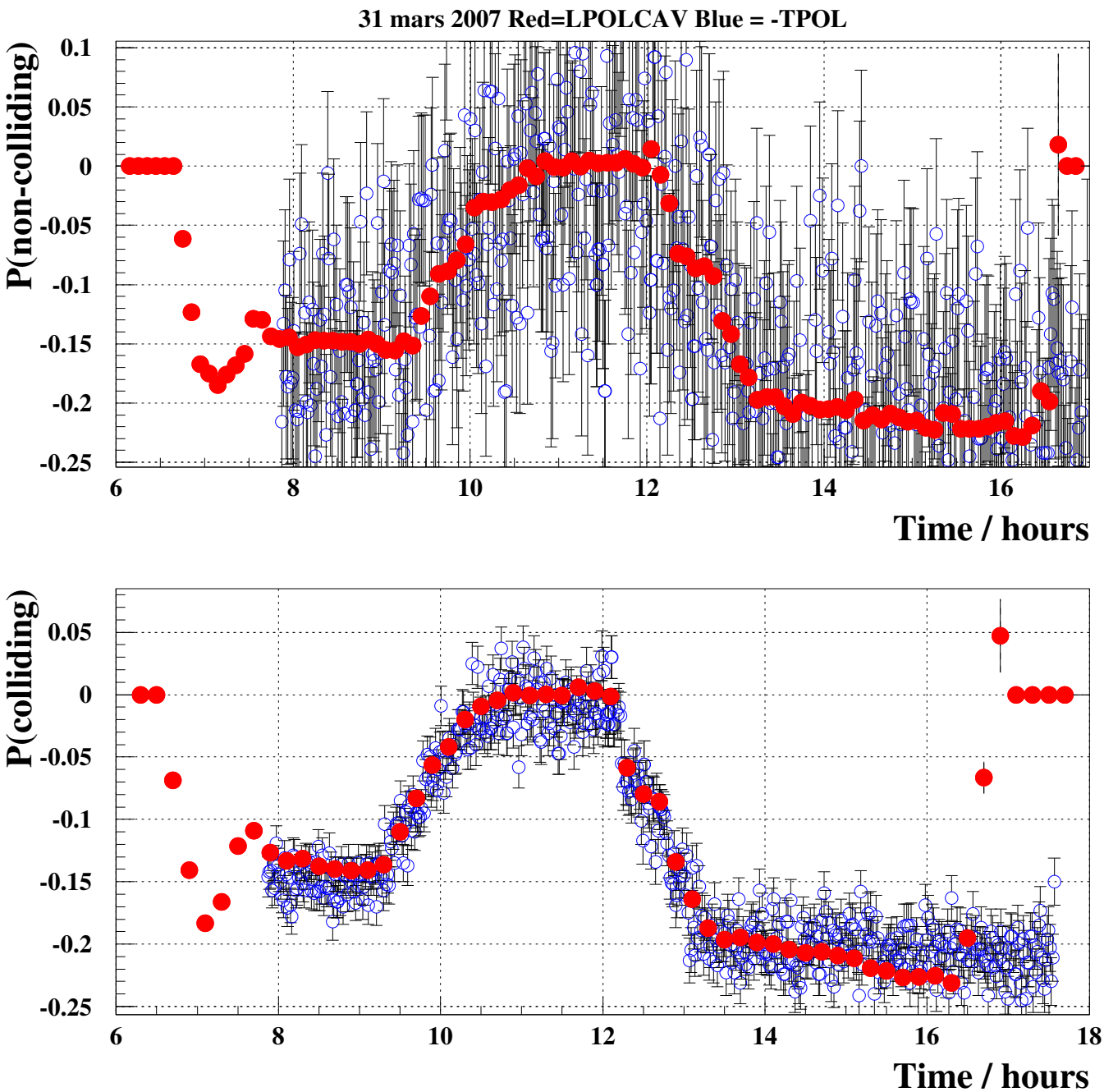
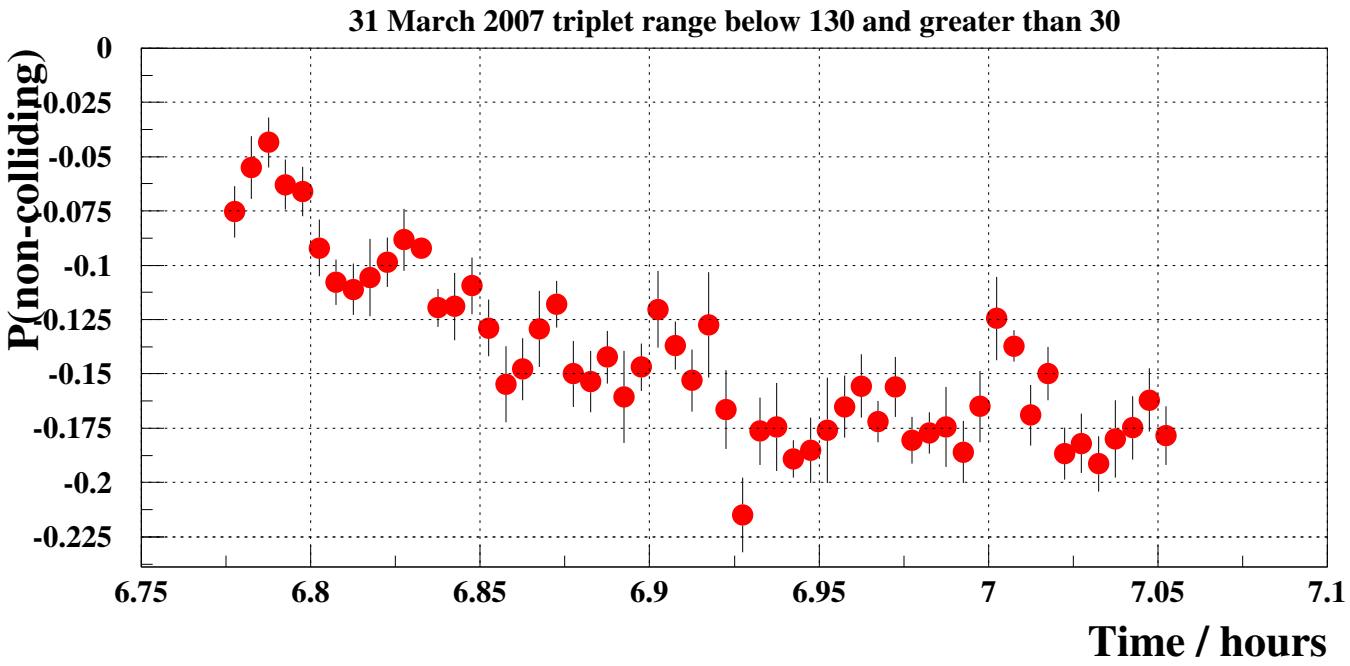
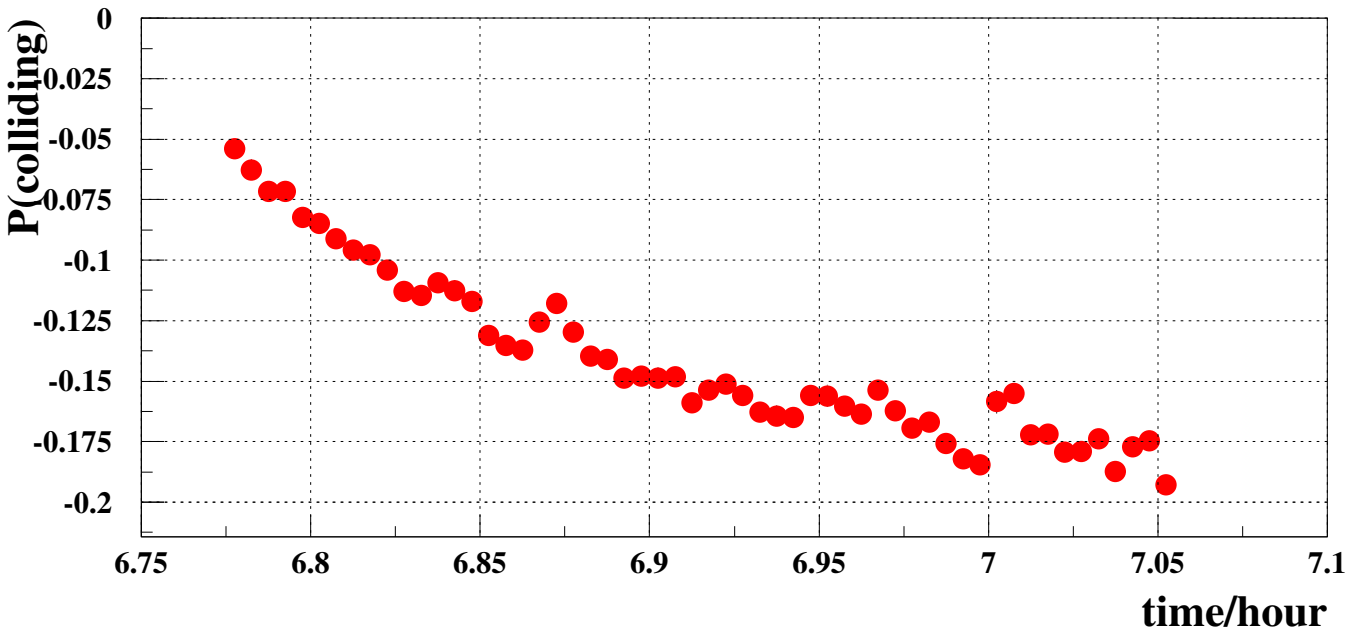
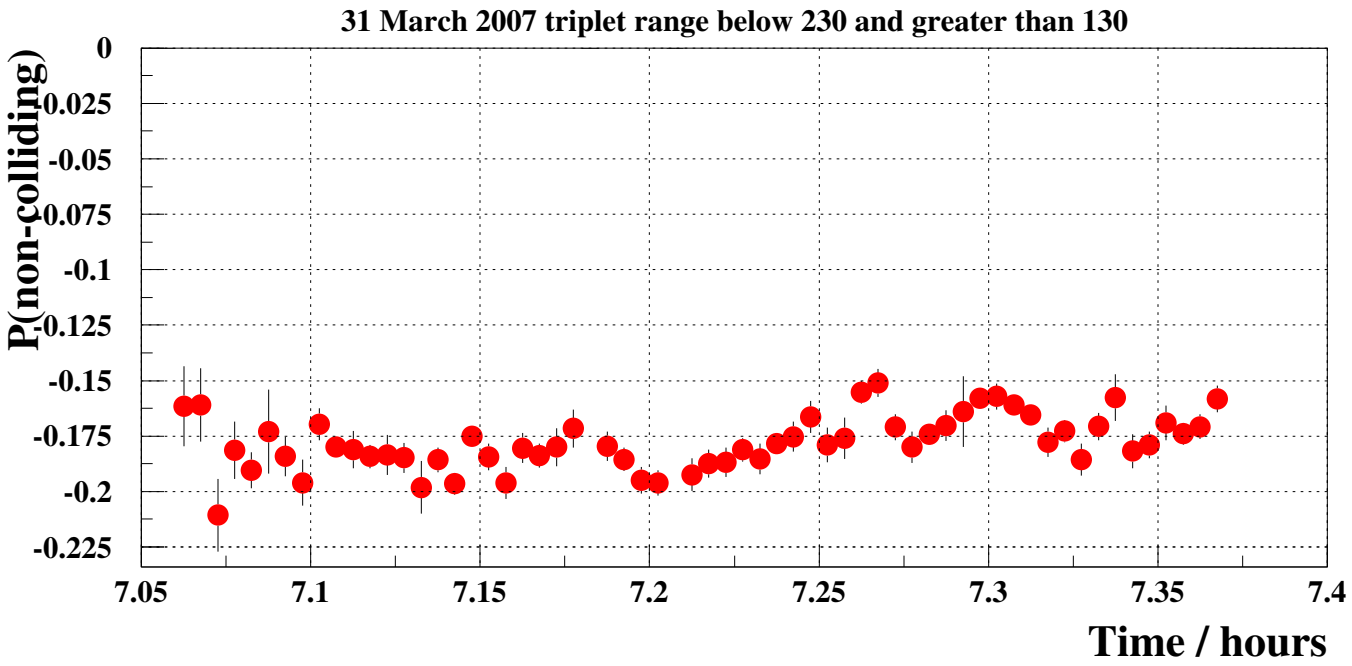
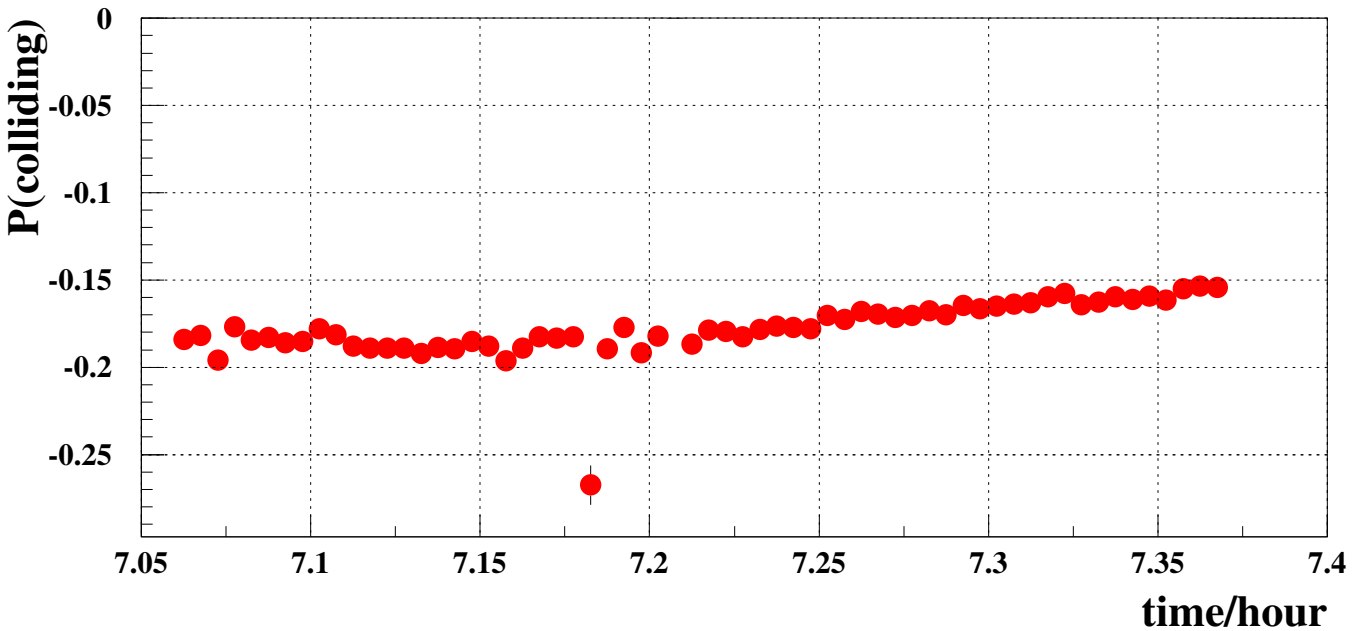
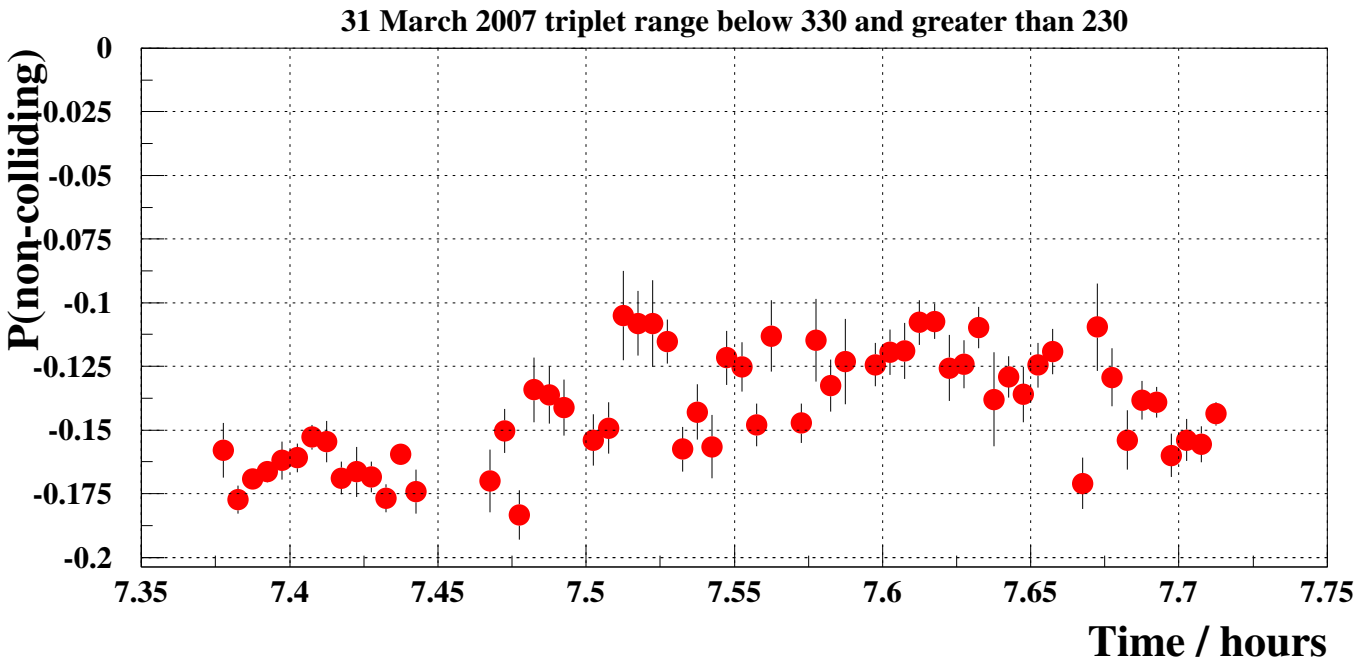

