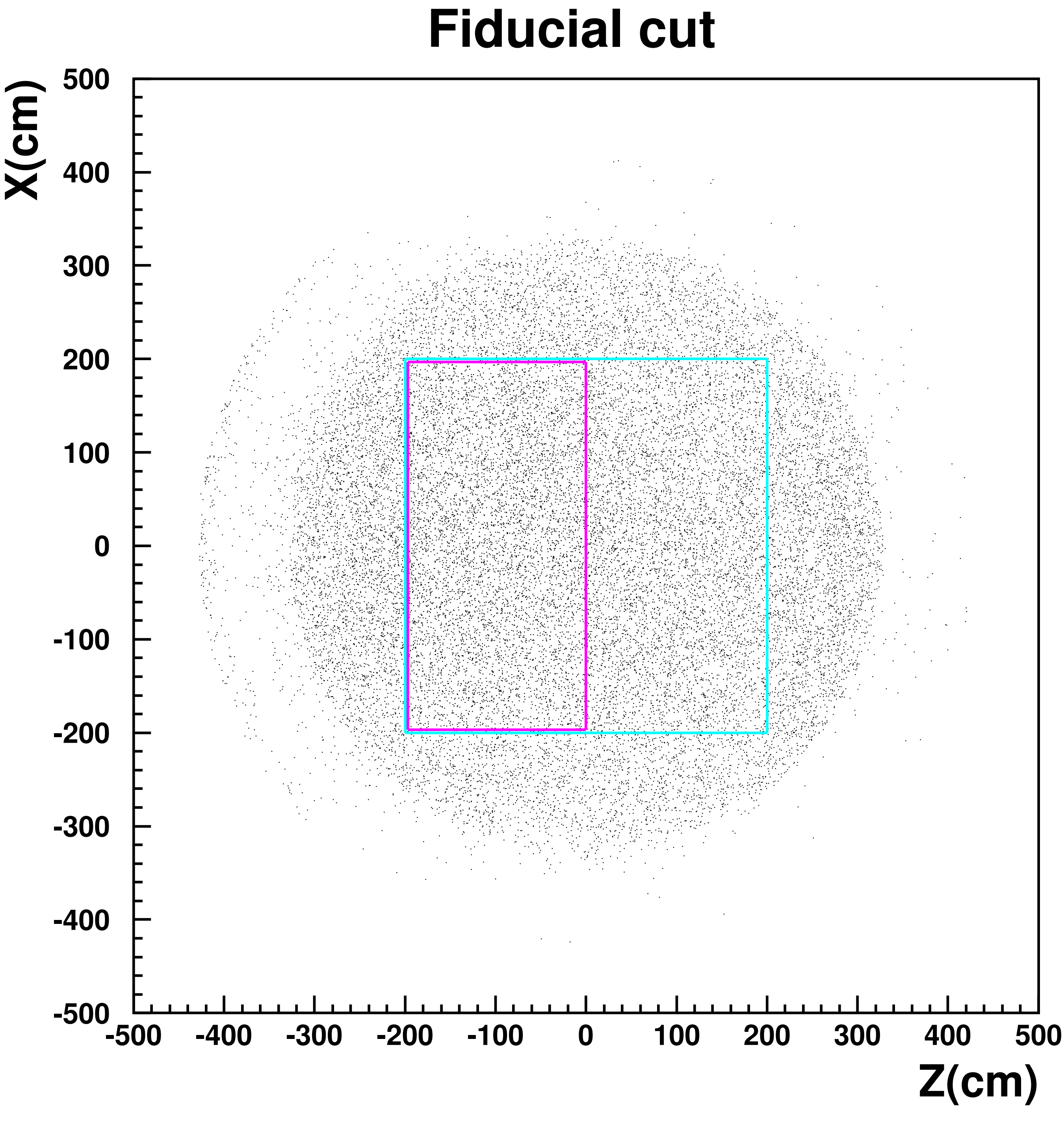
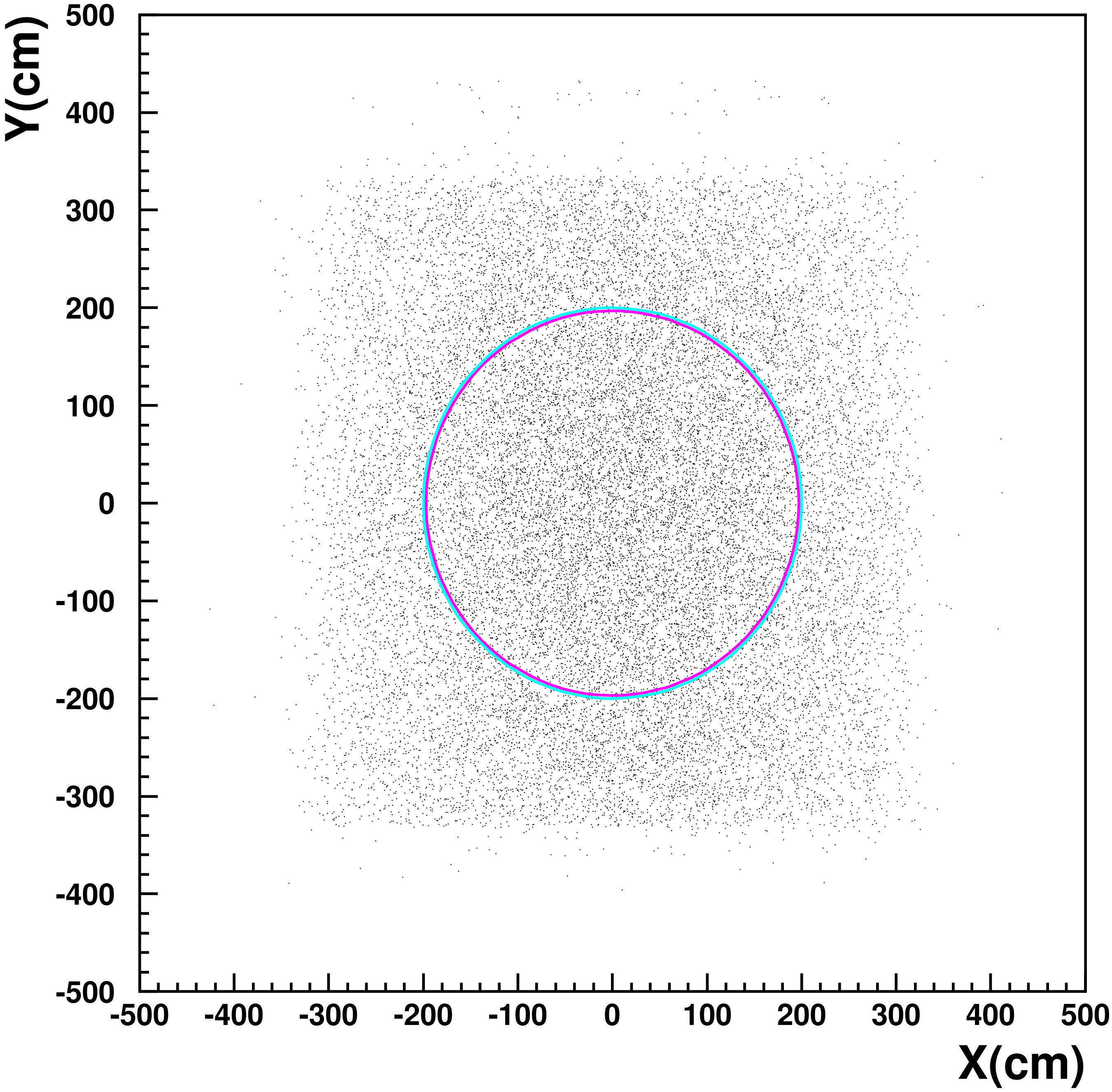
