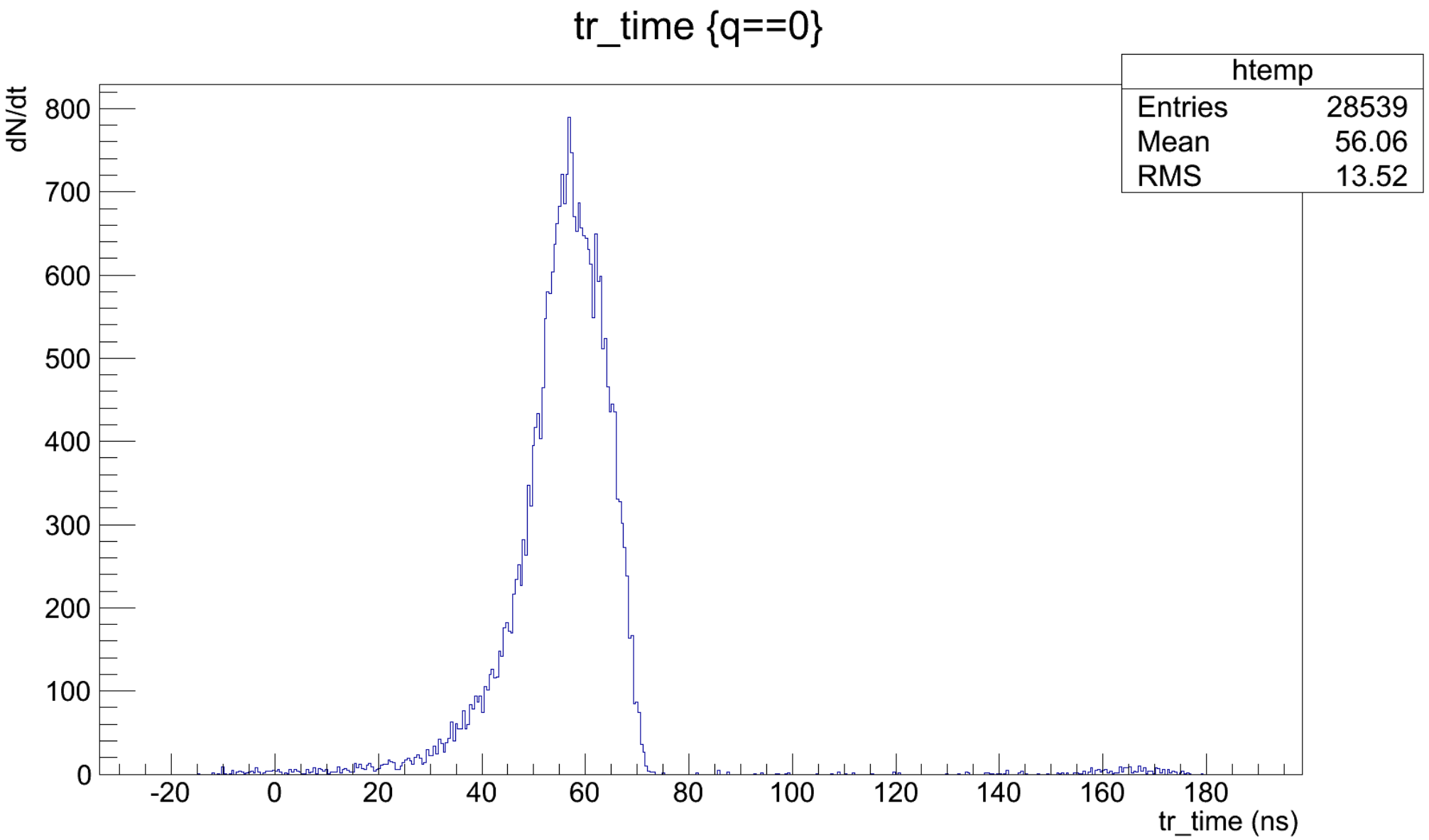
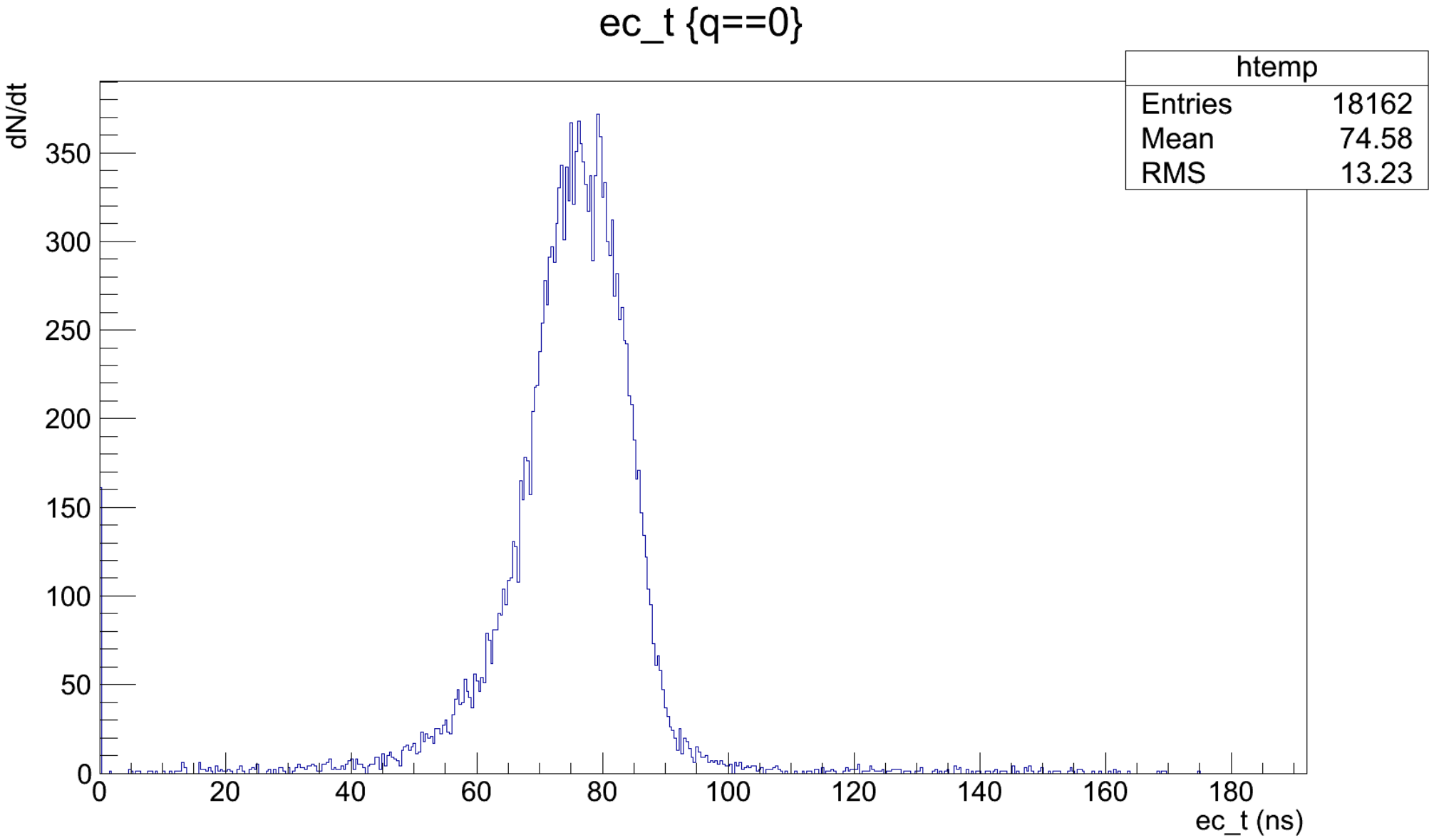
