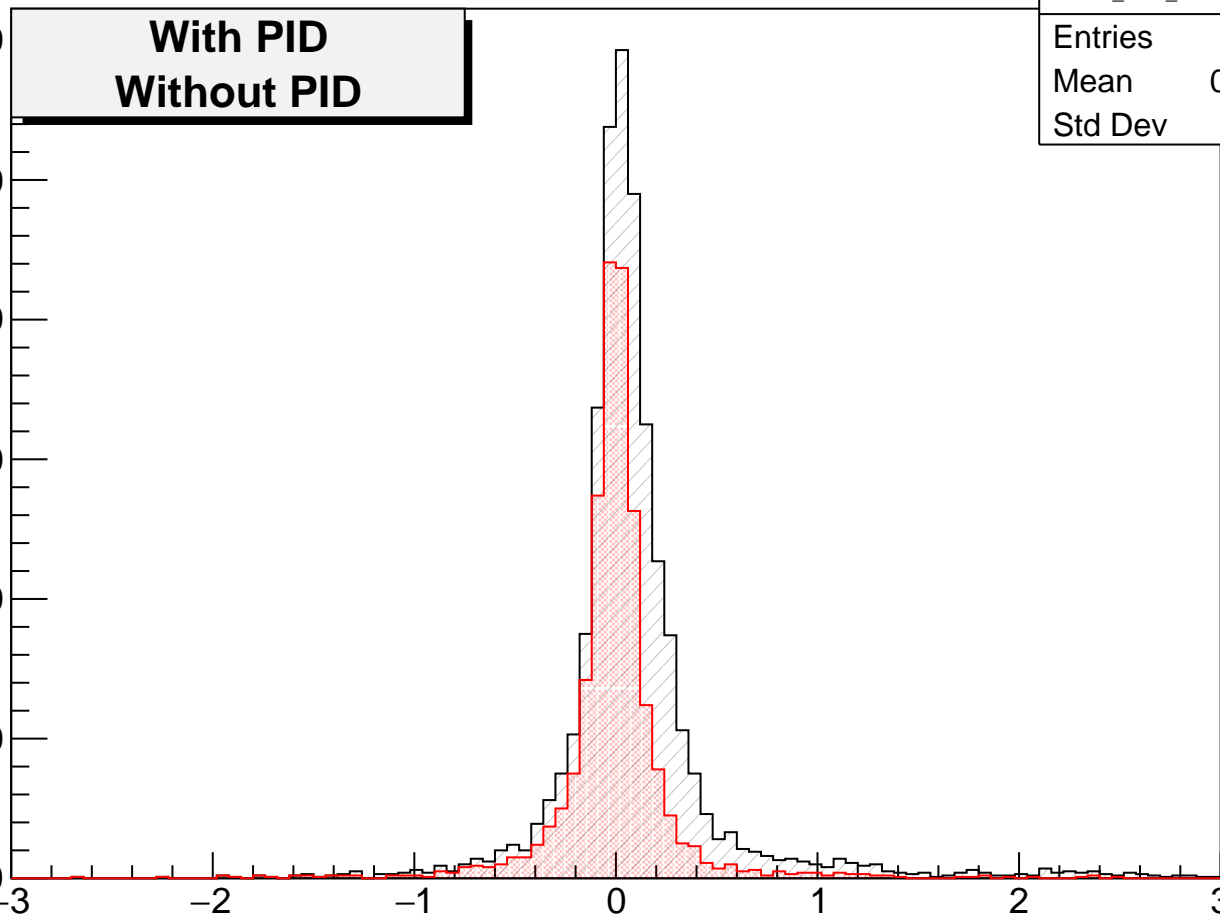
1

2

3

ΔT (ns)

DeltaT_slice_without_pid_131	
Entries	4144
Mean	0.09752
Std Dev	0.4391



Momentum range [6.80, 6.85] GeV (Without PID)