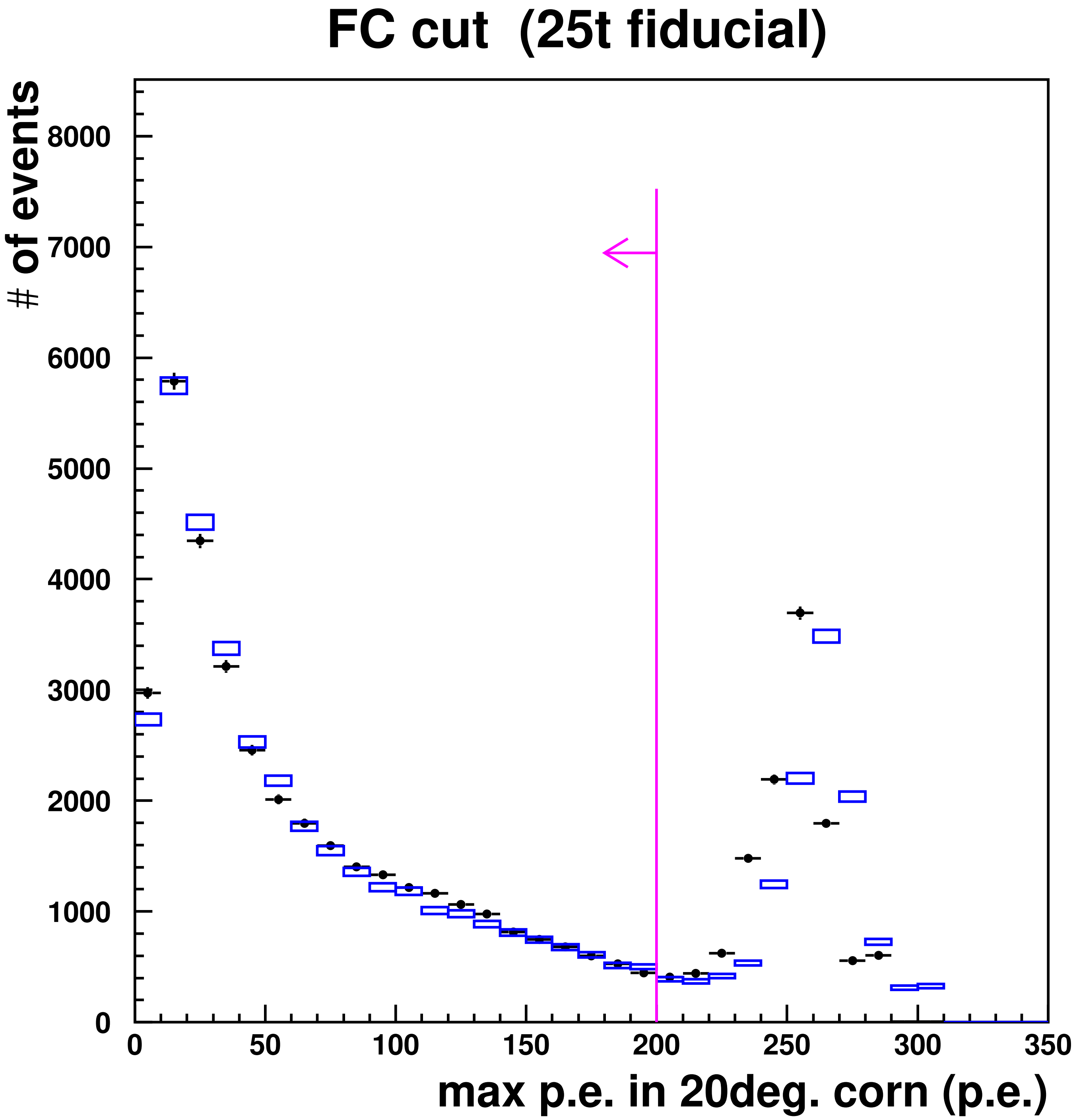