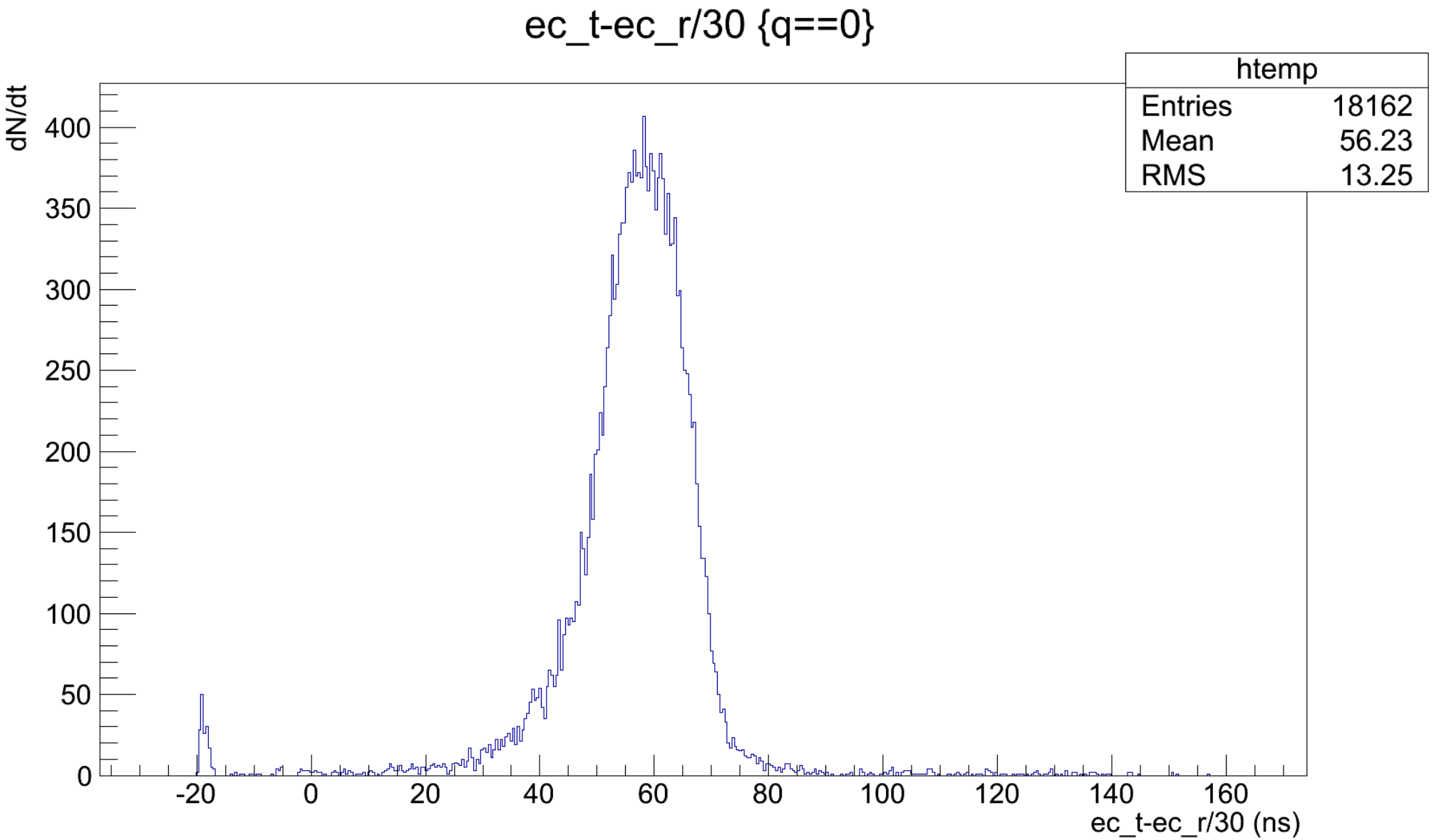
Gamma ID