31 mars 2007 Red=LPOLCAV Blue = -TPOL
P(non-colliding)
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
-0.25
6
8
10
12
14
16
Time / hours
P(colliding)
0.05
0
-0.05
-0.1
-0.15
-0.2
-0.25
6
8
10
12
14
16
18
Time / hours

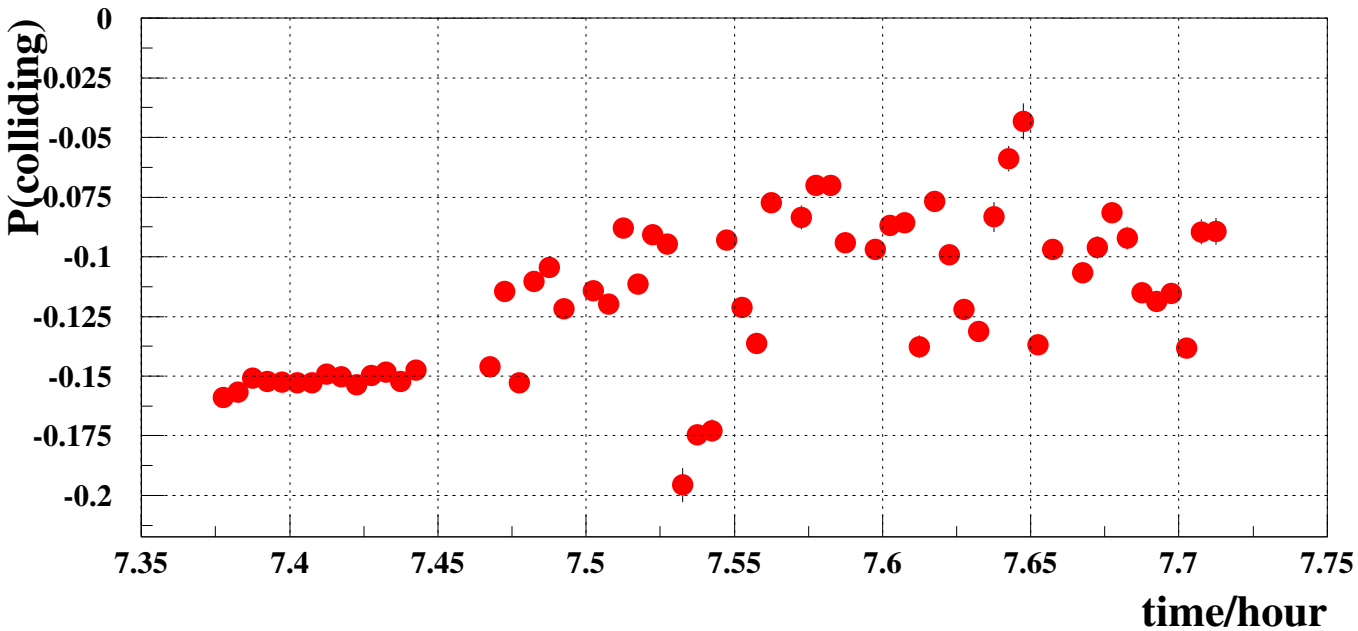

31 March 2007 triplet range below 130 and greater than 30
P(non-colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
-0.225
6.75
6.8
6.85
6.9
6.95
7
7.05
7.1
Time / hours

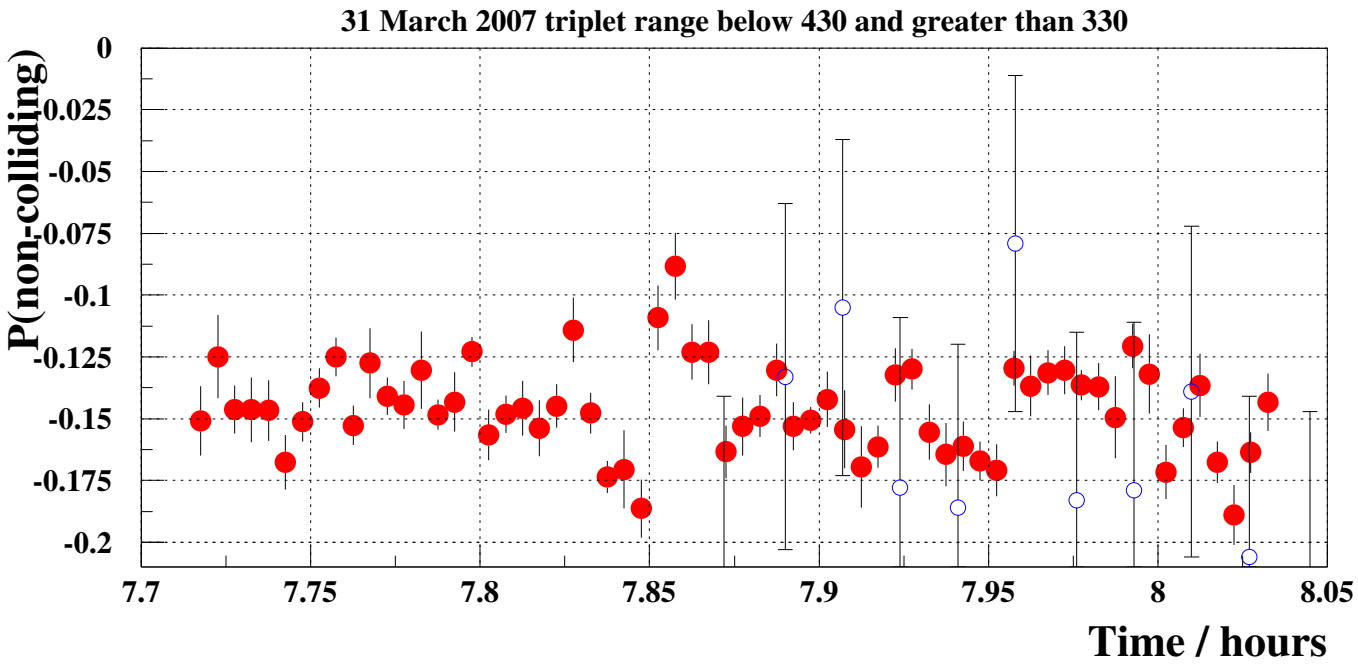

P(colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
6.75
6.8
6.85
6.9
6.95
7
7.05
7.1
time/hour

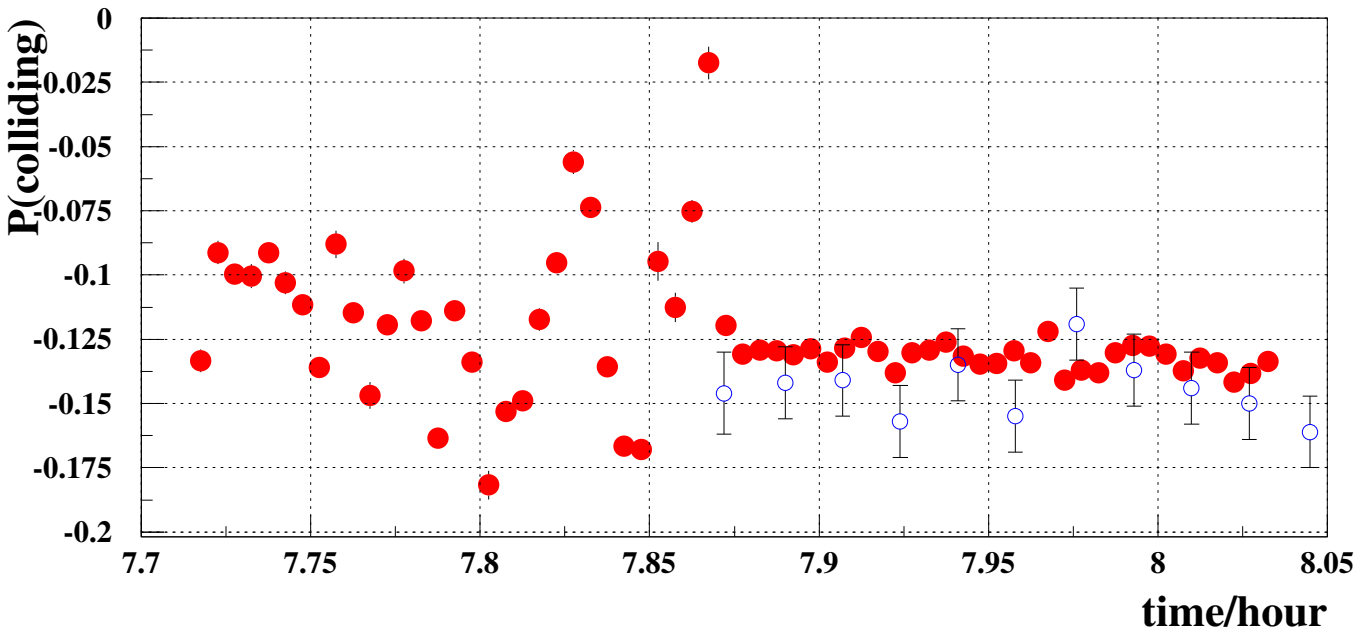

31 March 2007 triplet range below 230 and greater than 130
P(non-colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
-0.225
7.05
7.1
7.15
7.2
7.25
7.3
7.35
7.4
Time / hours

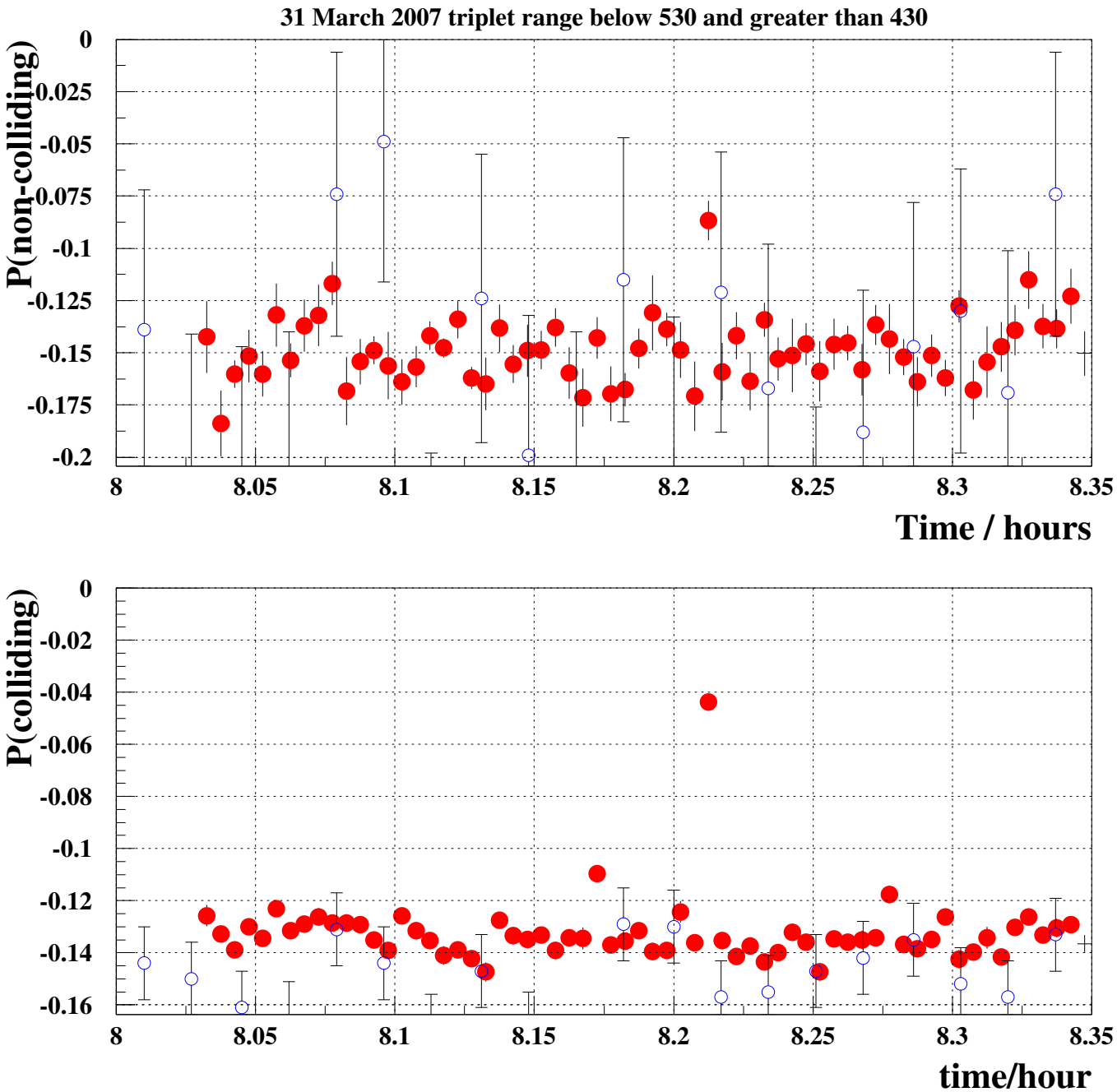

P(colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
7.05
7.1
7.15
7.2
7.25
7.3
7.35
7.4
time/hour

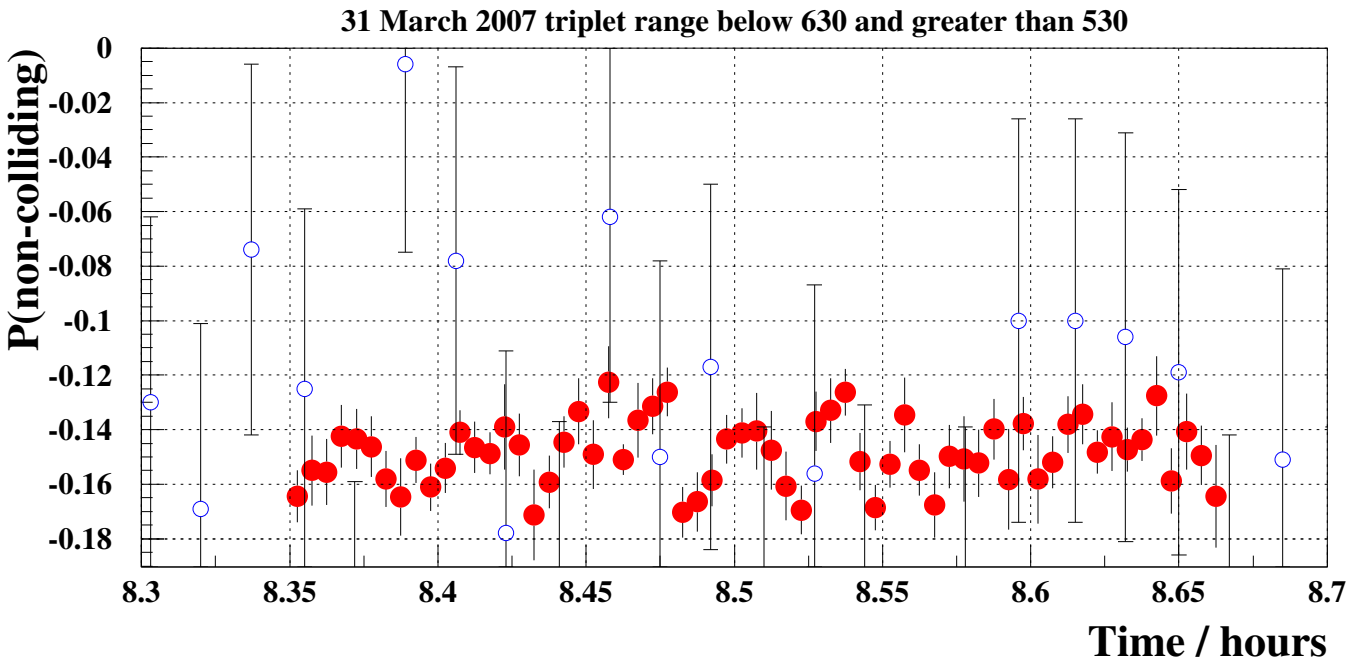

31 March 2007 triplet range below 330 and greater than 230
P(non-colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
7.35
7.4
7.45
7.5
7.55
7.6
7.65
7.7
7.75
Time / hours