Counts

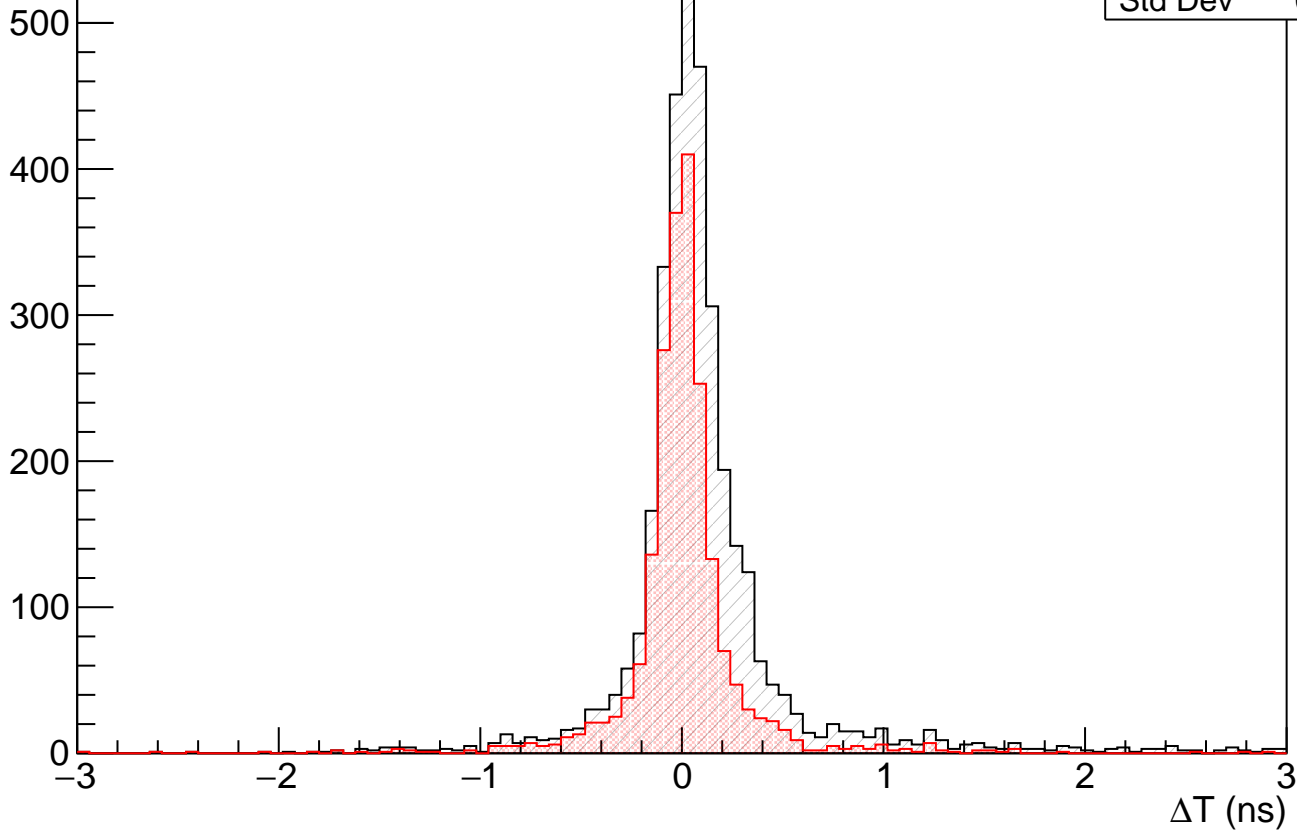
With PID
Without PID

DeltaT_slice_without_pid_132

Entries 3828