tr_time {q==0}
htemp
Entries 28539
Mean 56.06
RMS 13.52
dN/dt
0
100
200
300
400
500
600
700
800
-20
0
20
40
60
80
100
120
140
160
180
tr_time (ns)

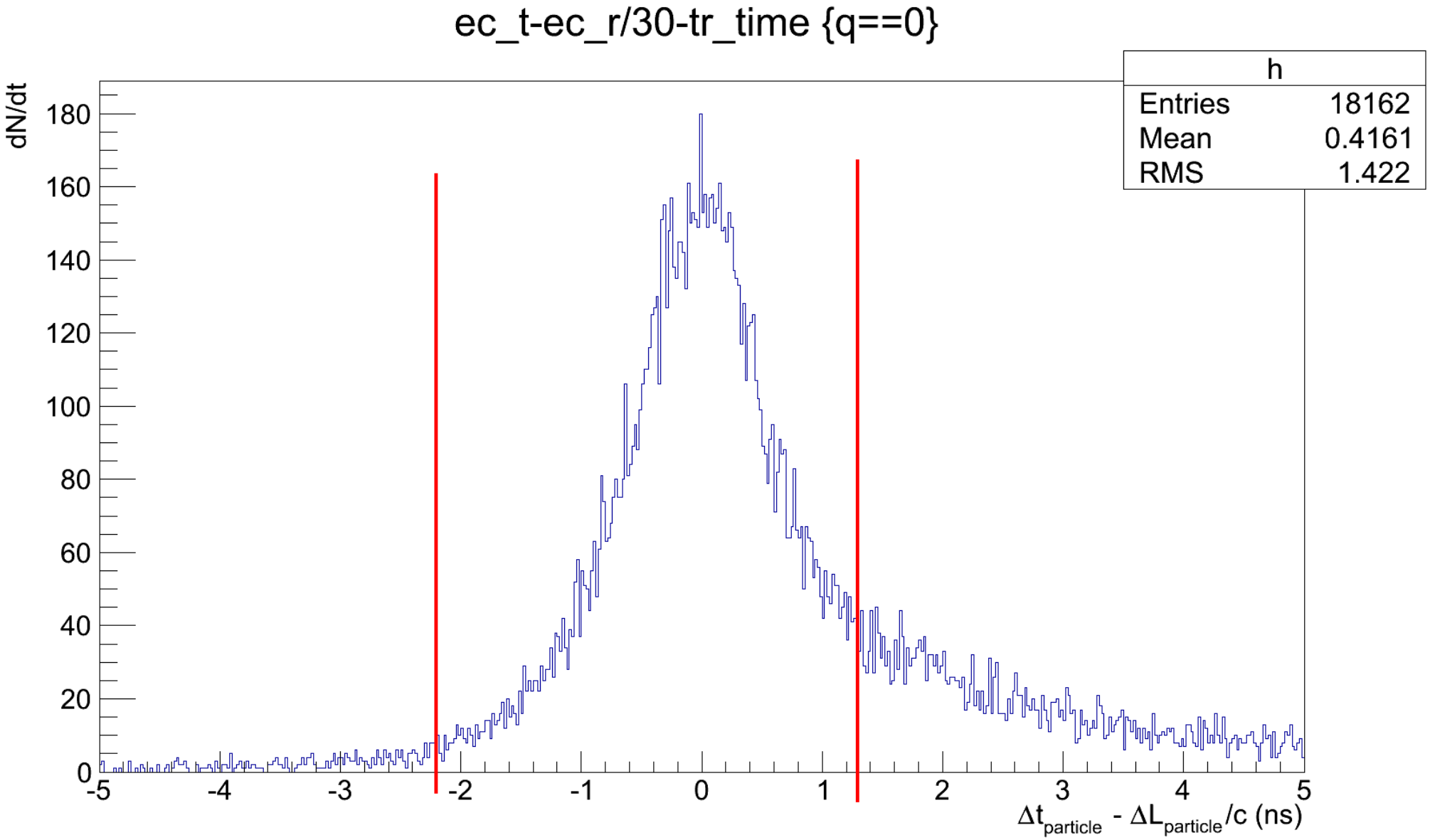
Gamma ID


ec_t {q==0}
htemp
Entries 18162
Mean 74.58
RMS 13.23
dN/dt
0
50
100
150
200
250
300
350
0
20
40
60
80
100
120
140
160
180
ec_t (ns)