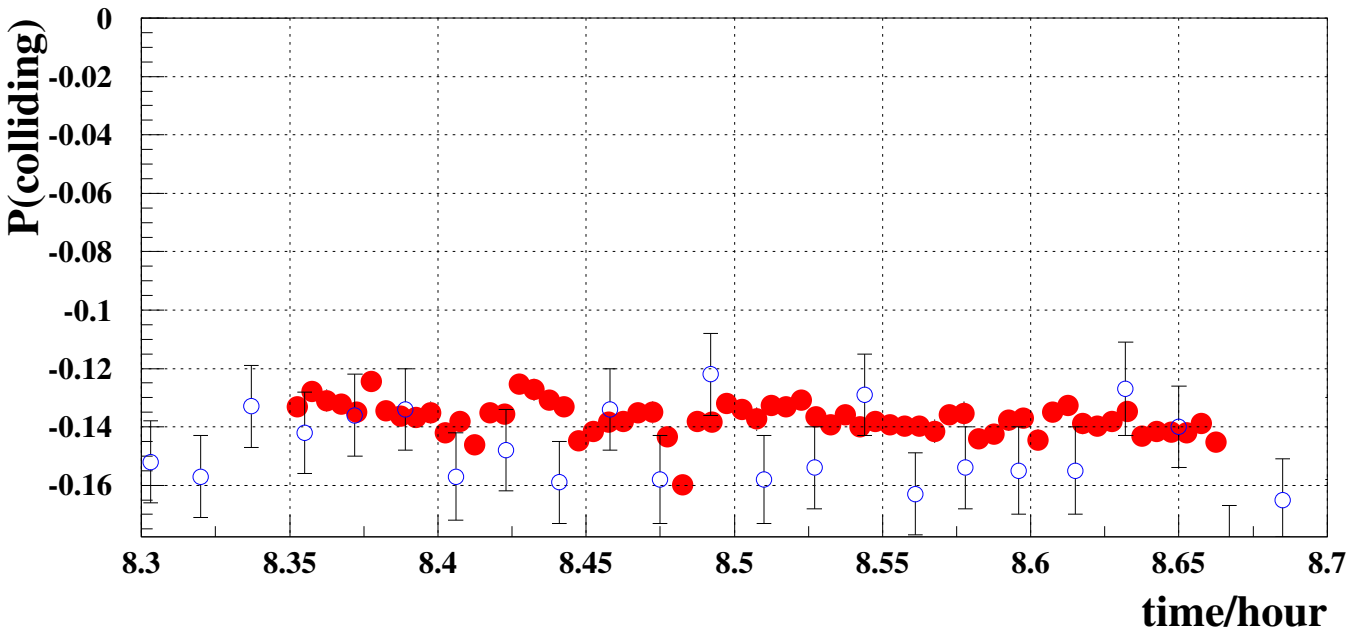

P(colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
7.35
7.4
7.45
7.5
7.55
7.6
7.65
7.7
7.75
time/hour

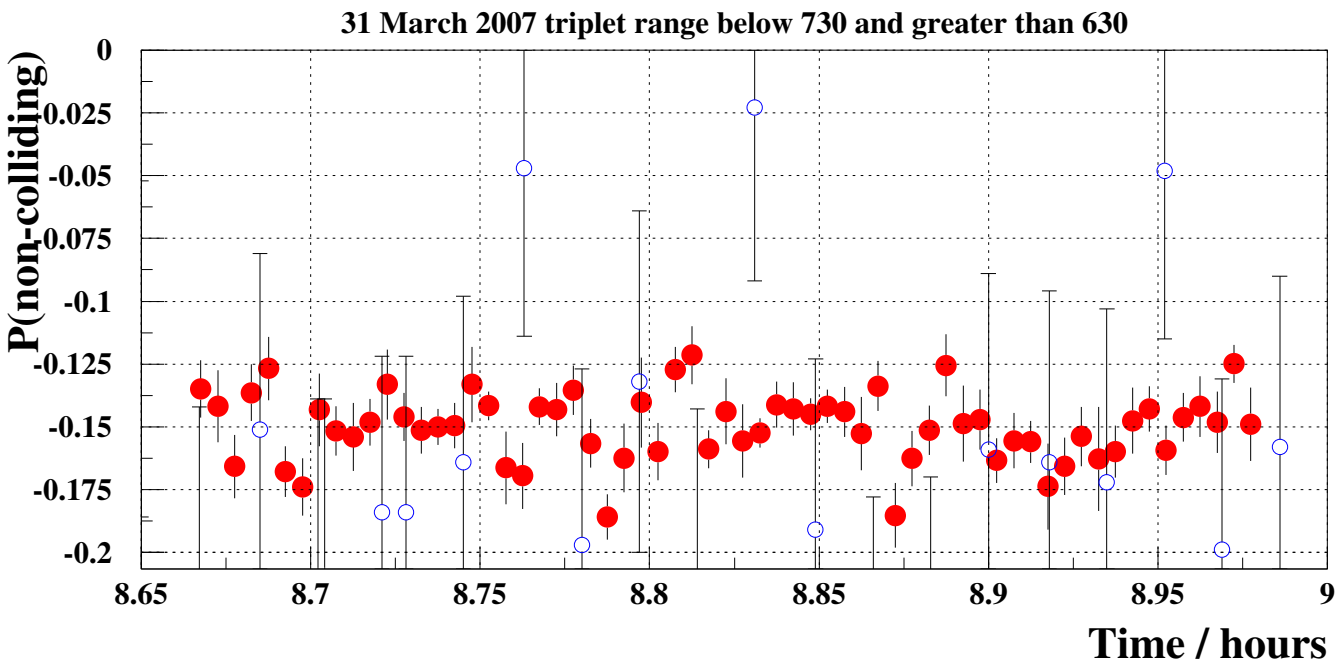

31 March 2007 triplet range below 430 and greater than 330
P(non-colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
7.7
7.75
7.8
7.85
7.9
7.95
8
8.05
Time / hours

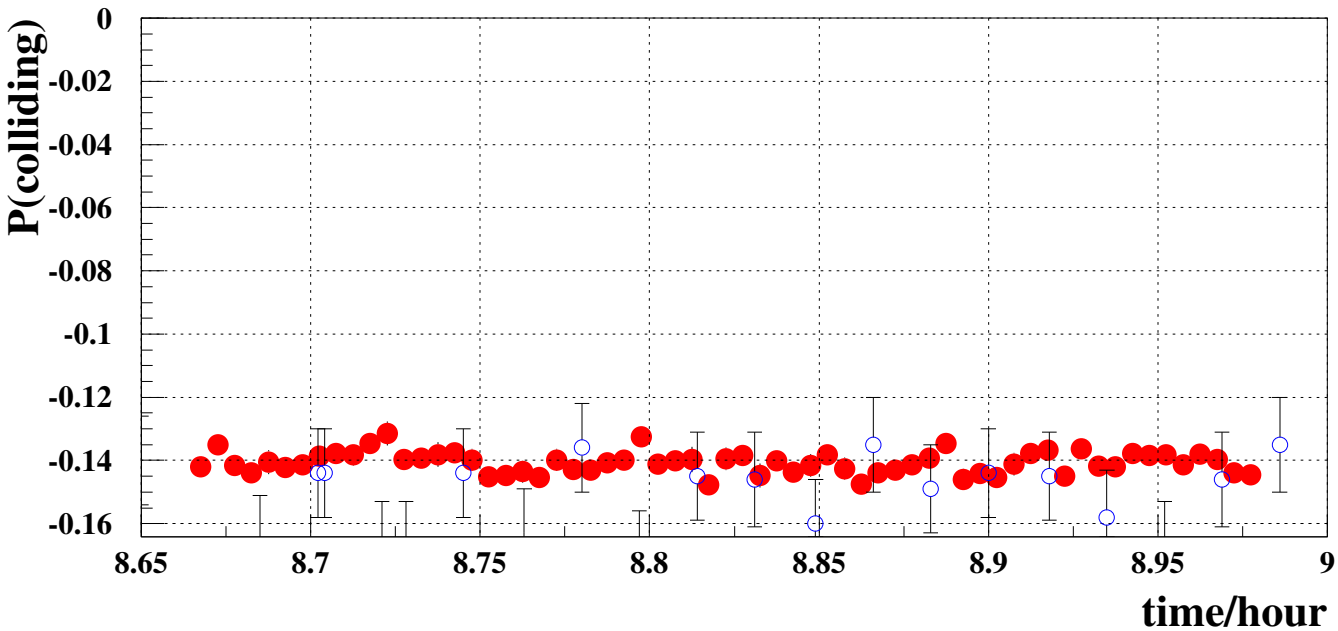

P(colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
7.7
7.75
7.8
7.85
7.9
7.95
8
8.05
time/hour

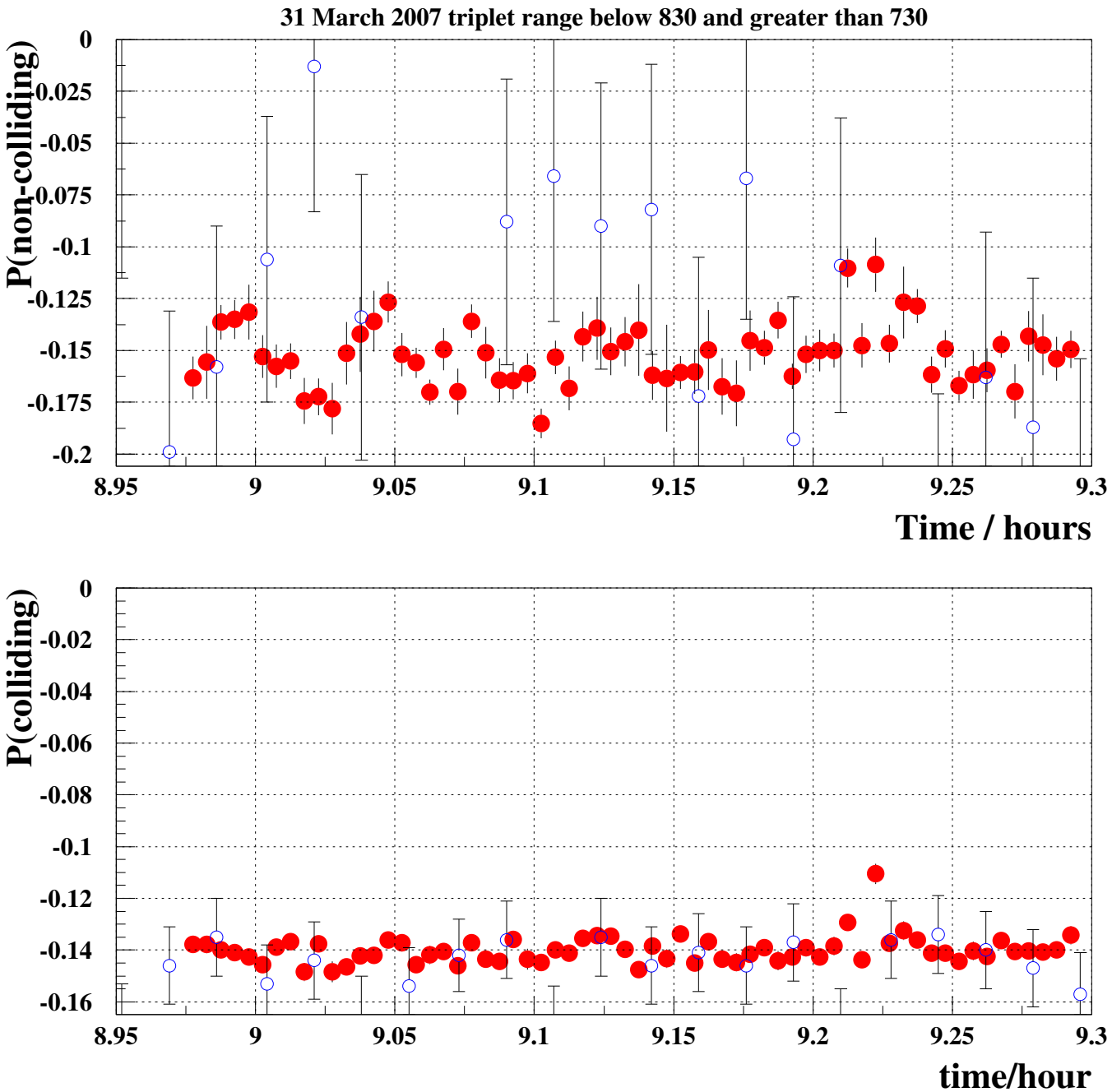

31 March 2007 triplet range below 530 and greater than 430
P(non-colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
8
8.05
8.1
8.15
8.2
8.25
8.3
8.35
Time / hours
P(colliding)
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
-0.16
8
8.05
8.1
8.15
8.2
8.25
8.3
8.35
time/hour

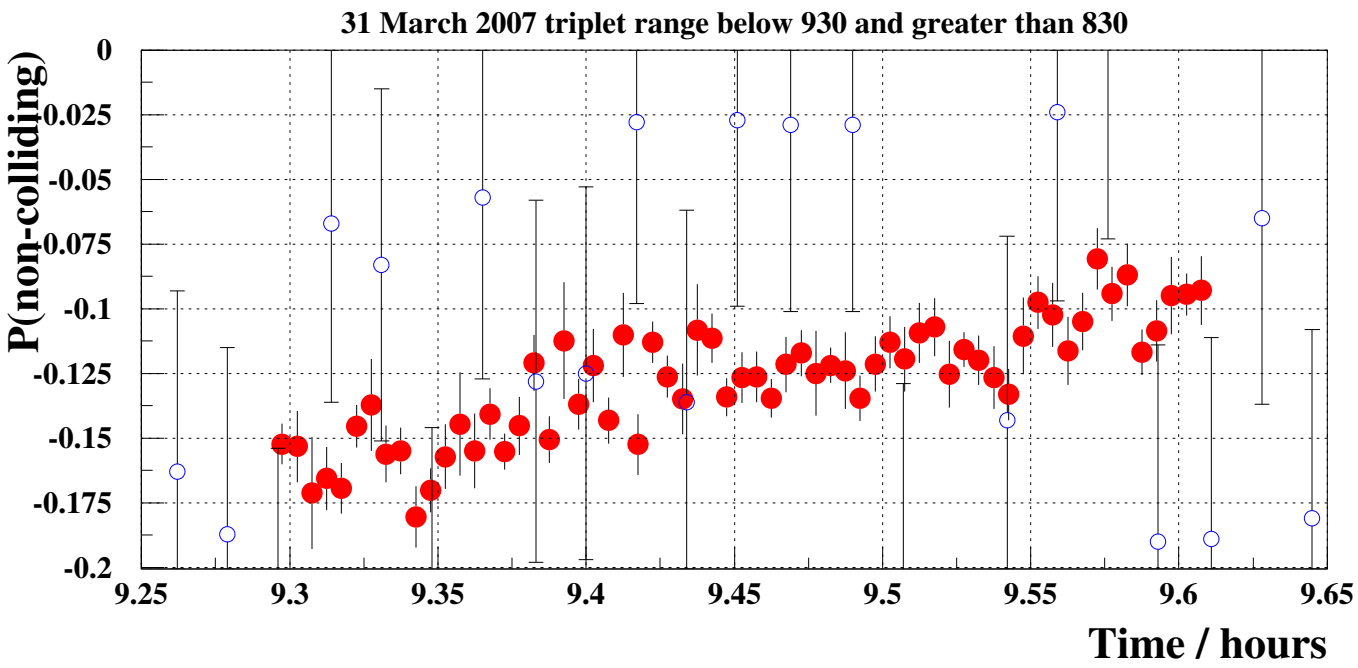

31 March 2007 triplet range below 630 and greater than 530
P(non-colliding)
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
-0.16
-0.18
8.3
8.35
8.4
8.45
8.5
8.55
8.6
8.65
8.7
Time / hours

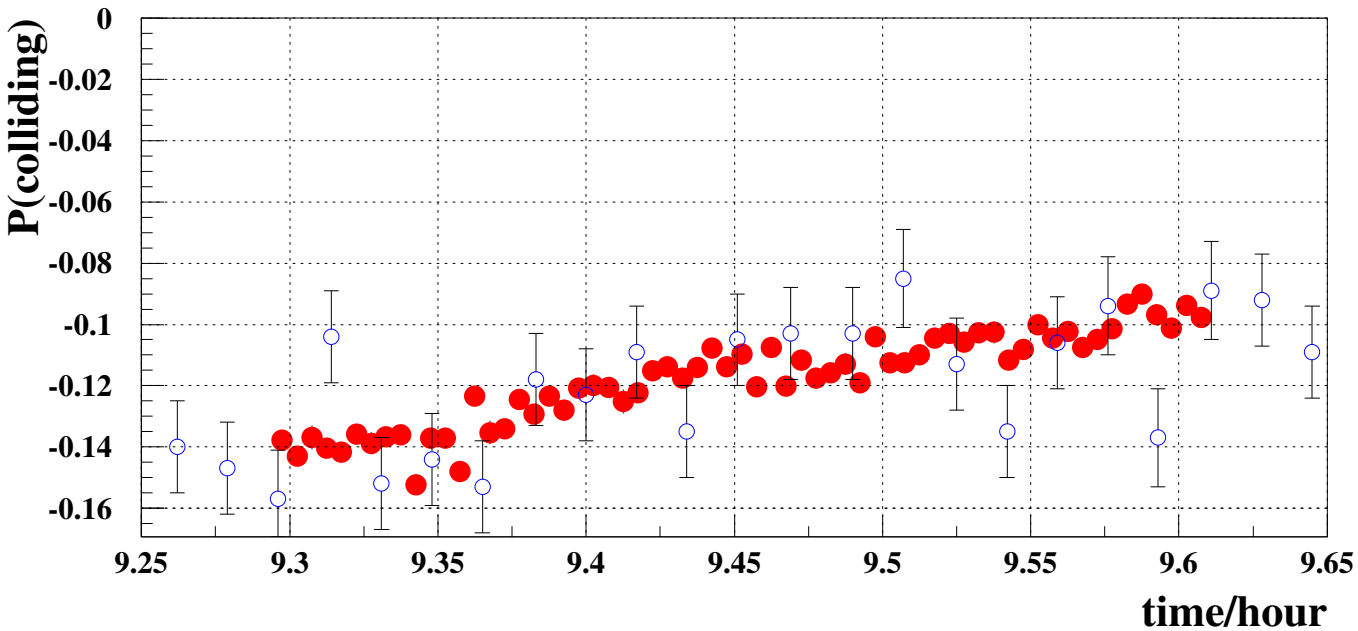

P(colliding)
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
-0.16
8.3
8.35
8.4
8.45
8.5
8.55
8.6
8.65
8.7
time/hour