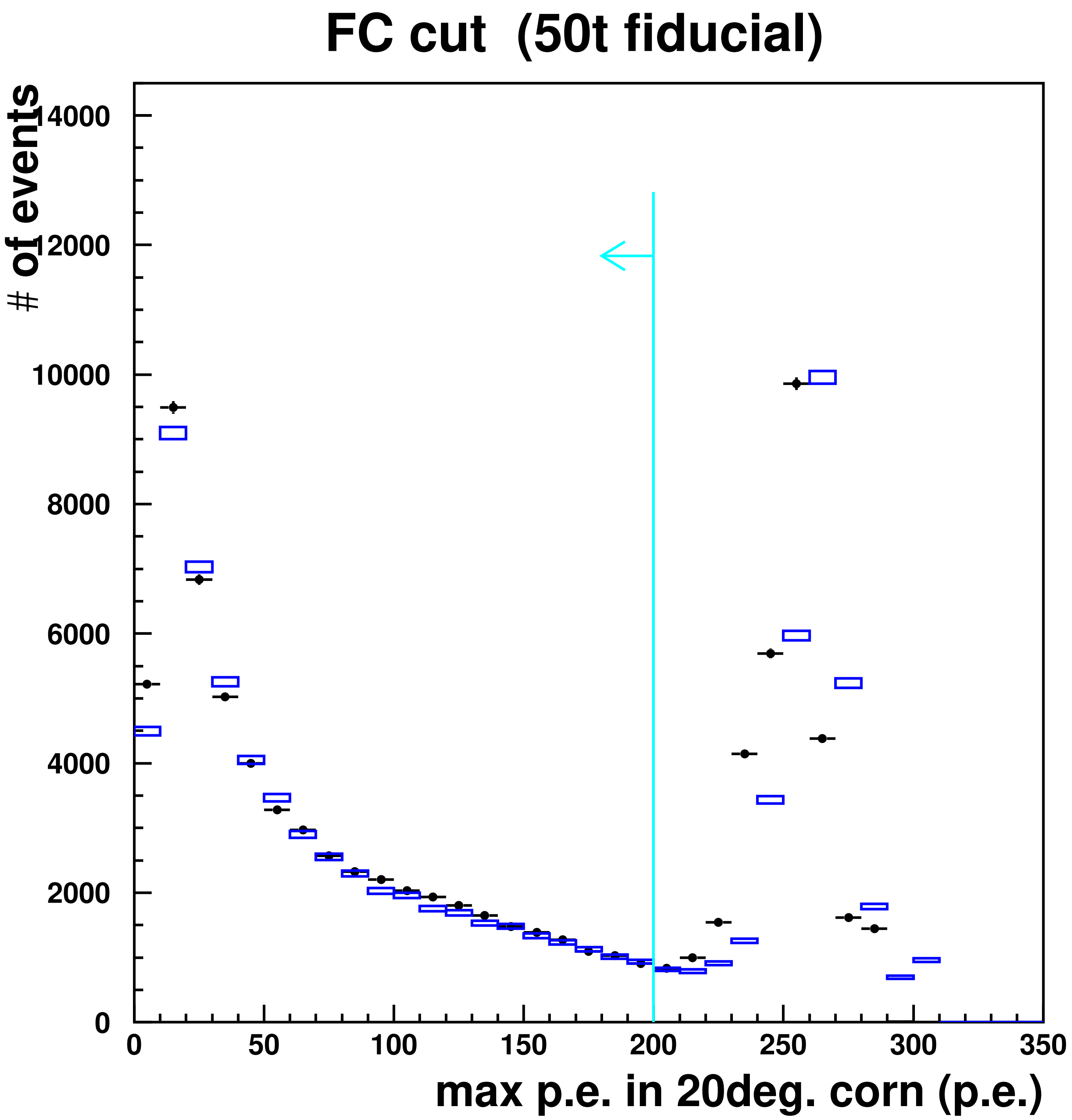
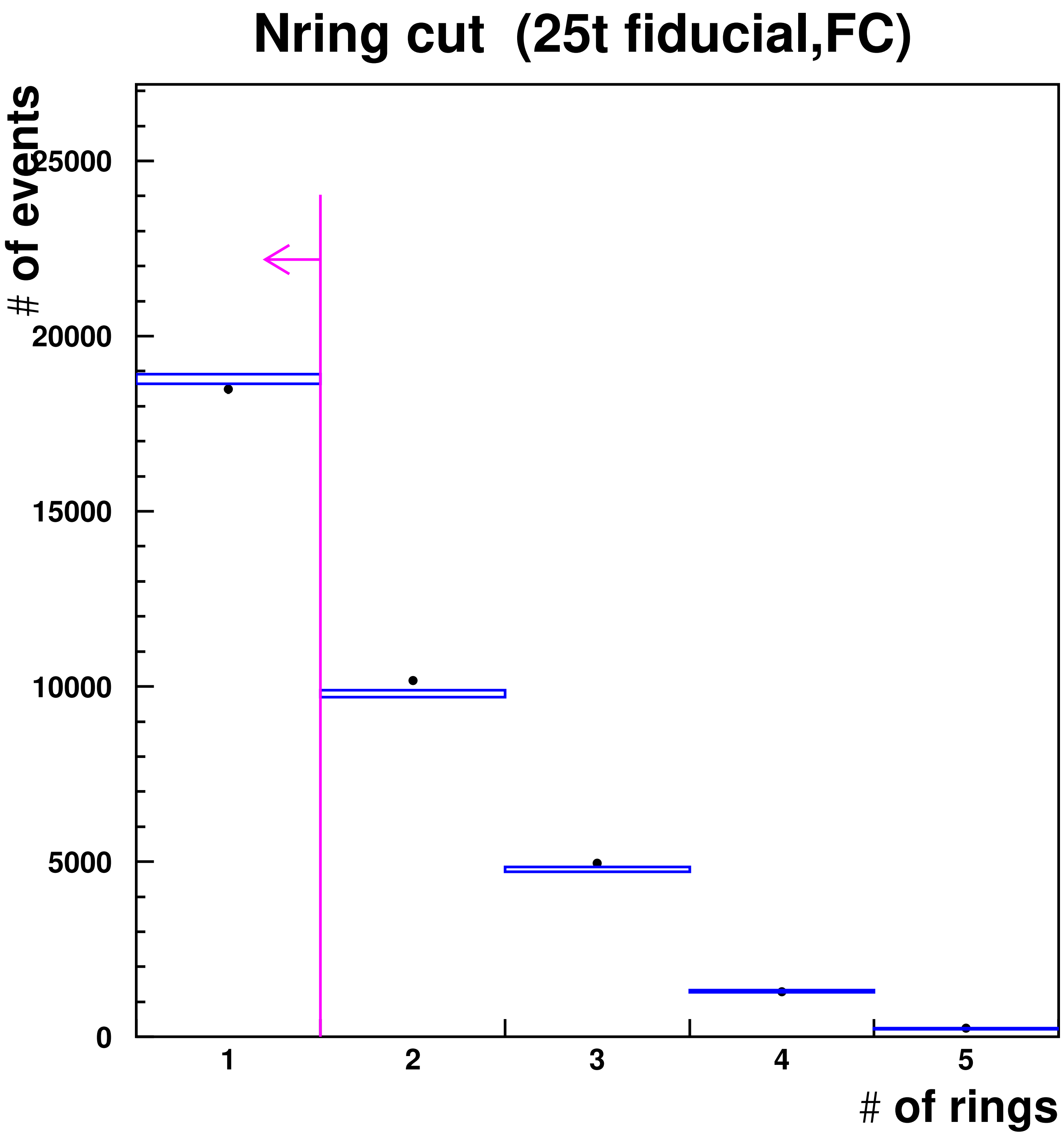