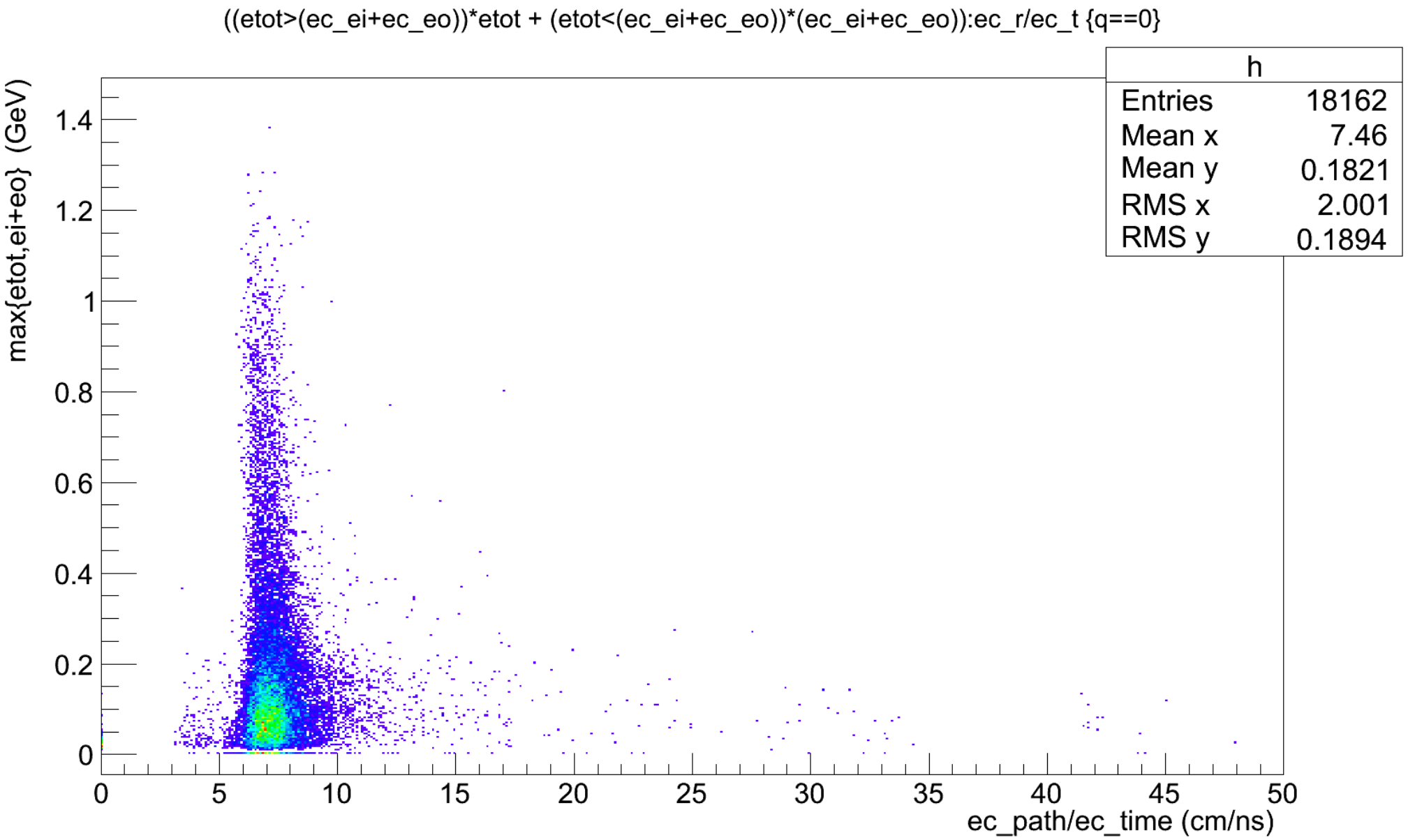
Gamma ID


ec_t-ec_r/30 {q==0}
htemp
Entries 18162
Mean 56.23
RMS 13.25
dN/dt
0
50
100
150
200