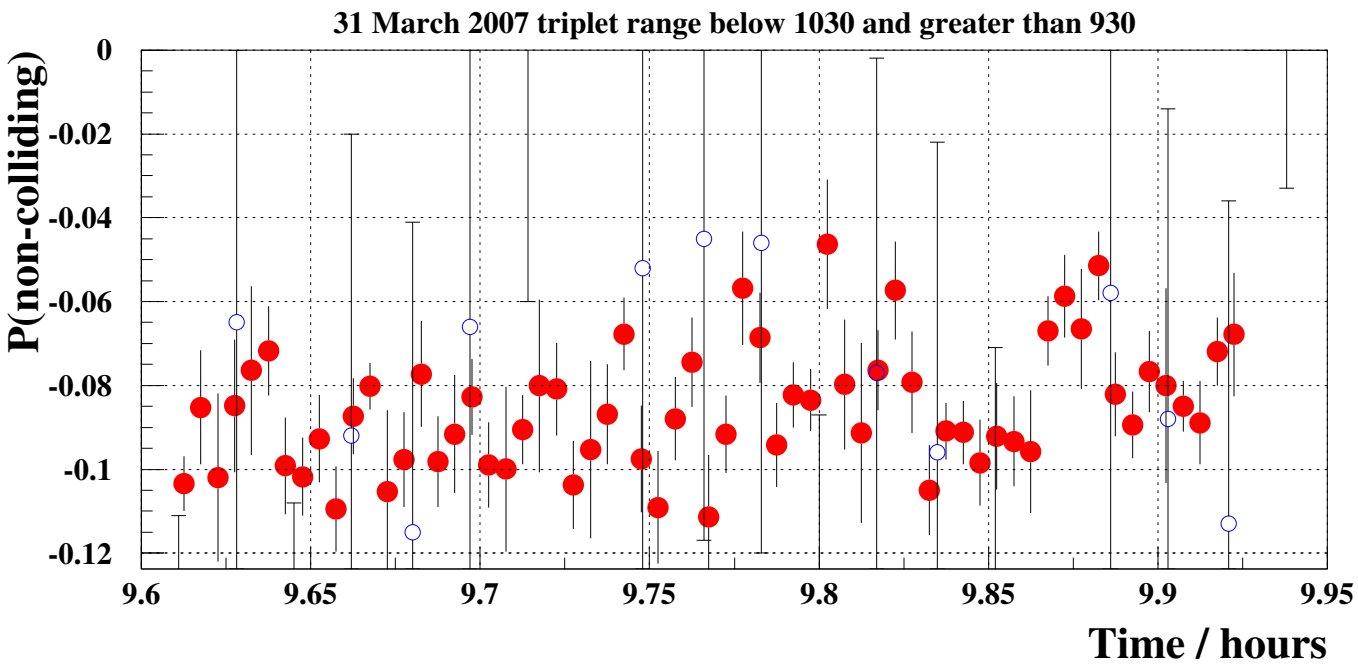

31 March 2007 triplet range below 730 and greater than 630
P(non-colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
8.65
8.7
8.75
8.8
8.85
8.9
8.95
9
Time / hours

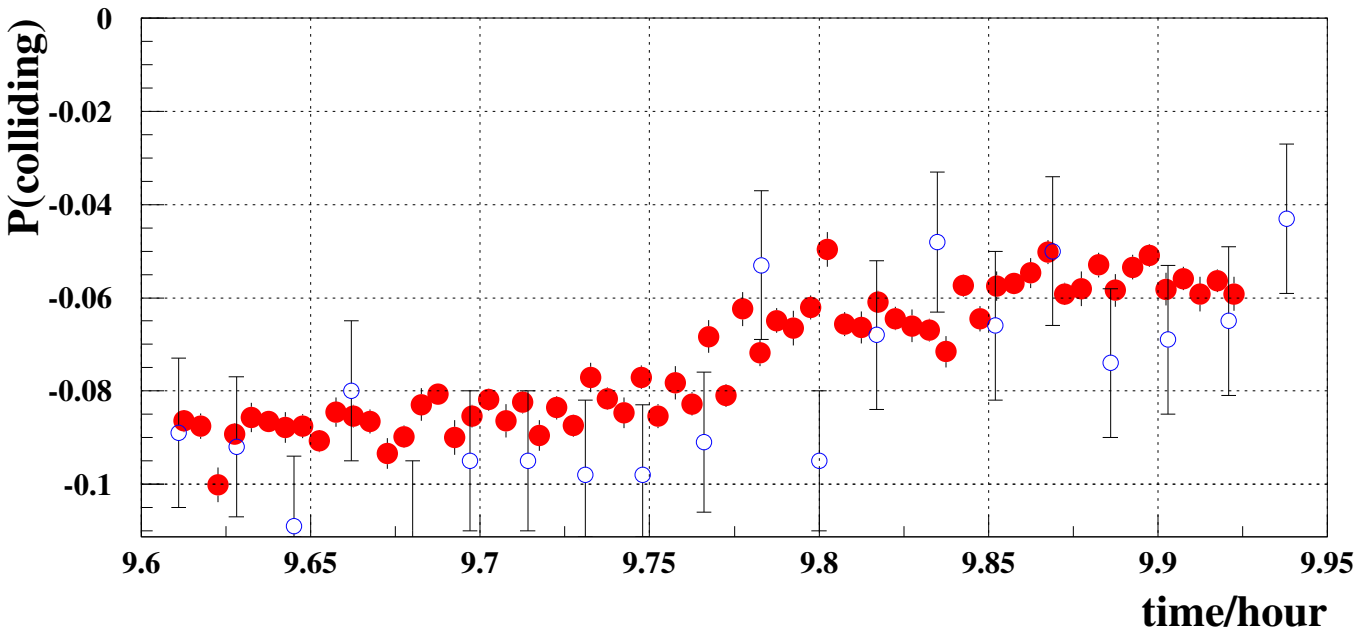

P(colliding)
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
-0.16
8.65
8.7
8.75
8.8
8.85
8.9
8.95
9
time/hour

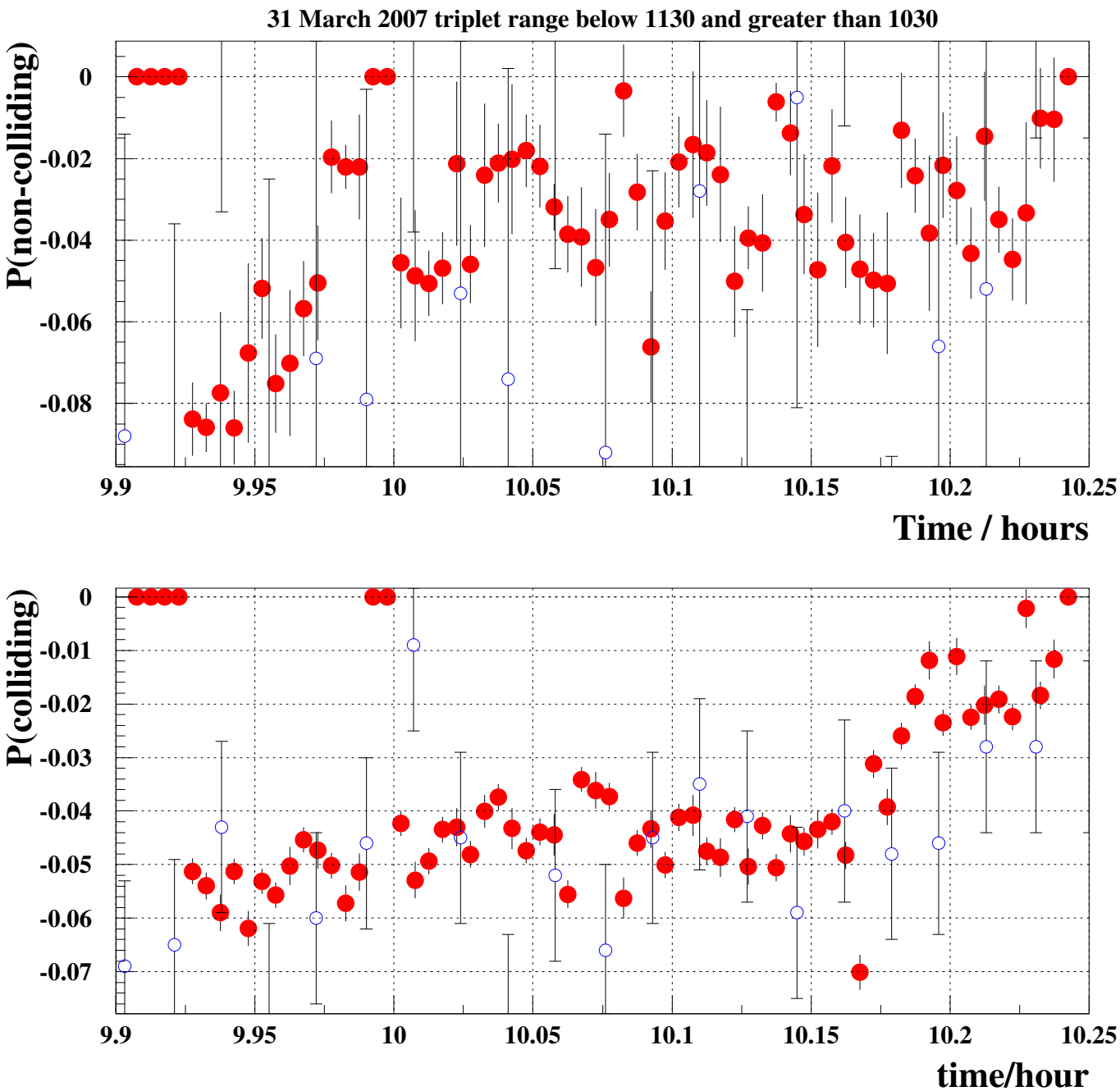

31 March 2007 triplet range below 830 and greater than 730
P(non-colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
8.95
9
9.05
9.1
9.15
9.2
9.25
9.3
Time / hours
P(colliding)
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
-0.16
8.95
9
9.05
9.1
9.15
9.2
9.25
9.3
time/hour

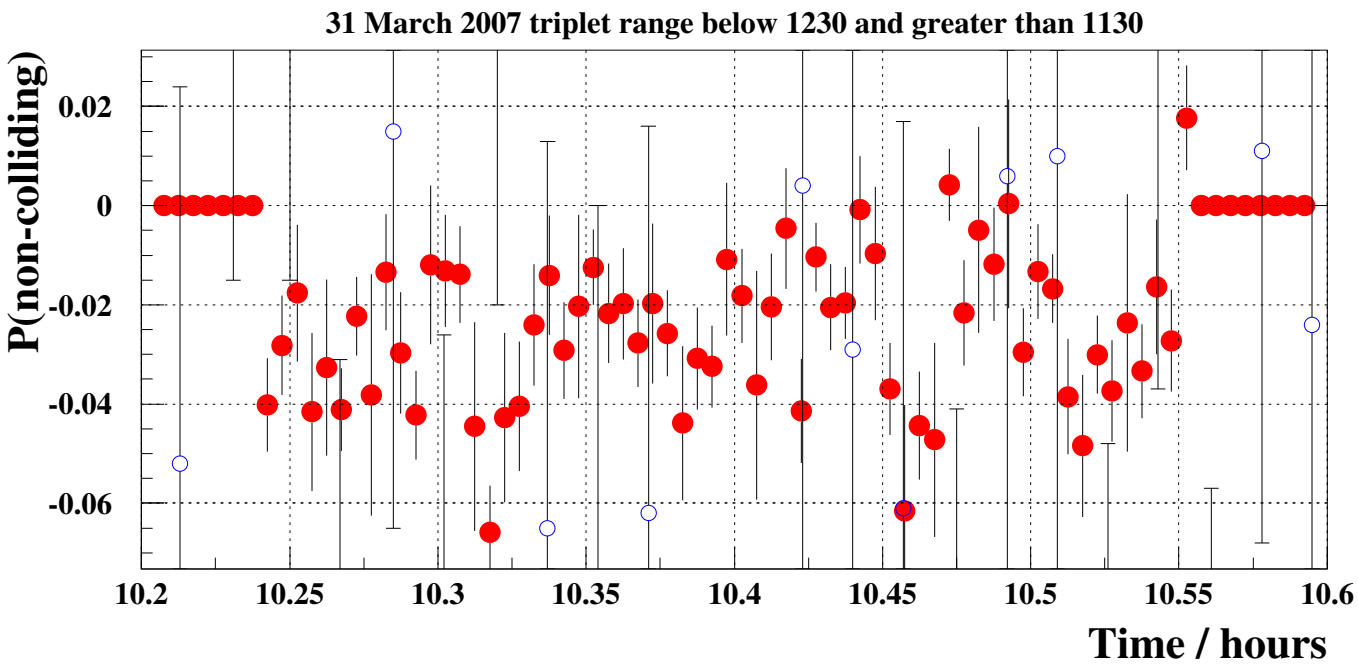

31 March 2007 triplet range below 930 and greater than 830
P(non-colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
9.25
9.3
9.35
9.4
9.45
9.5
9.55
9.6
9.65
Time / hours

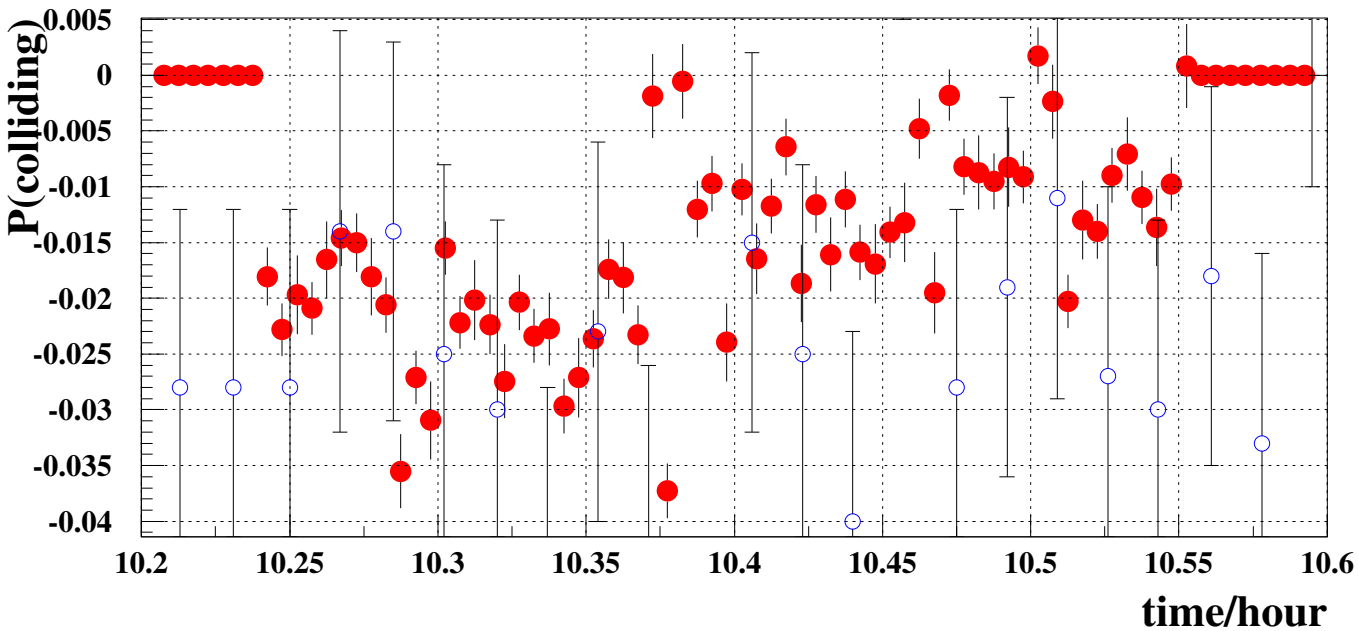

P(colliding)
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
-0.16
9.25
9.3
9.35
9.4
9.45
9.5
9.55
9.6
9.65
time/hour