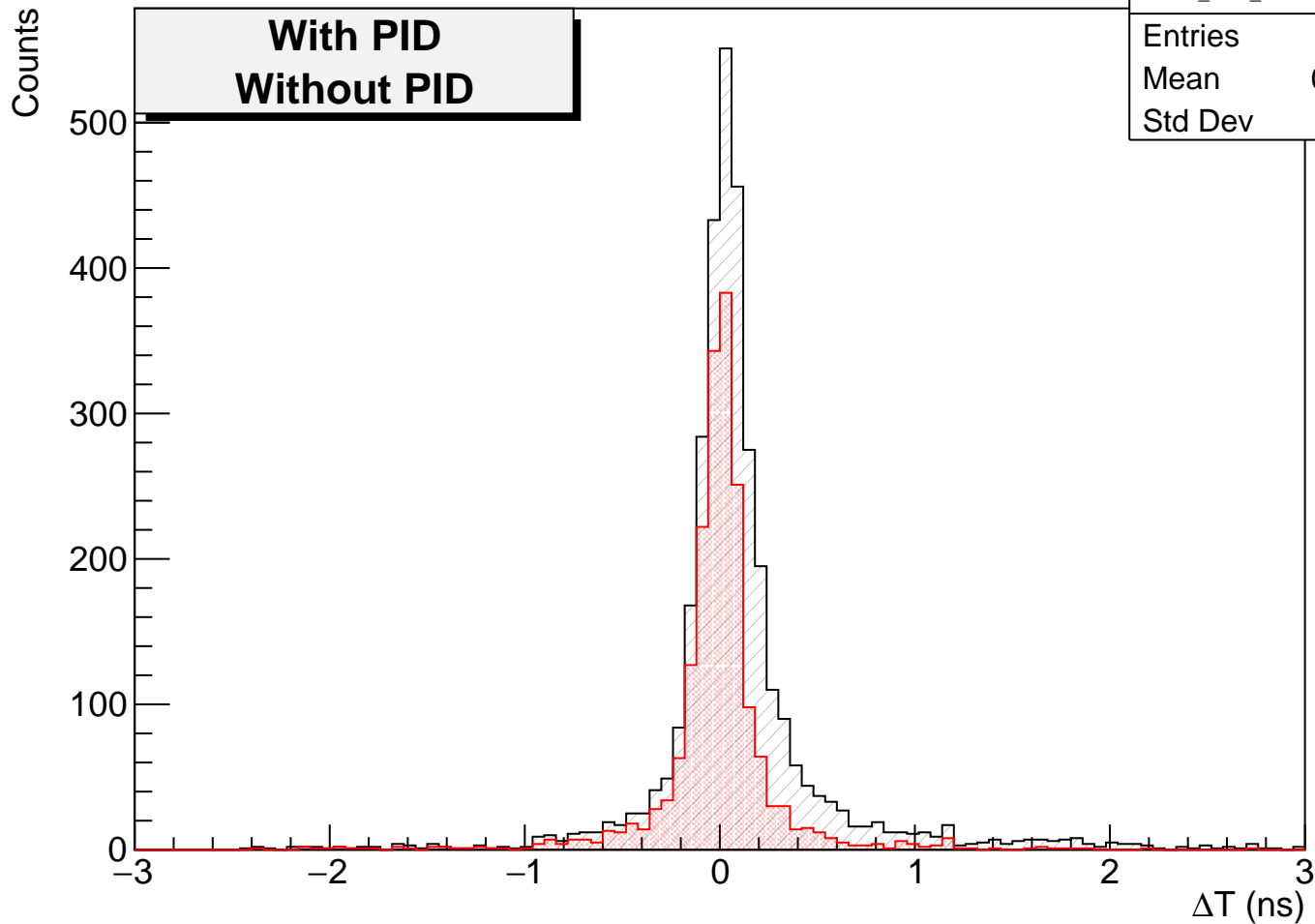
Mean 0.1022

Std Dev 0.4558



Momentum range [6.85, 6.90] GeV (Without PID)