250
300
350
400
-20
0
20
40
60
80
100
120
140
160
ec_t-ec_r/30 (ns)

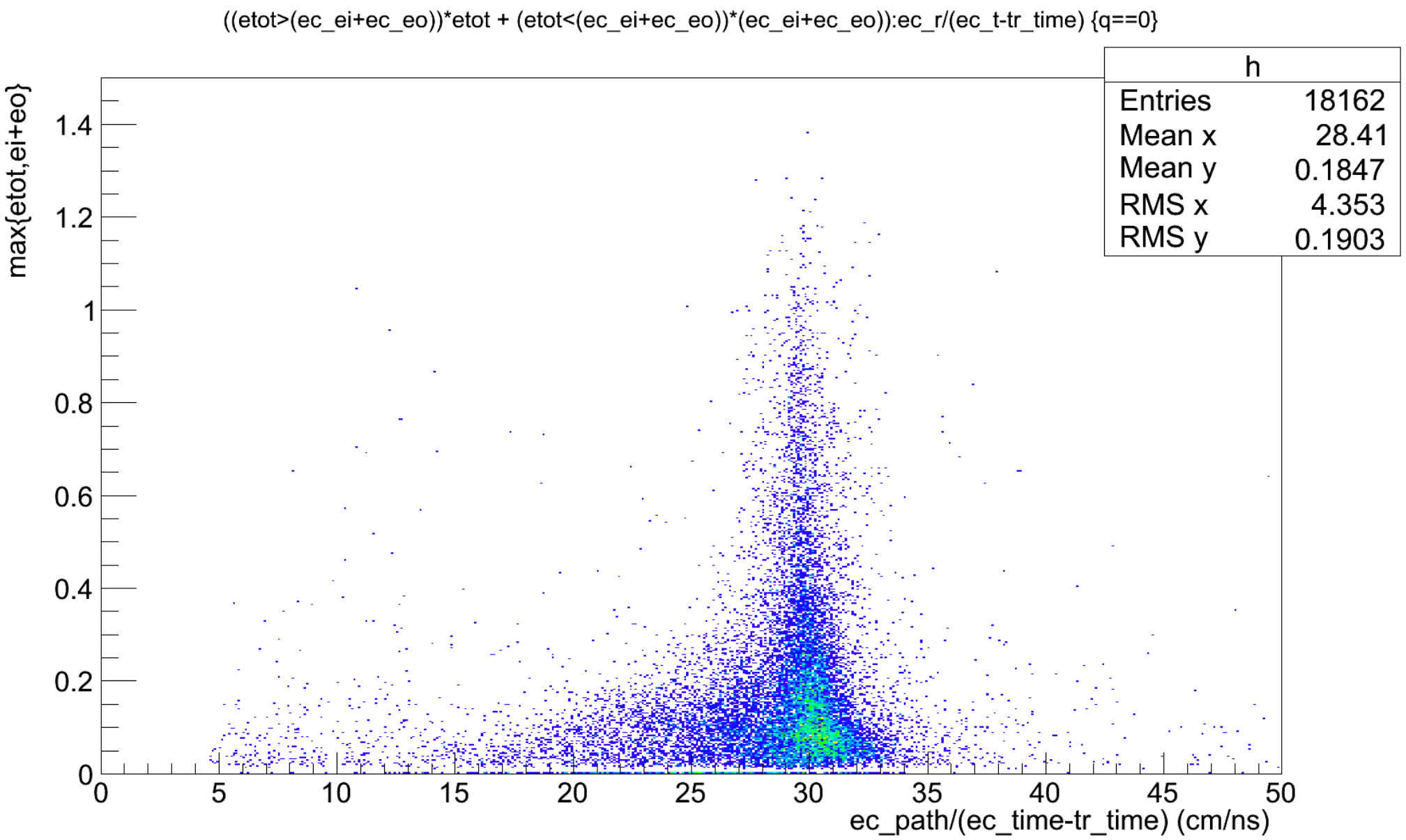
Gamma ID (Taya cut)