Fiducial cut
X(cm)
Z(cm)
500
400
300
200
100
0
-100
-200
-300
-400
-500
-500
-400
-300
-200
-100
0
100
200
300
400
500

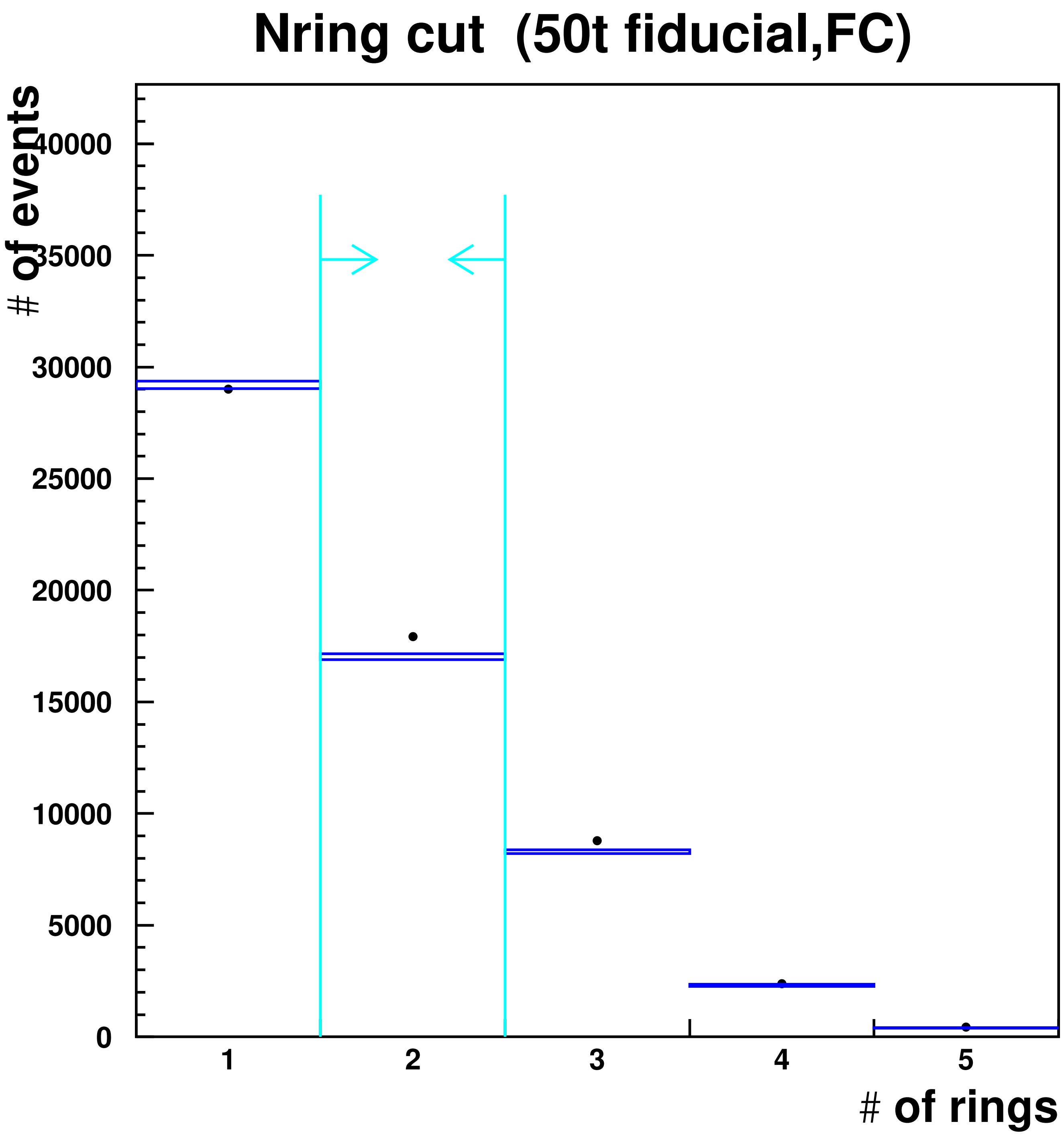
Fiducial cut

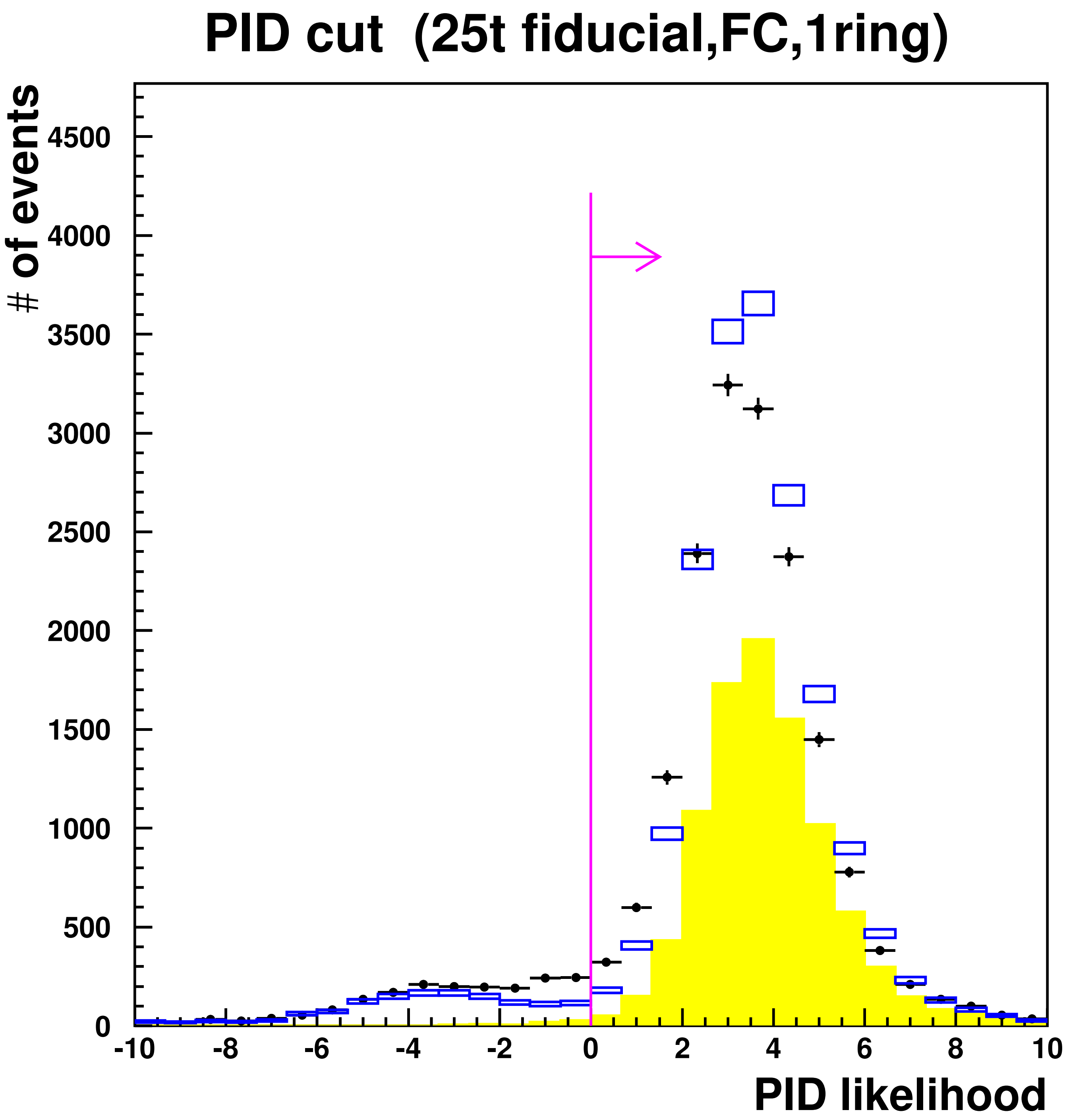


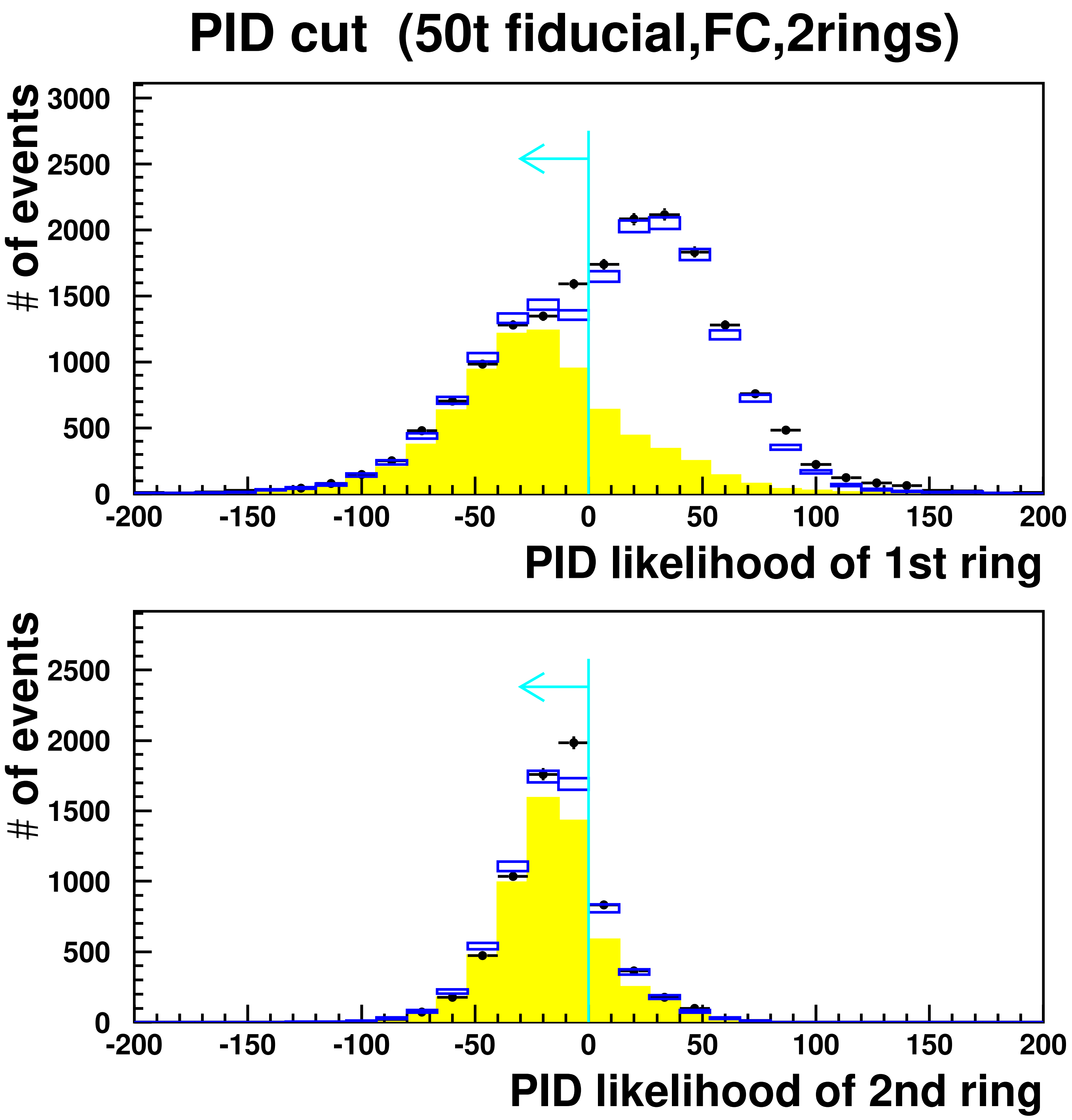

FC cut (25t fiducial)
# of events
max p.e. in 20deg. corn (p.e.)
0
1000
2000
3000
4000
5000
6000
7000
8000
0
50
100
150
200
250
300
350


FC cut (50t fiducial)
# of events
14000
12000
10000
8000
6000
4000
2000
0
0
50
100
150
200
250
300
350
max p.e. in 20deg. corn (p.e.)