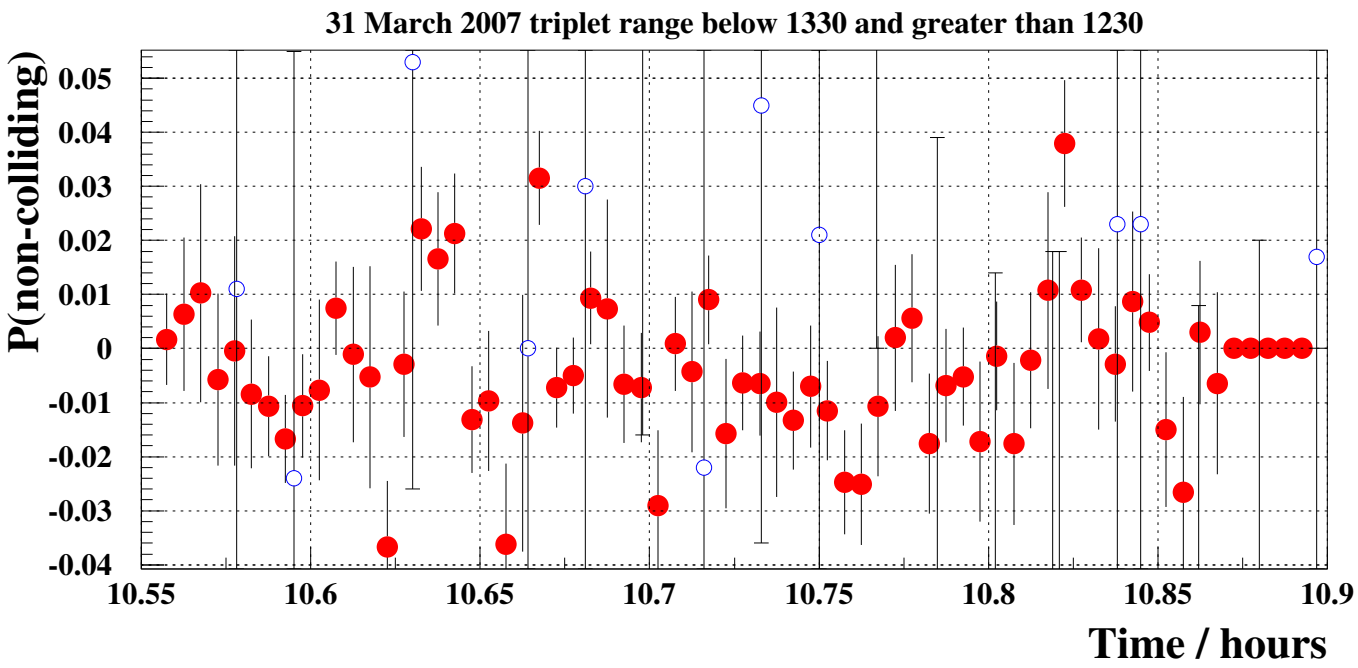

31 March 2007 triplet range below 1030 and greater than 930
P(non-colliding)
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
9.6
9.65
9.7
9.75
9.8
9.85
9.9
9.95
Time / hours

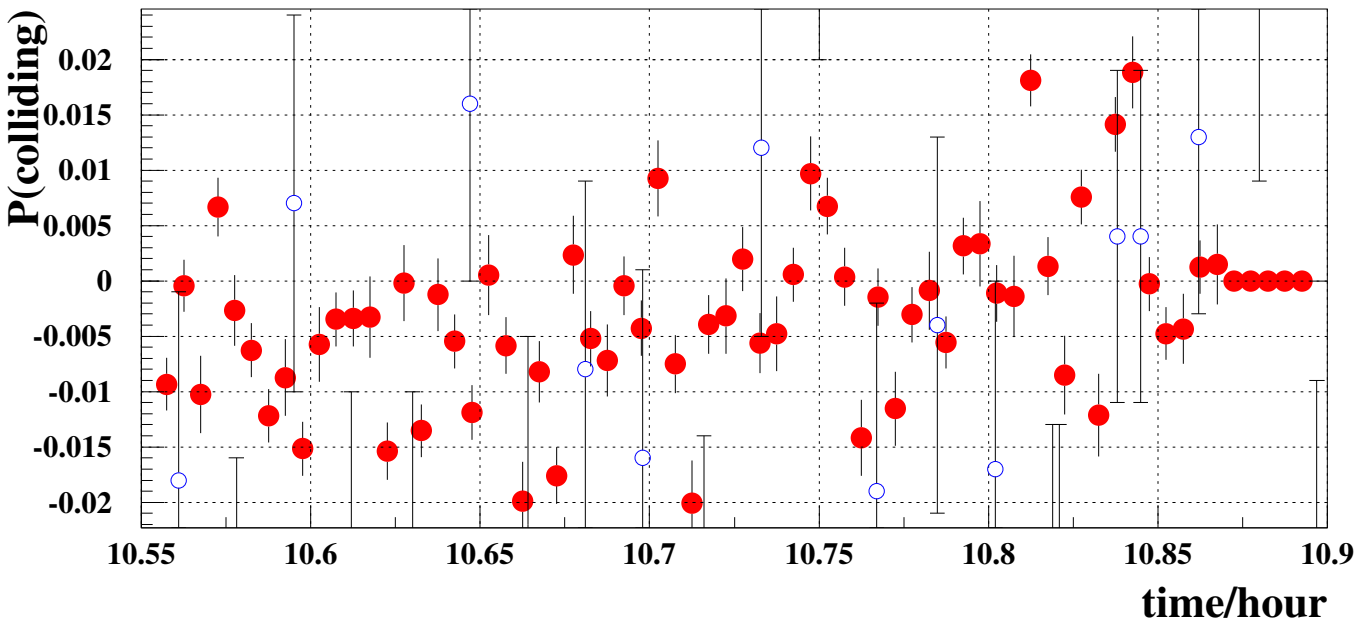

P(colliding)
0
-0.02
-0.04
-0.06
-0.08
-0.1
9.6
9.65
9.7
9.75
9.8
9.85
9.9
9.95
time/hour

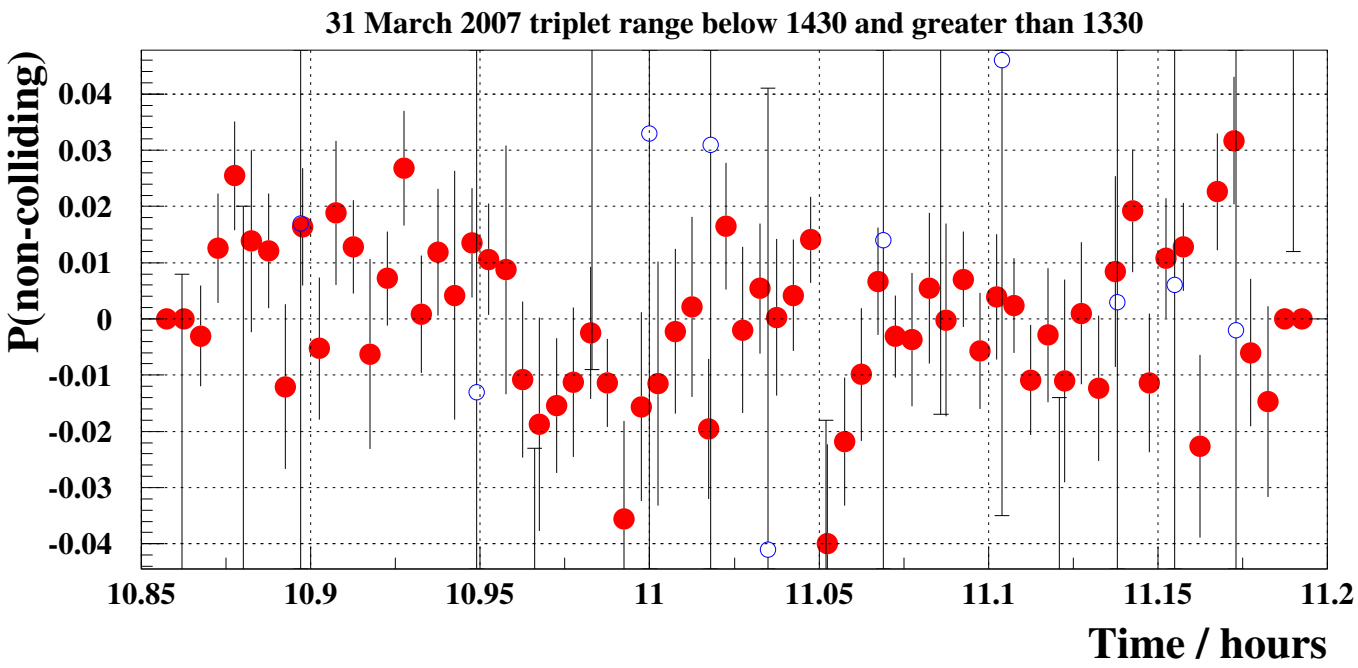

31 March 2007 triplet range below 1130 and greater than 1030
P(non-colliding)
0
-0.02
-0.04
-0.06
-0.08
9.9
9.95
10
10.05
10.1
10.15
10.2
10.25
Time / hours
P(colliding)
0
-0.01
-0.02
-0.03
-0.04
-0.05
-0.06
-0.07
9.9
9.95
10
10.05
10.1
10.15
10.2
10.25
time/hour

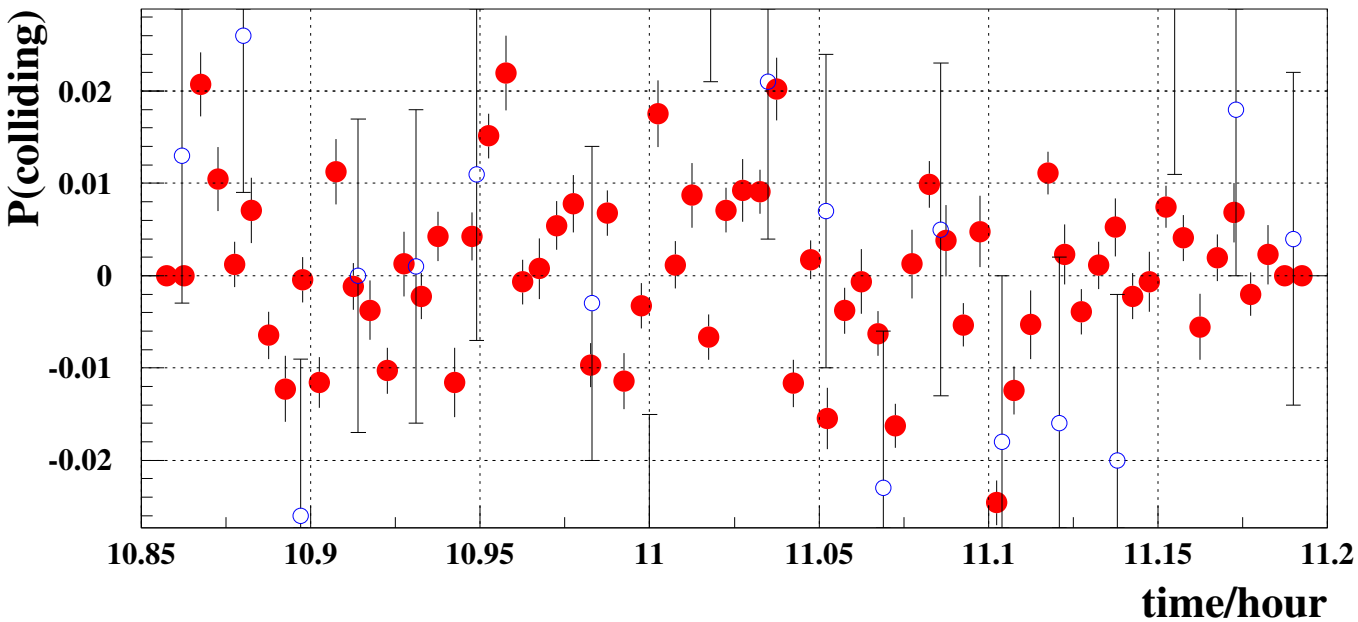

31 March 2007 triplet range below 1230 and greater than 1130
P(non-colliding)
0.02
0
-0.02
-0.04
-0.06
10.2
10.25
10.3
10.35
10.4
10.45
10.5
10.55
10.6
Time / hours

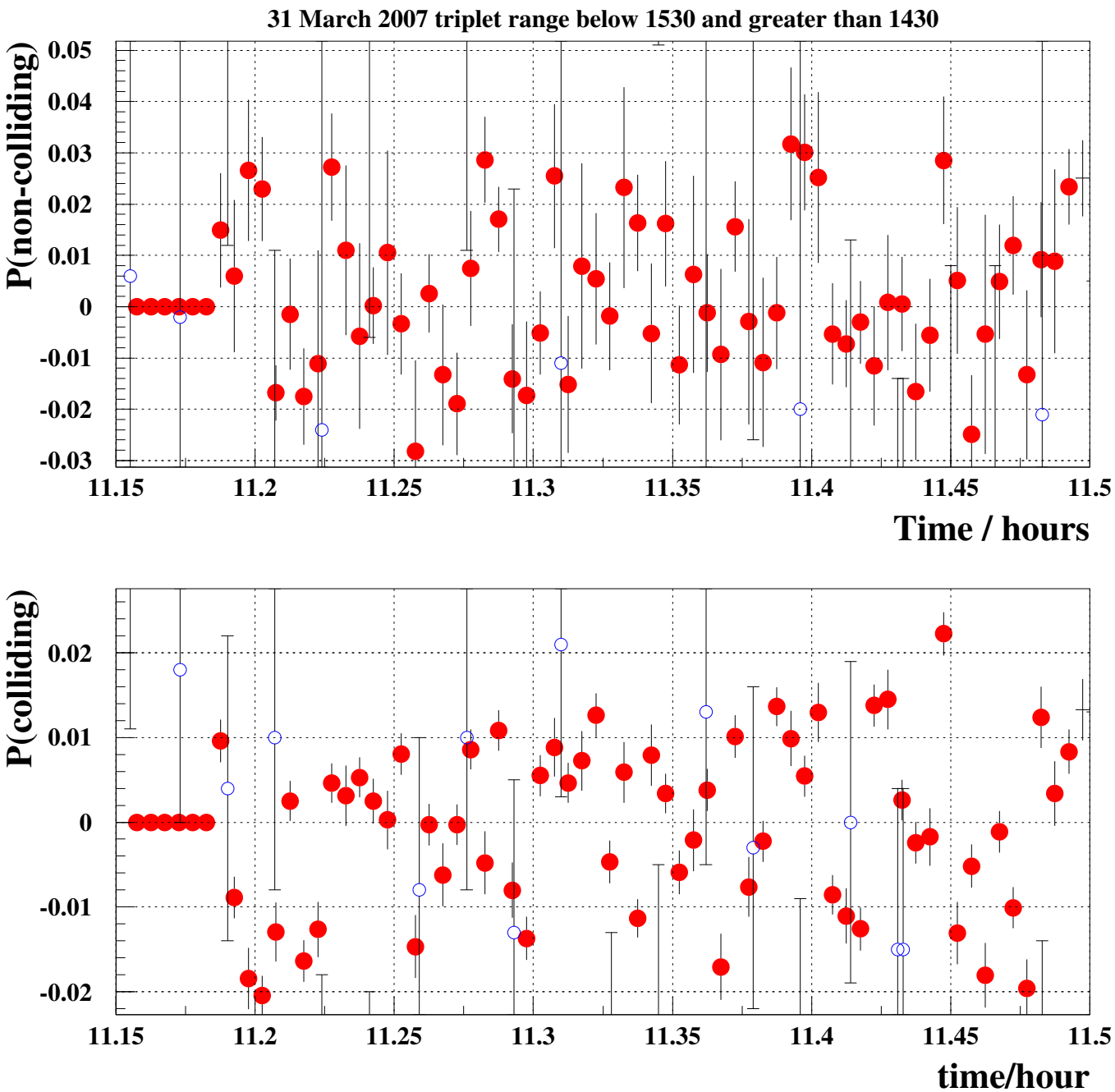

P(colliding)
0.005
0
0.005
-0.01
-0.015
-0.02
-0.025
-0.03
-0.035
-0.04
10.2
10.25
10.3
10.35
10.4
10.45
10.5
10.55
10.6
time/hour

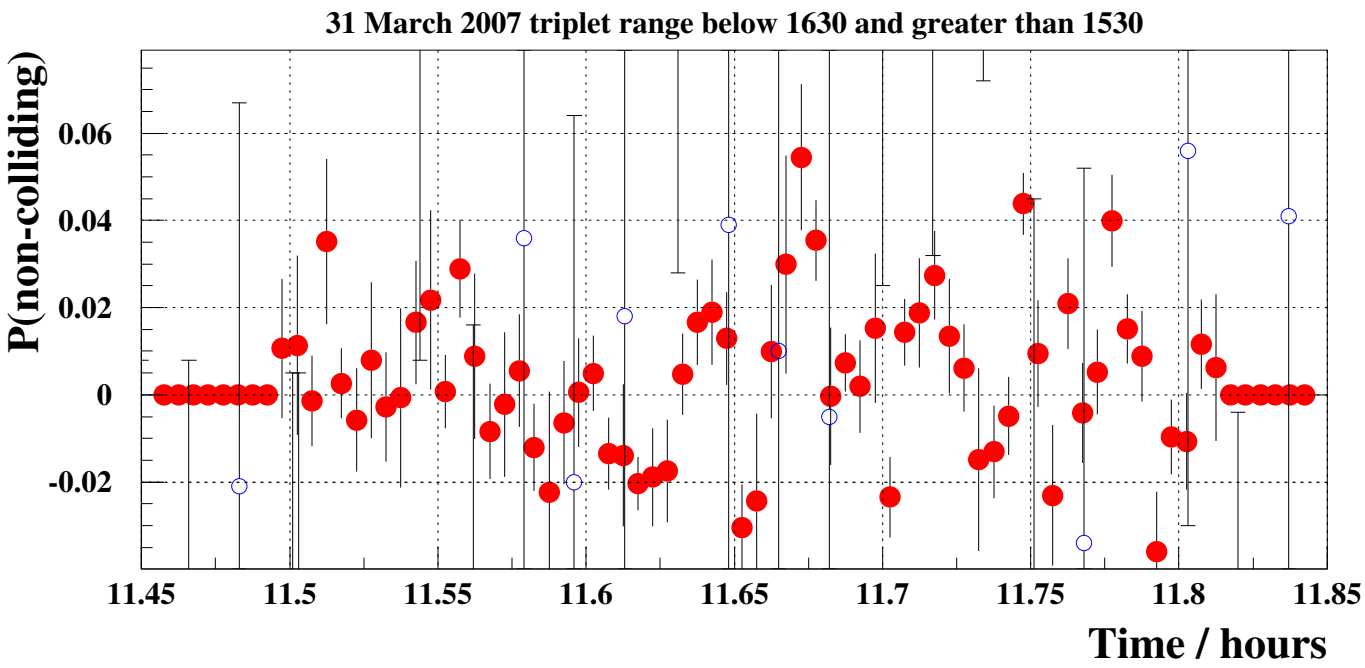

31 March 2007 triplet range below 1330 and greater than 1230
P(non-colliding)
0.05
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
10.55
10.6
10.65
10.7
10.75
10.8
10.85
10.9
Time / hours