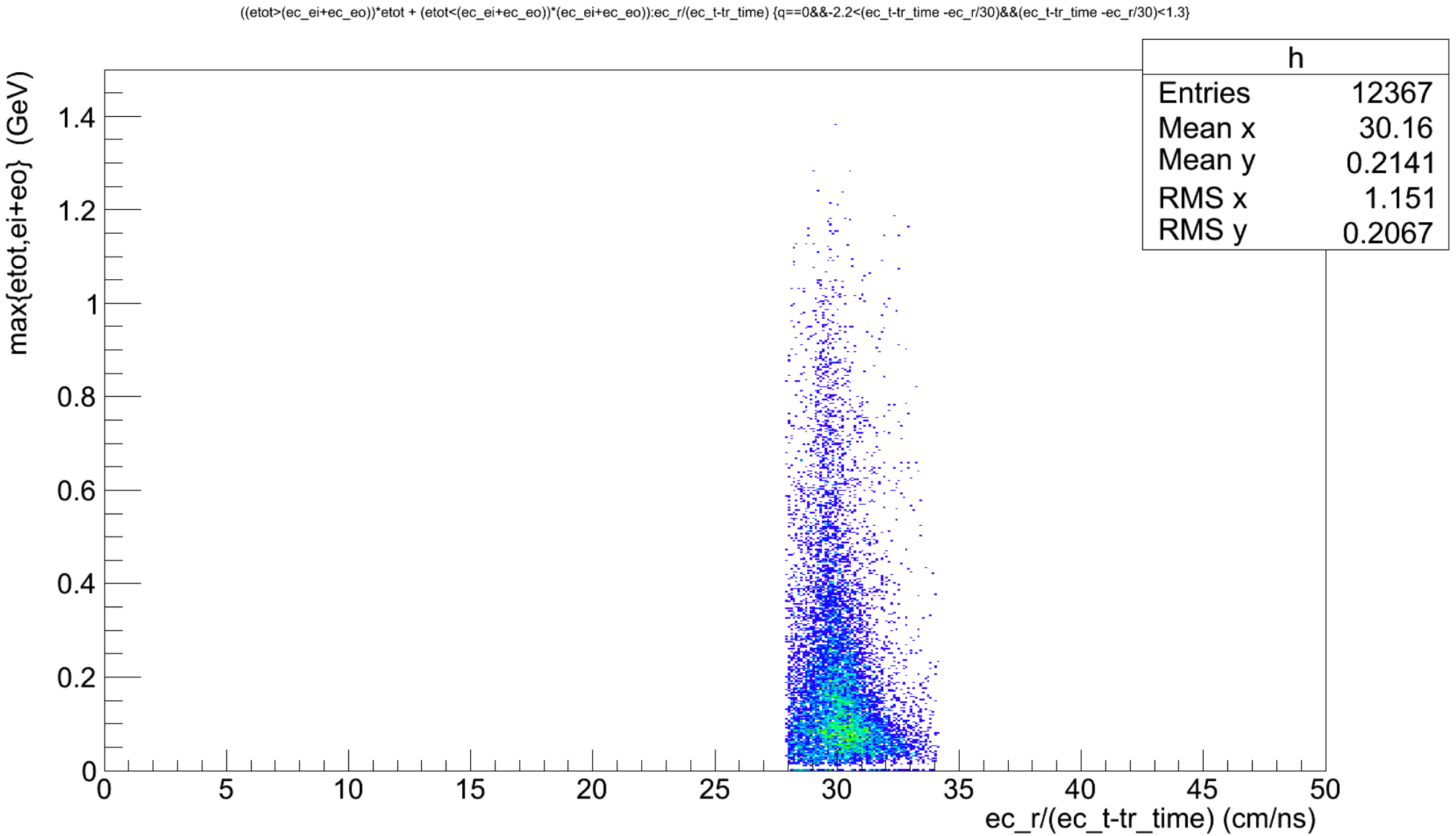
Gamma ID


((etot>(ec_ei+ec_eo))*etot + (etot<(ec_ei+ec_eo))*(ec_ei+ec_eo)):ec_r/ec_t {q==0}
h
Entries 18162
Mean x 7.46
Mean y 0.1821
RMS x 2.001
RMS y 0.1894
max{etot,ei+eo} (GeV)
ec_path/ec_time (cm/ns)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35
40
45
50