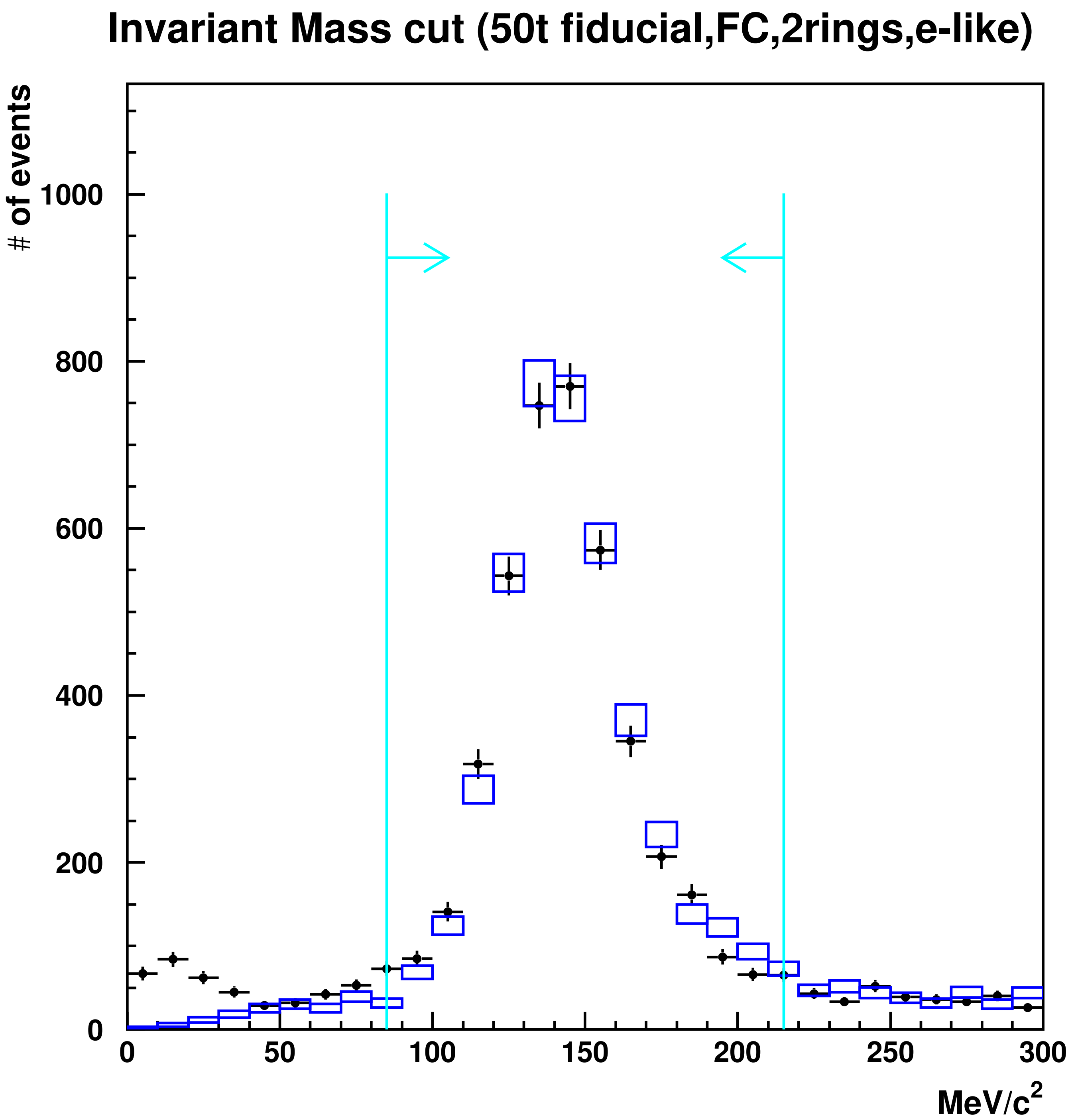

Nring cut (25t fiducial,FC)
# of events
25000
20000
15000
10000
5000
0
1
2
3
4
5
# of rings


Nring cut (50t fiducial,FC)
# of events
40000
35000
30000
25000
20000
15000
10000
5000
0
1
2
3
4
5
# of rings