DeltaT_slice_without_pid_133	
Entries	3633
Mean	0.1007
Std Dev	0.47

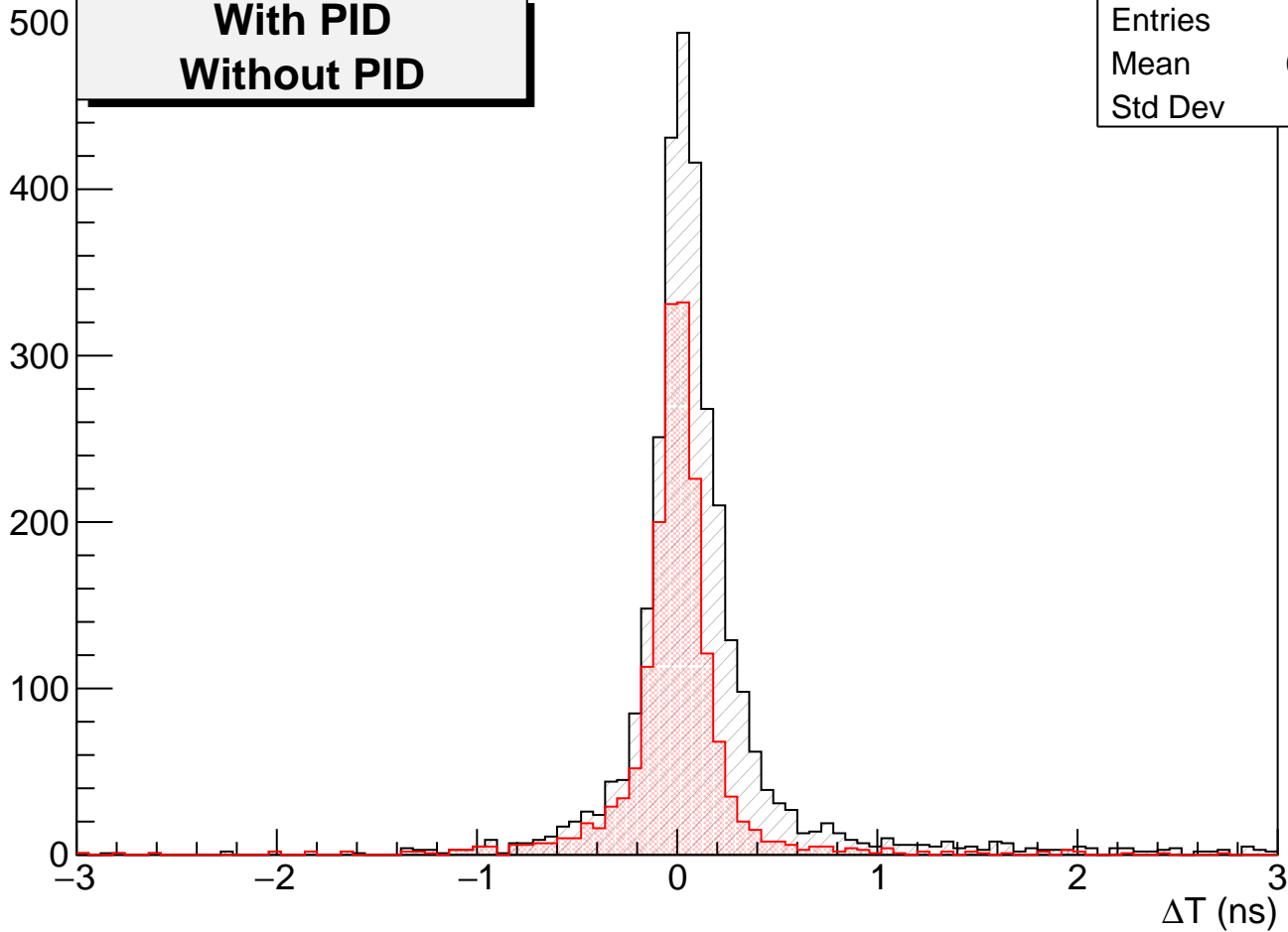


Momentum range [6.90, 6.95] GeV (Without PID)

Counts

With PID
Without PID

DeltaT_slice_without_pid_134	
Entries	3434
Mean	0.1062
Std Dev	0.469



Momentum range [6.95, 7.00] GeV (Without PID)

Counts

With PID
Without PID

DeltaT_slice_without_pid_135	
Entries	3148
Mean	0.1138
Std Dev	0.4436