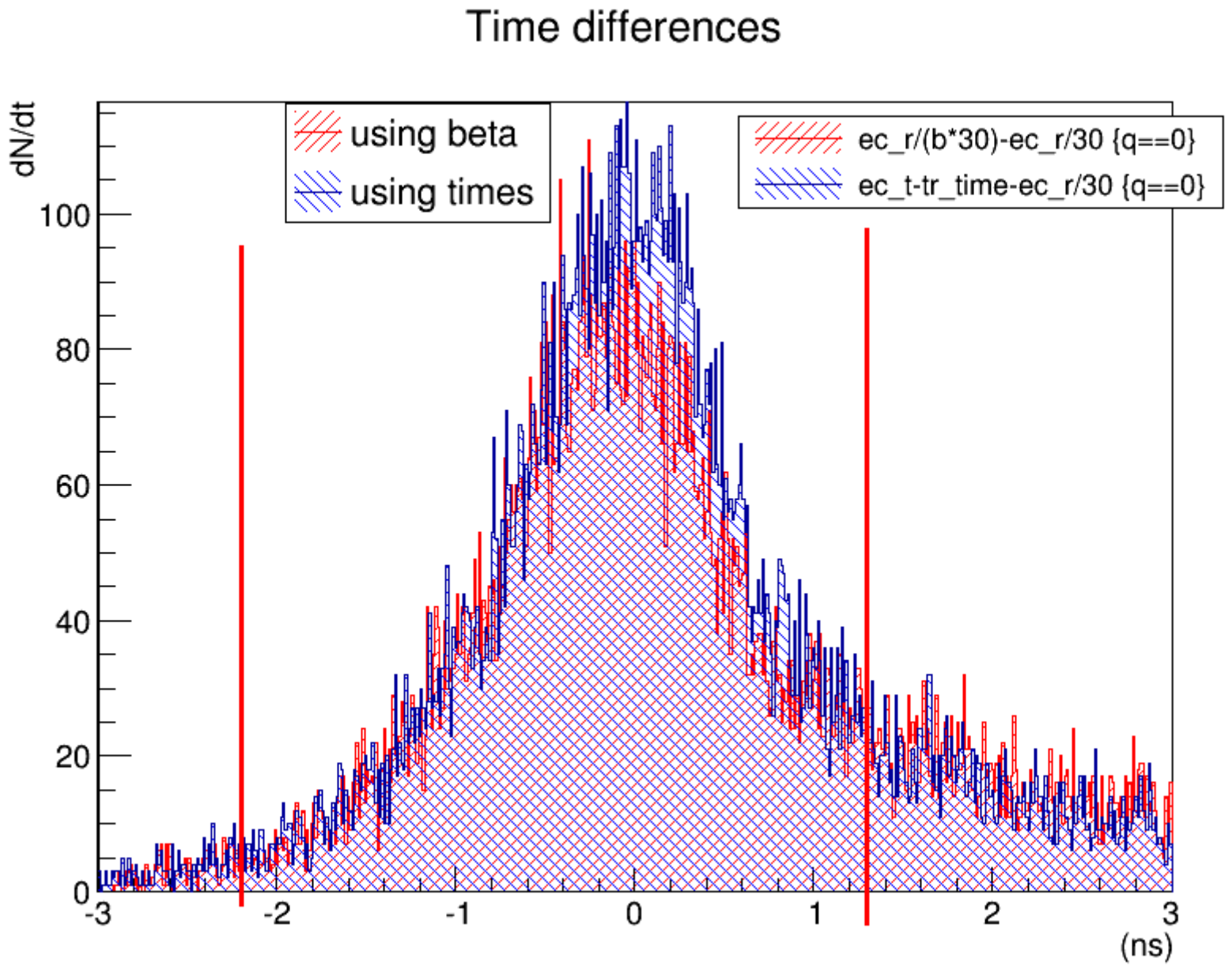
Gamma

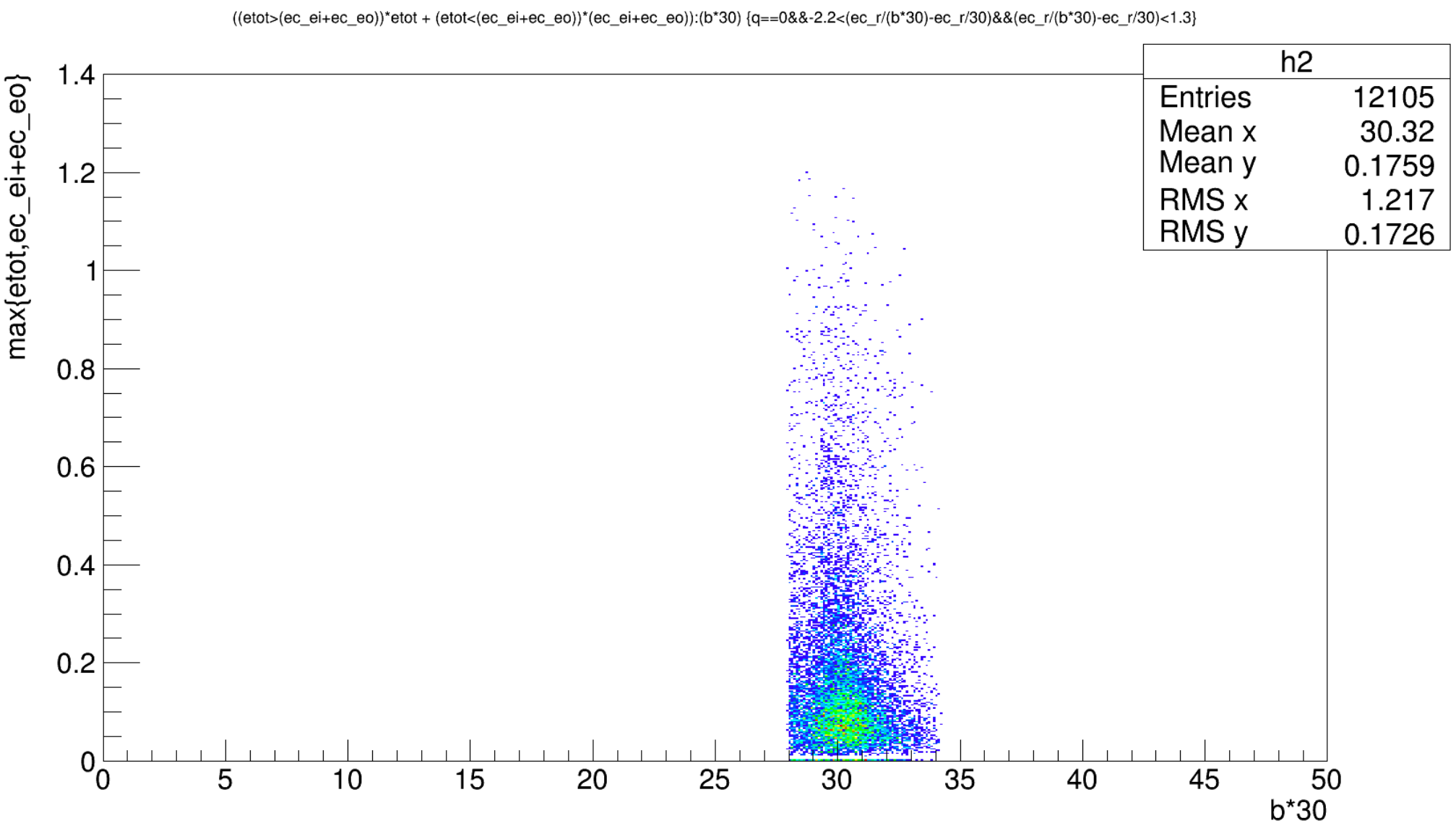

((etot>(ec_ei+ec_eo))*etot + (etot<(ec_ei+ec_eo))*(ec_ei+ec_eo)):ec_r/(ec_t-tr_time) {q==0}
h
Entries 18162
Mean x 28.41
Mean y 0.1847
RMS x 4.353
RMS y 0.1903
max{etot,ei+eo}
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35
40
45
50
ec_path/(ec_time-tr_time) (cm/ns)

Gamma


((etot>(ec_ei+ec_eo))*etot + (etot<(ec_ei+ec_eo))*(ec_ei+ec_eo)):ec_r/(ec_t-tr_time) {q==0&&-2.2<(ec_t-tr_time -ec_r/30)&&(ec_t-tr_time -ec_r/30)<1.3}
h
Entries 12367
Mean x 30.16
Mean y 0.2141
RMS x 1.151
RMS y 0.2067
max{etot,ei+eo} (GeV)
ec_r/(ec_t-tr_time) (cm/ns)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35
40
45
50

Gamma cut based on fly time.




((etot>(ec_ei+ec_eo))*etot + (etot<(ec_ei+ec_eo))*(ec_ei+ec_eo)):(b*30) {q==0&&-2.2<(ec_r/(b*30)-ec_r/30)&&(ec_r/(b*30)-ec_r/30)<1.3}
h2
Entries 12105
Mean x 30.32
Mean y 0.1759
RMS x 1.217
RMS y 0.1726
max{etot,ec_ei+ec_eo}
b*30
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
5
10
15
20
25
30
35
40
45
50