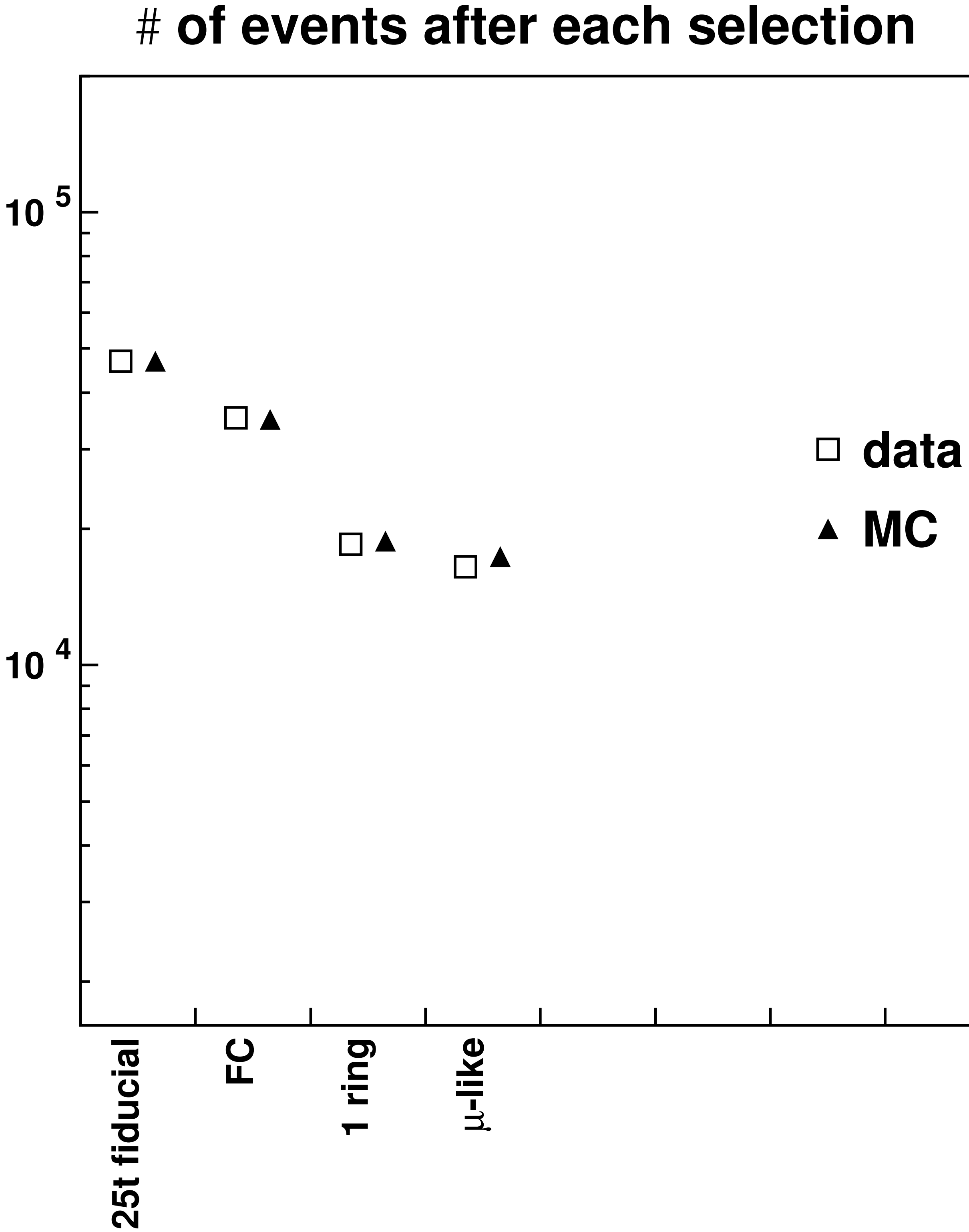

PID cut (25t fiducial,FC,1ring)
# of events
4500
4000
3500
3000
2500
2000
1500
1000
500
0
-10
-8
-6
-4
-2
0
2
4
6
8
10
PID likelihood



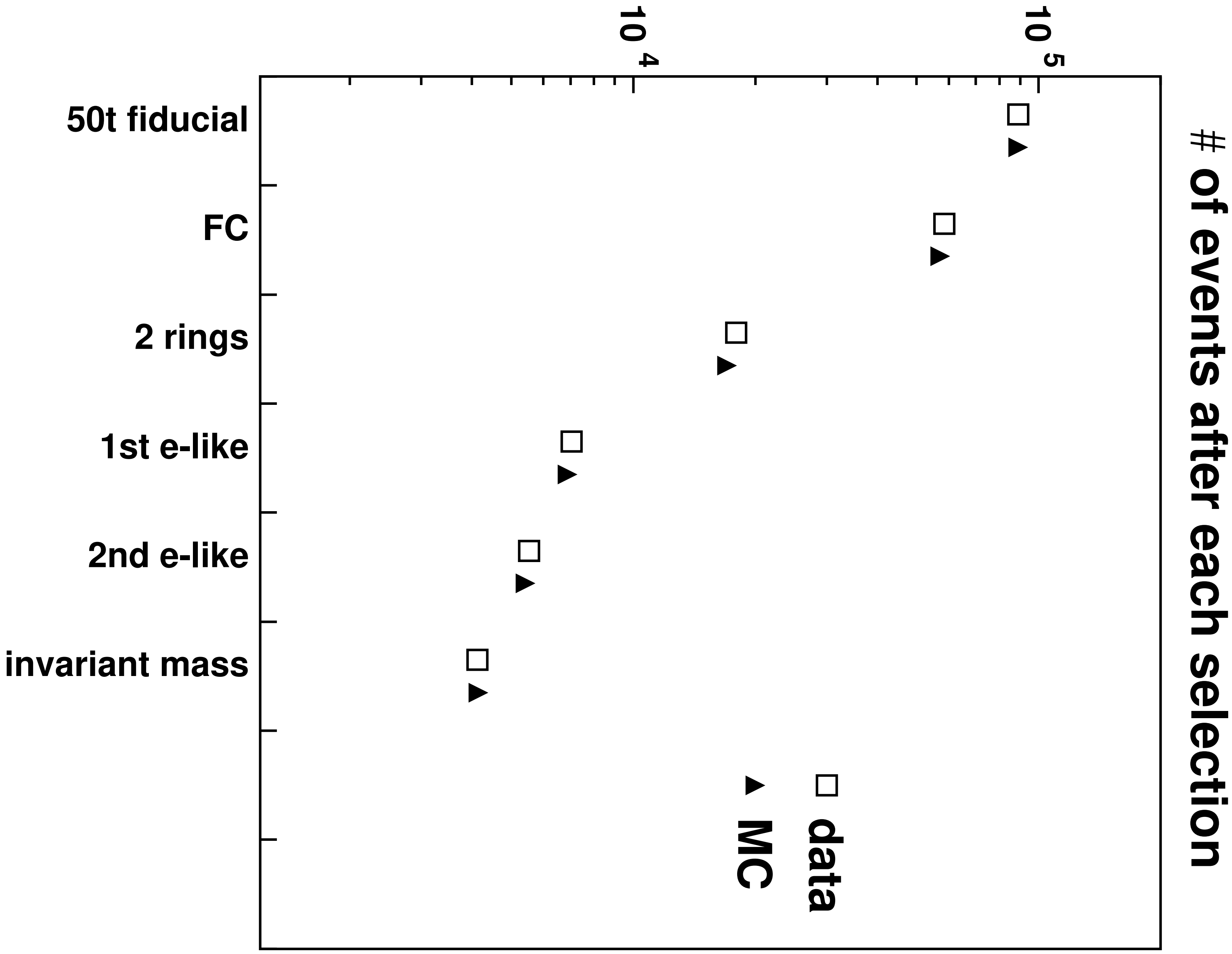
PID cut (50t fiducial,FC,2rings)
# of events
3000
2500
2000
1500
1000
500
0
-200
-150
-100
-50
0
50
100
150
200
PID likelihood of 1st ring
# of events
2500
2000
1500
1000
500
0
-200
-150
-100
-50
0
50
100
150
200
PID likelihood of 2nd ring



Invariant Mass cut (50t fiducial,FC,2rings,e-like)
# of events
0
200
400
600
800
1000
0
50
100
150
200
250
300
MeV/c^2



# of events after each selection
10 5
10 4
data
MC
25t fiducial
FC
1 ring
μ-like



50t fiducial
FC
2 rings
1st e-like
2nd e-like
invariant mass
10 4
10 5
# of events after each selection
data
MC