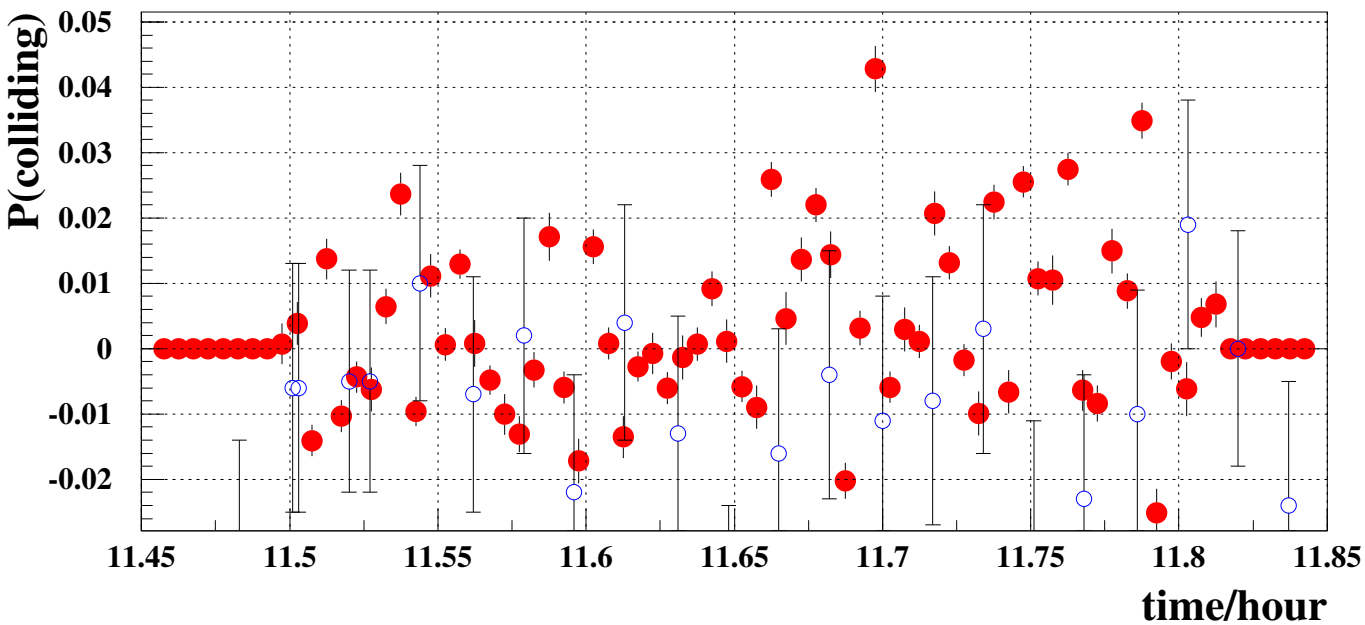

P(colliding)
0.02
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
10.55
10.6
10.65
10.7
10.75
10.8
10.85
10.9
time/hour

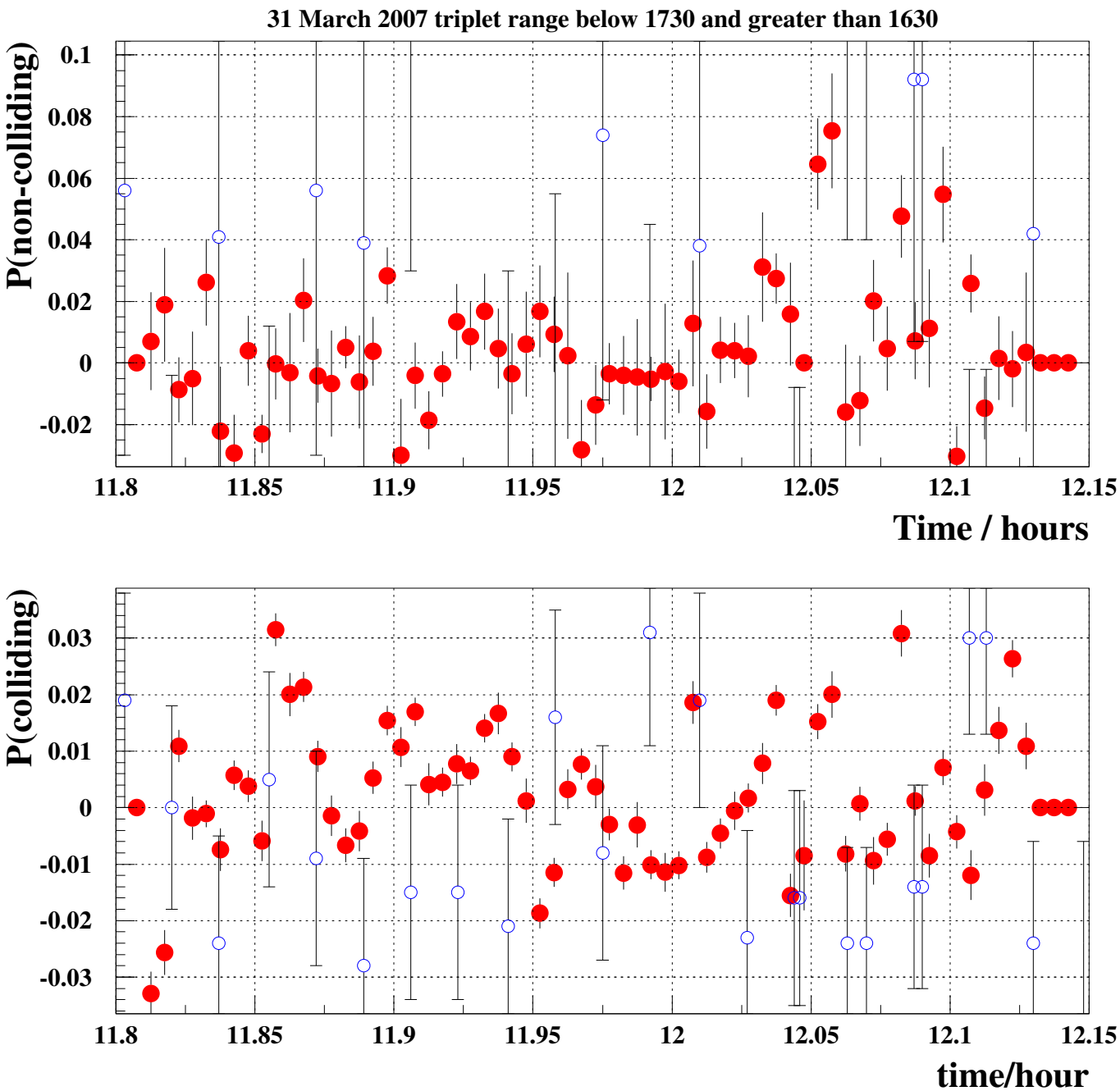

31 March 2007 triplet range below 1430 and greater than 1330
P(non-colliding)
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
10.85
10.9
10.95
11
11.05
11.1
11.15
11.2
Time / hours

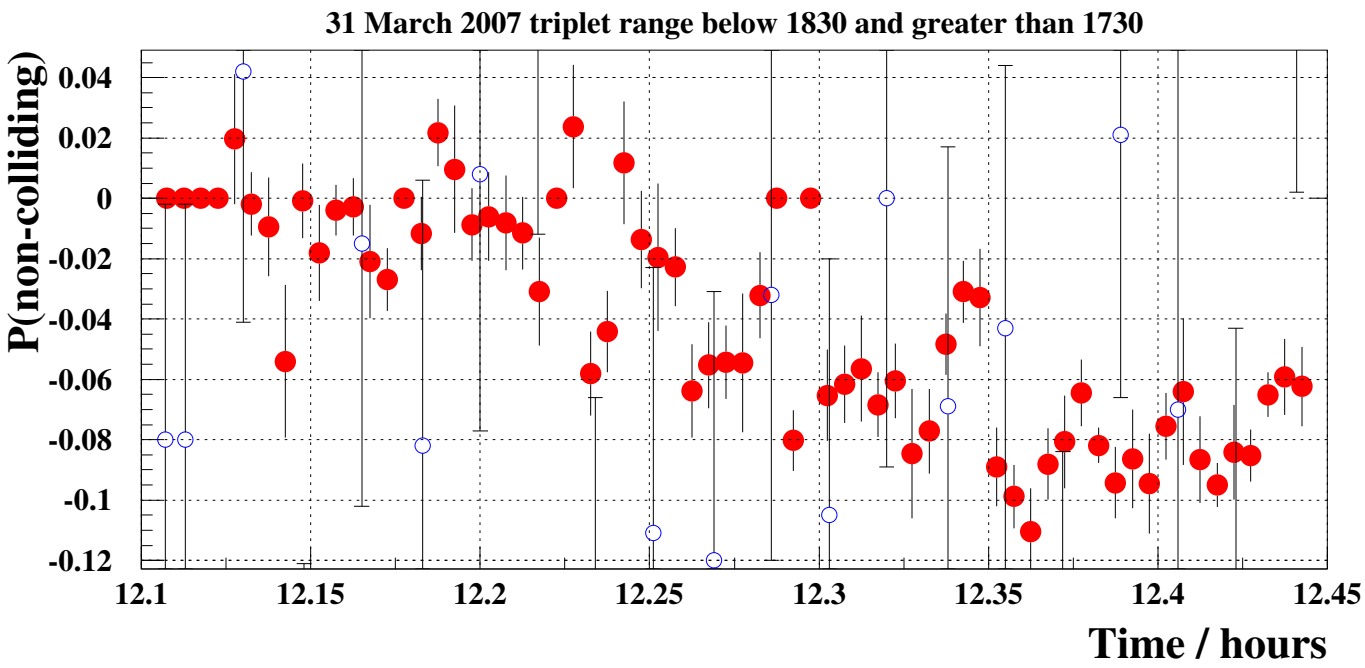

P(colliding)
0.02
0.01
0
-0.01
-0.02
10.85
10.9
10.95
11
11.05
11.1
11.15
11.2
time/hour

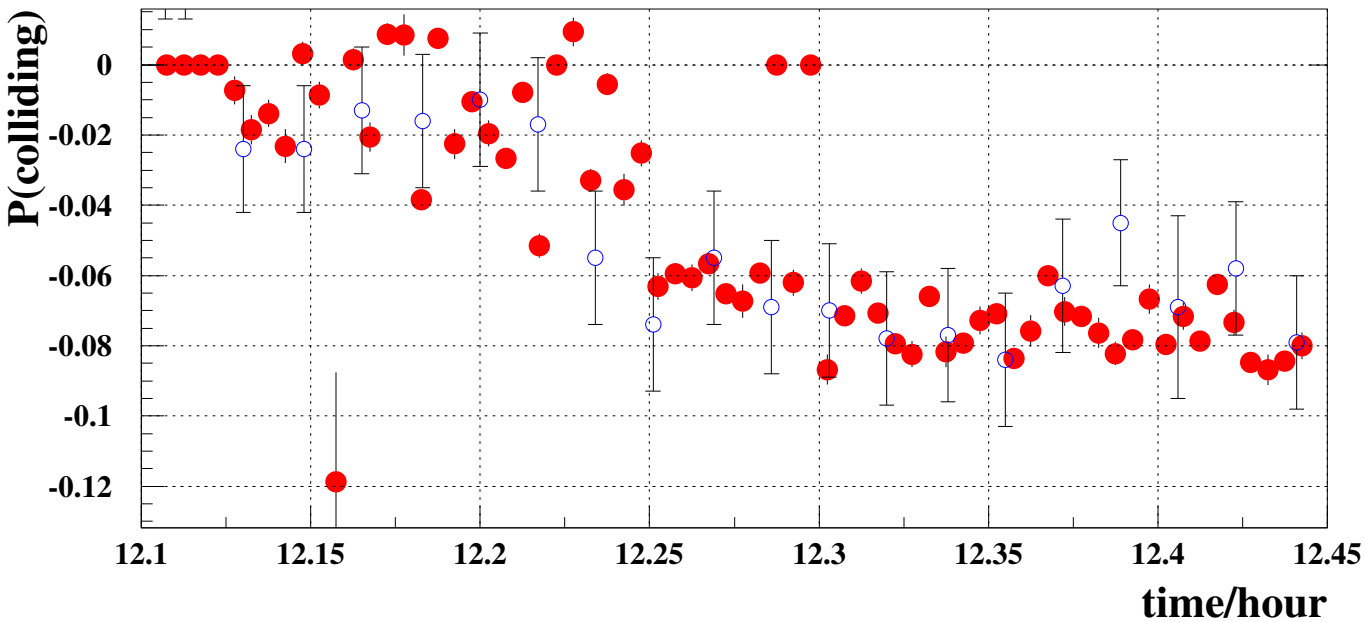

31 March 2007 triplet range below 1530 and greater than 1430
P(non-colliding)
0.05
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
11.15
11.2
11.25
11.3
11.35
11.4
11.45
11.5
Time / hours
P(colliding)
0.02
0.01
0
-0.01
-0.02
11.15
11.2
11.25
11.3
11.35
11.4
11.45
11.5
time/hour

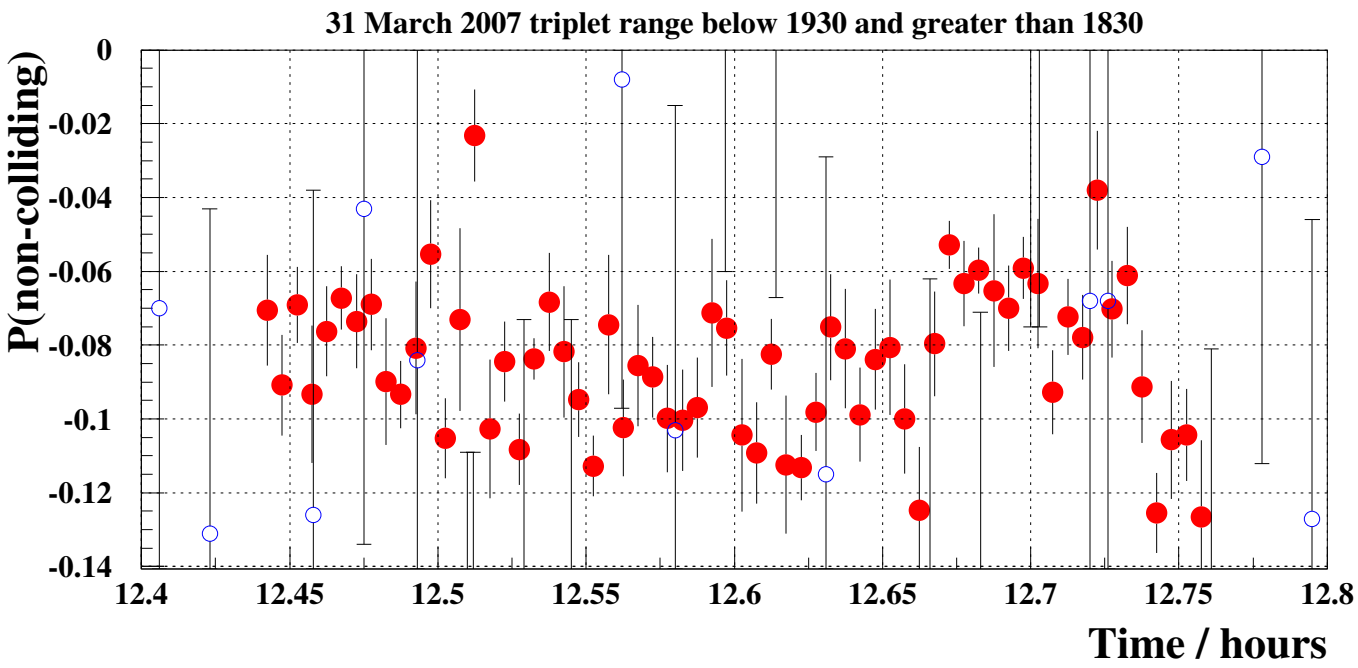

31 March 2007 triplet range below 1630 and greater than 1530
P(non-colliding)
0.06
0.04
0.02
0
-0.02
11.45
11.5
11.55
11.6
11.65
11.7
11.75
11.8
11.85
Time / hours

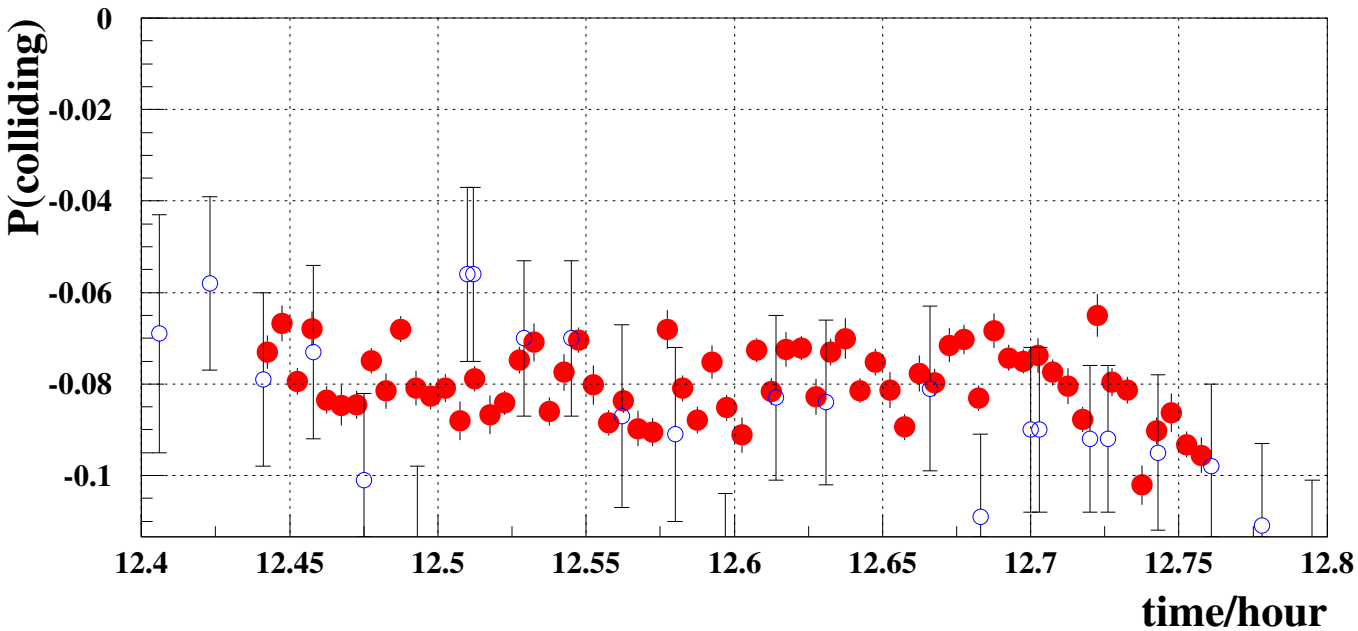

P(colliding)
0.05
0.04
0.03
0.02
0.01
0
-0.01
-0.02
11.45
11.5
11.55
11.6
11.65
11.7
11.75
11.8
11.85
time/hour

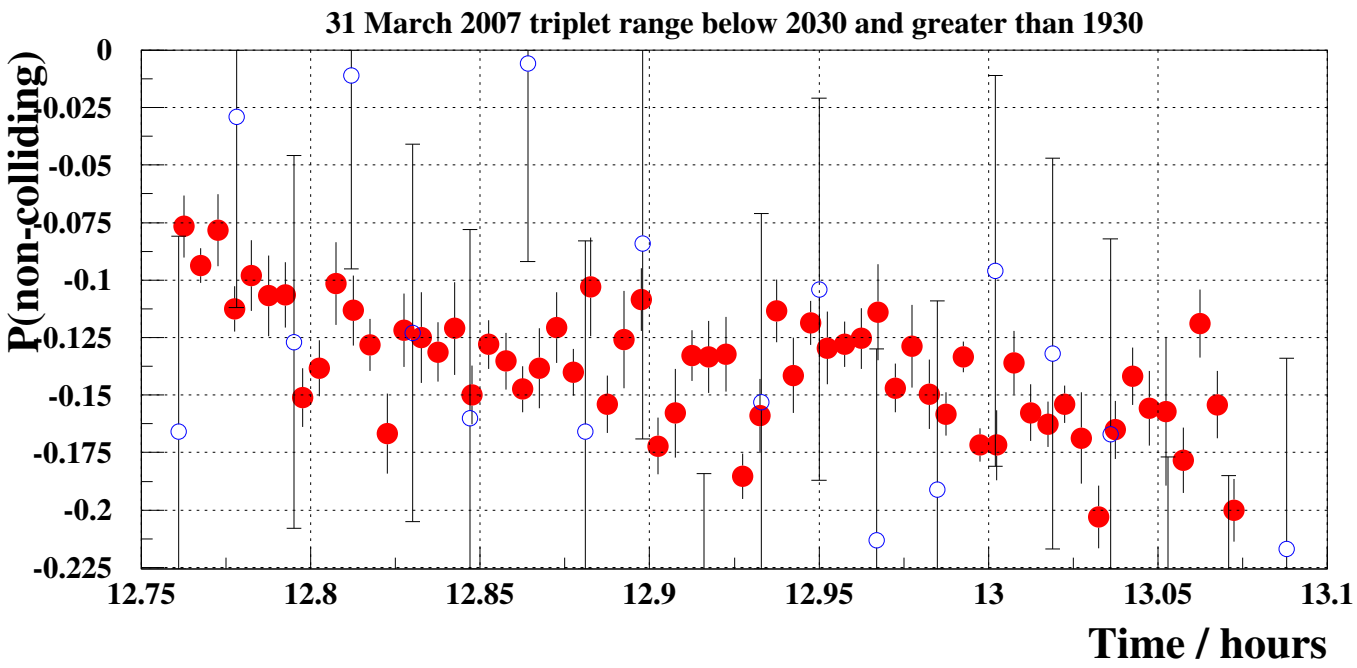

31 March 2007 triplet range below 1730 and greater than 1630
P(non-colliding)
0.1
0.08
0.06
0.04
0.02
0
-0.02
11.8
11.85
11.9
11.95
12
12.05
12.1
12.15
Time / hours
P(colliding)
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
11.8
11.85
11.9
11.95
12
12.05
12.1
12.15
time/hour

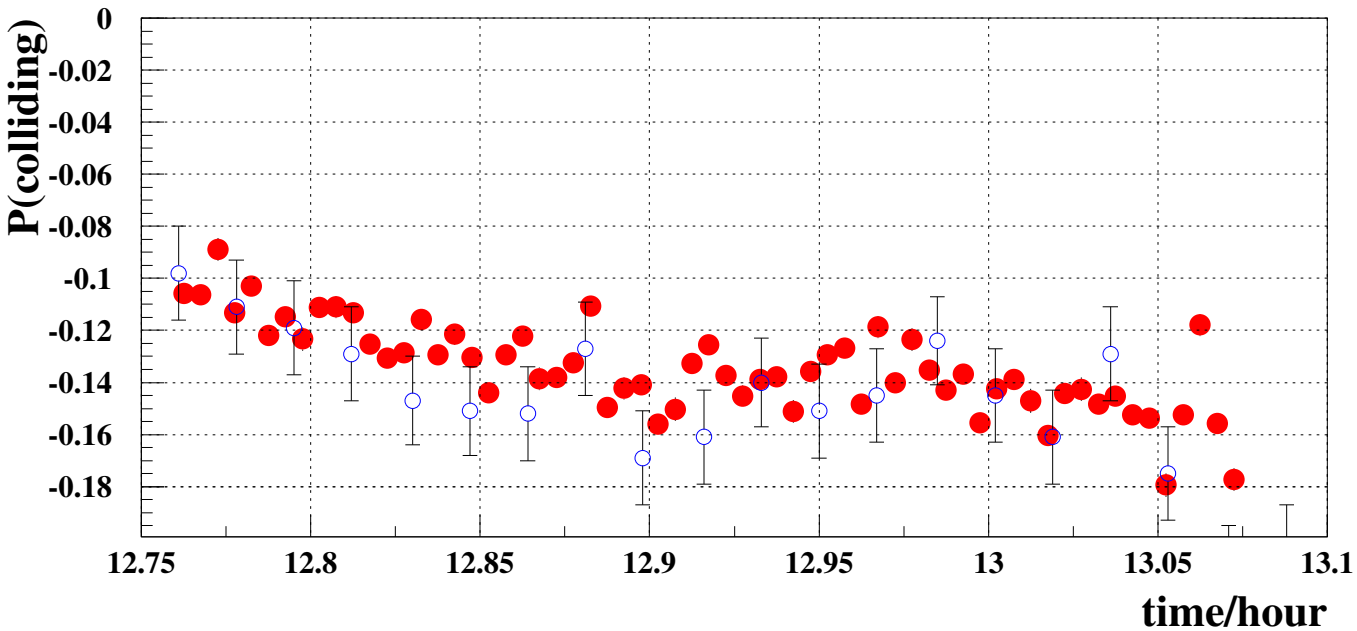

31 March 2007 triplet range below 1830 and greater than 1730
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
12.1
12.15
12.2
12.25
12.3
12.35
12.4
12.45
Time / hours

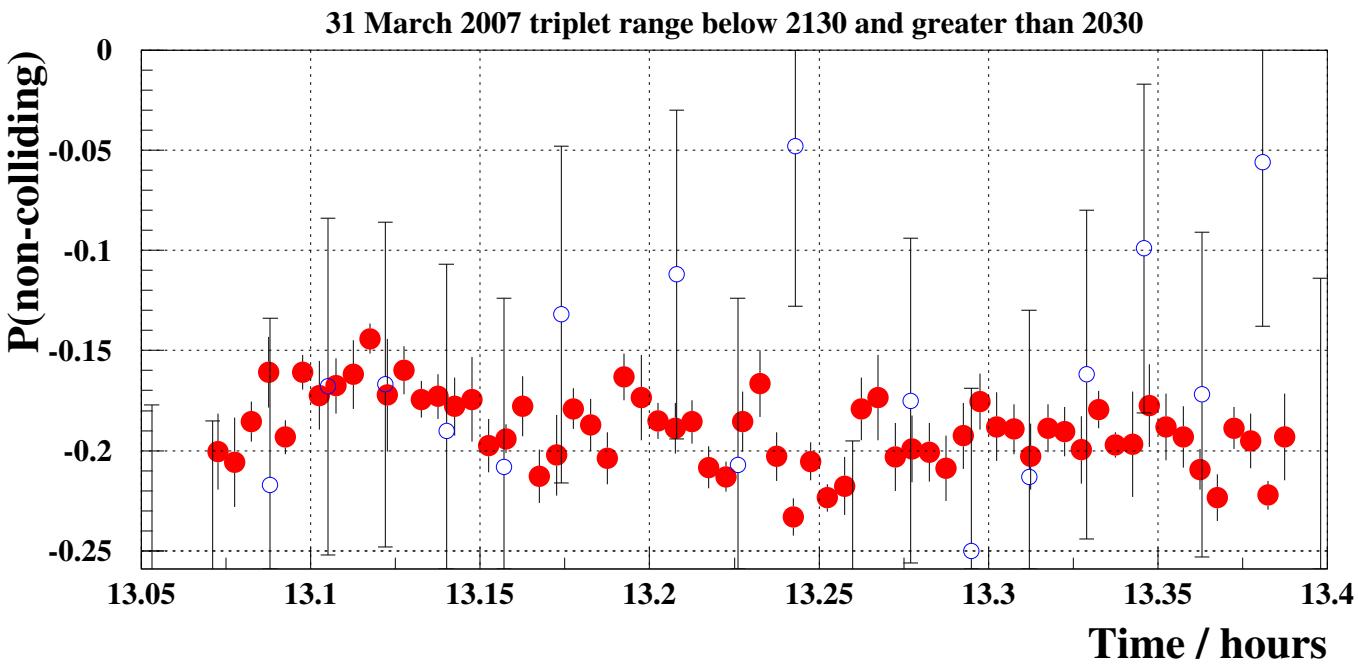

P(colliding)
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
12.1
12.15
12.2
12.25
12.3
12.35
12.4
12.45
time/hour

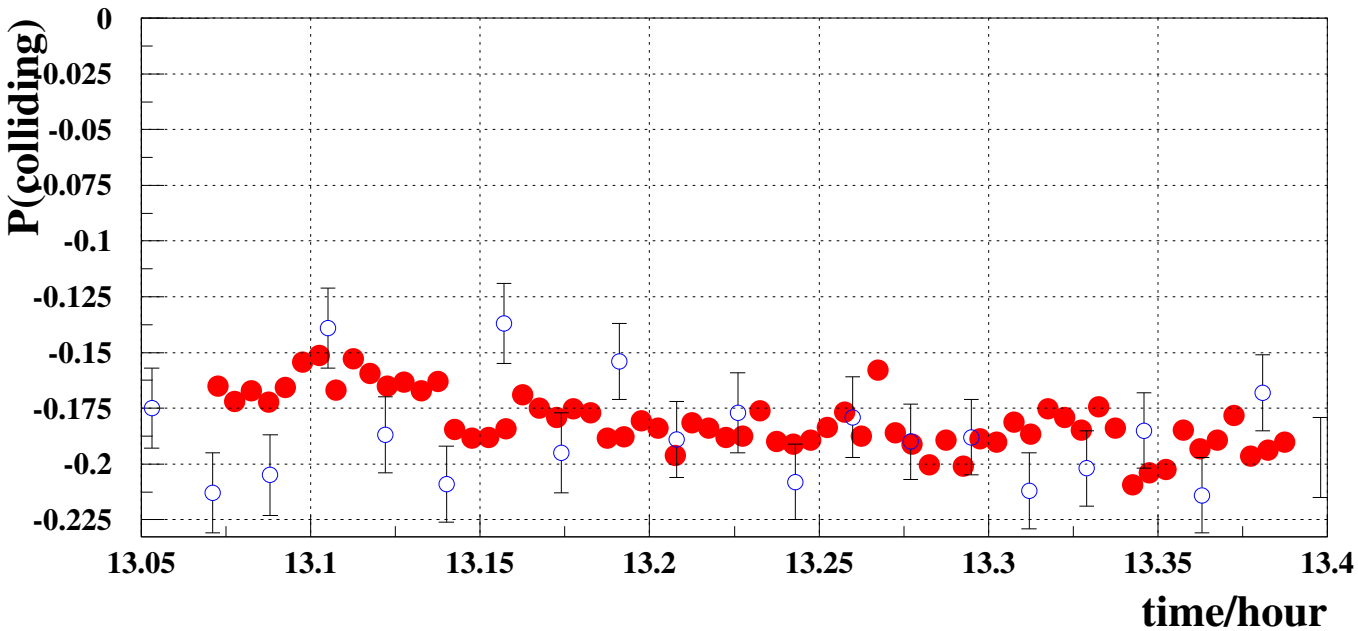

31 March 2007 triplet range below 1930 and greater than 1830
P(non-colliding)
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
12.4
12.45
12.5
12.55
12.6
12.65
12.7
12.75
12.8
Time / hours

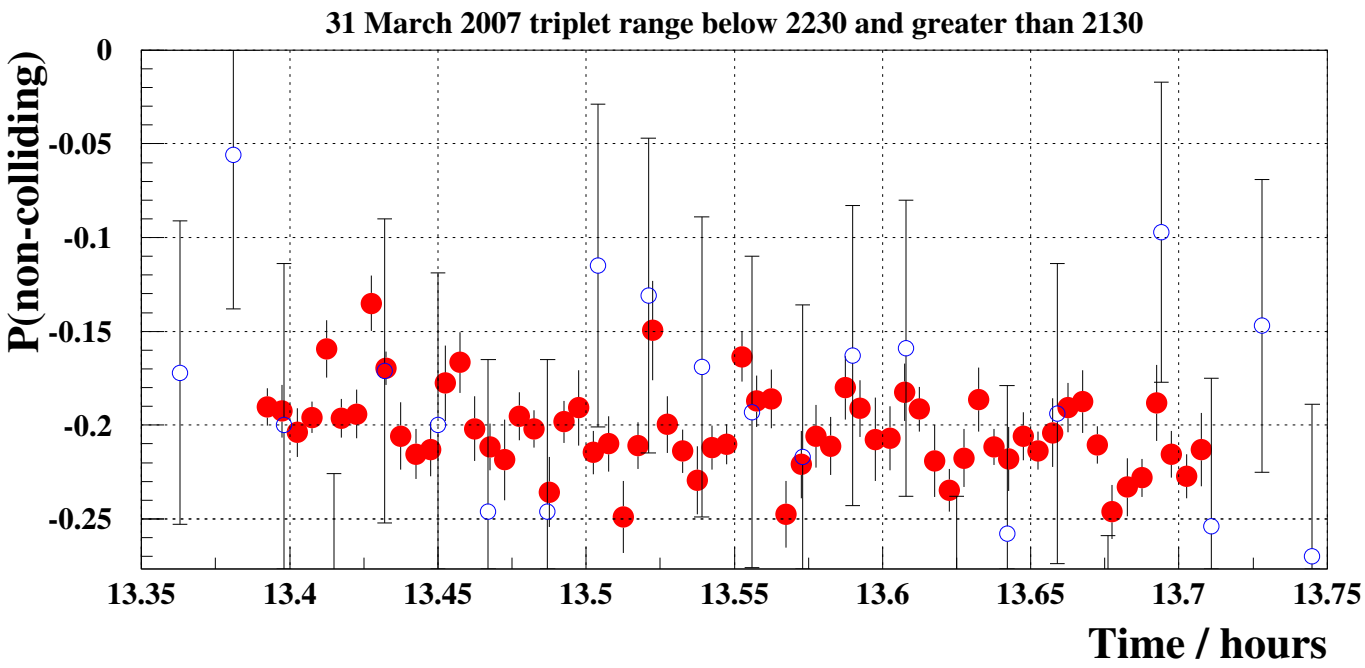

P(colliding)
0
-0.02
-0.04
-0.06
-0.08
-0.1
12.4
12.45
12.5
12.55
12.6
12.65
12.7
12.75
12.8
time/hour

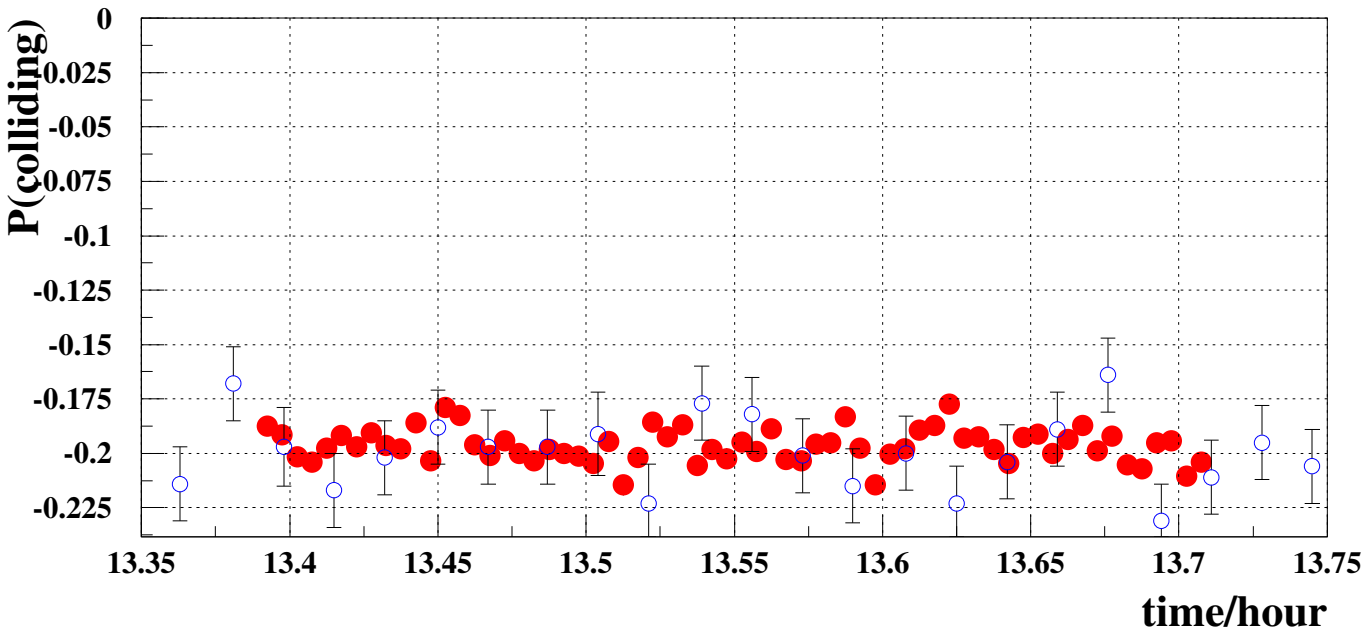

31 March 2007 triplet range below 2030 and greater than 1930
P(non-colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
-0.225
12.75
12.8
12.85
12.9
12.95
13
13.05
13.1
Time / hours

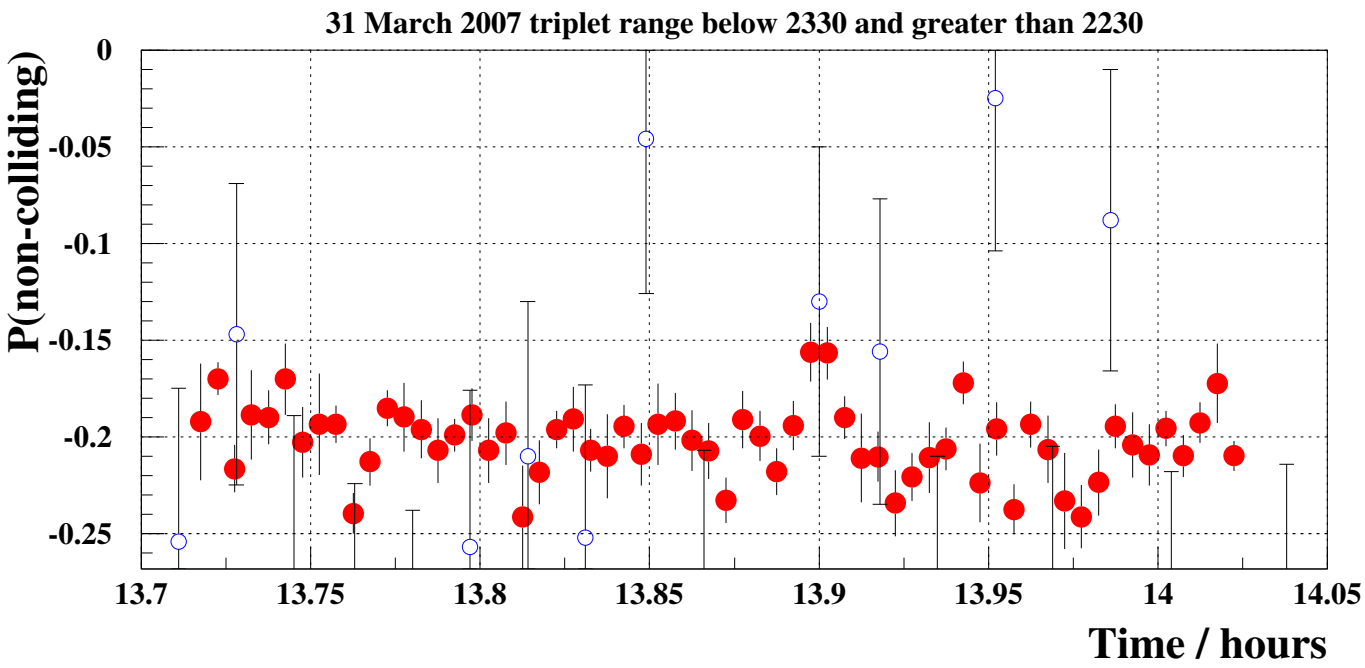

P(colliding)
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
-0.16
-0.18
12.75
12.8
12.85
12.9
12.95
13
13.05
13.1
time/hour

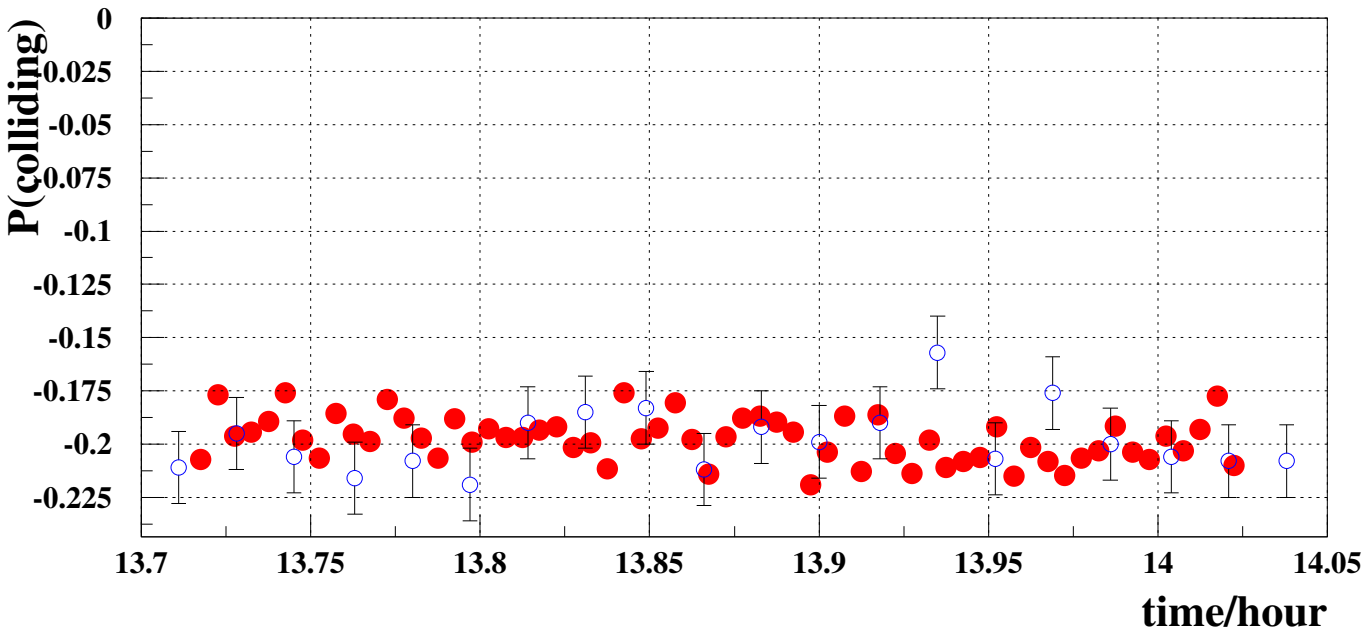

31 March 2007 triplet range below 2130 and greater than 2030
P(non-colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
13.05
13.1
13.15
13.2
13.25
13.3
13.35
13.4
Time / hours

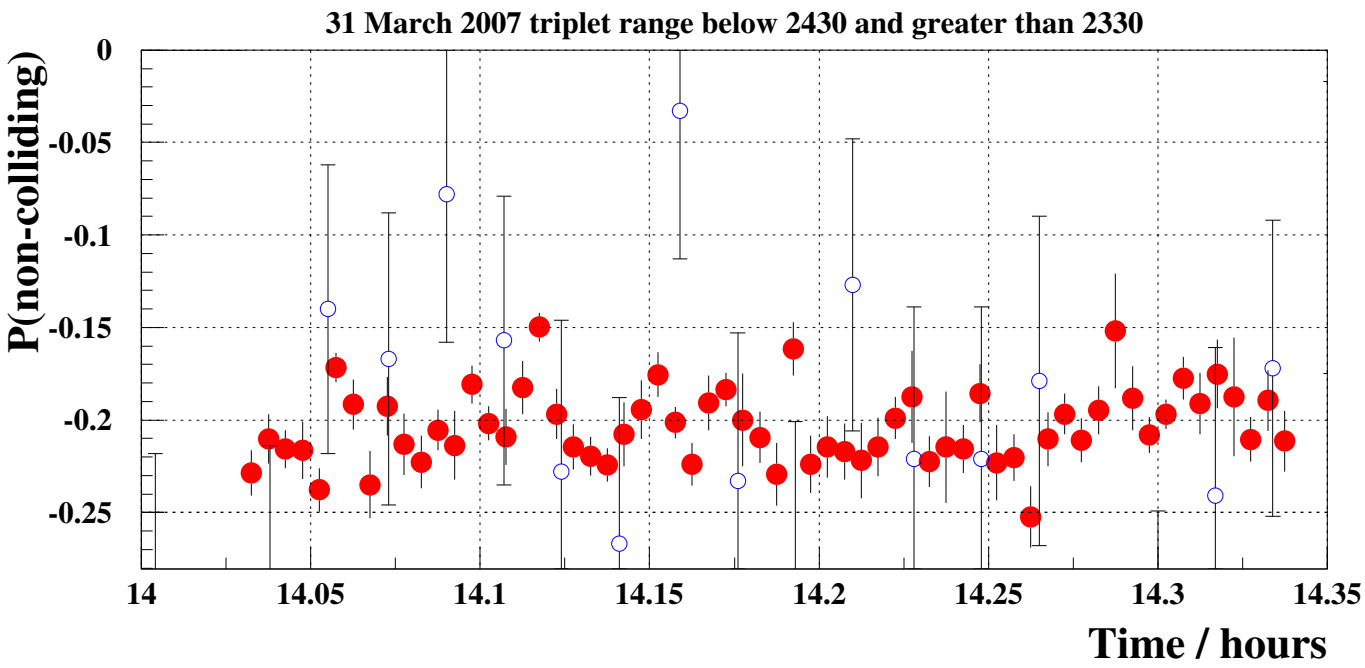

P(colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
-0.225
13.05
13.1
13.15
13.2
13.25
13.3
13.35
13.4
time/hour

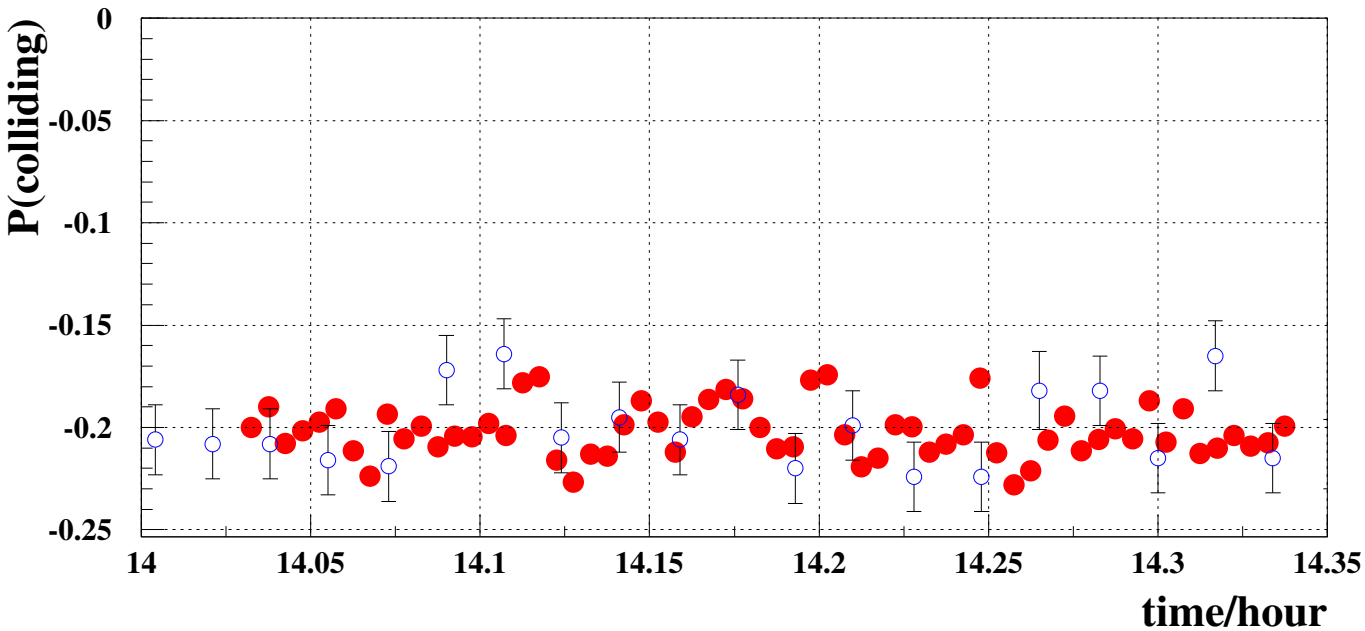

31 March 2007 triplet range below 2230 and greater than 2130
P(non-colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
13.35
13.4
13.45
13.5
13.55
13.6
13.65
13.7
13.75
Time / hours

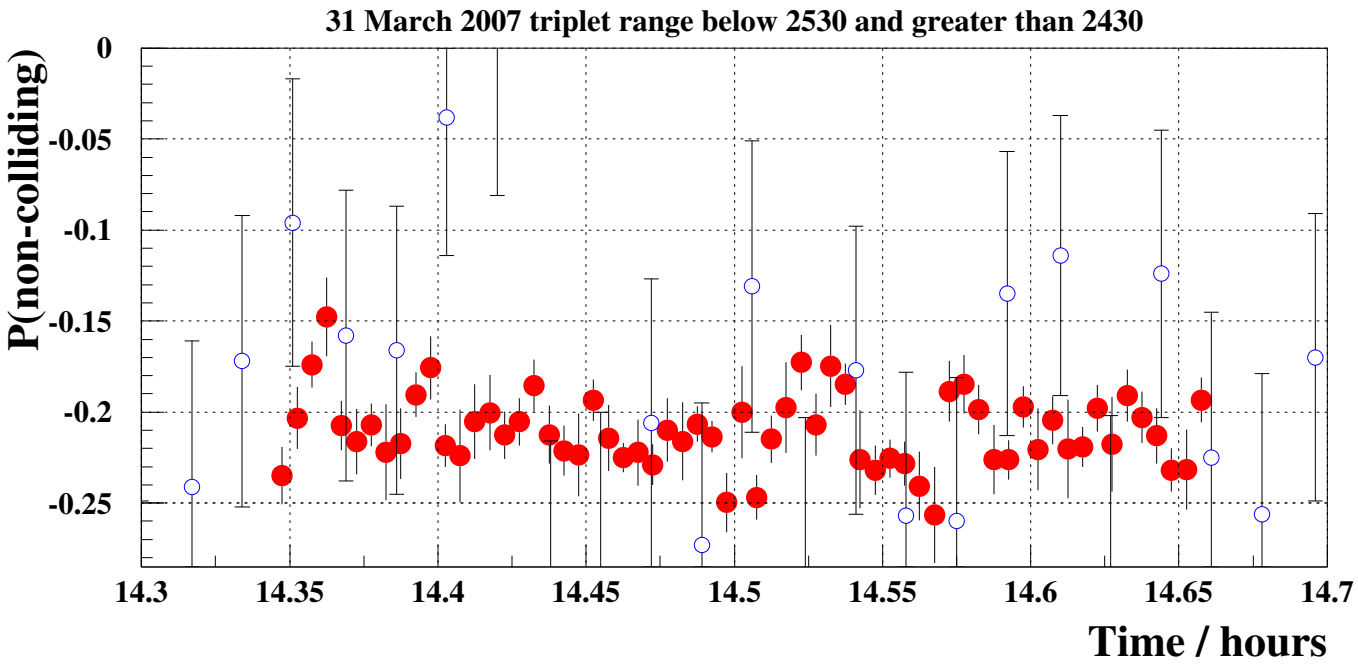

P(colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
-0.225
13.35
13.4
13.45
13.5
13.55
13.6
13.65
13.7
13.75
time/hour

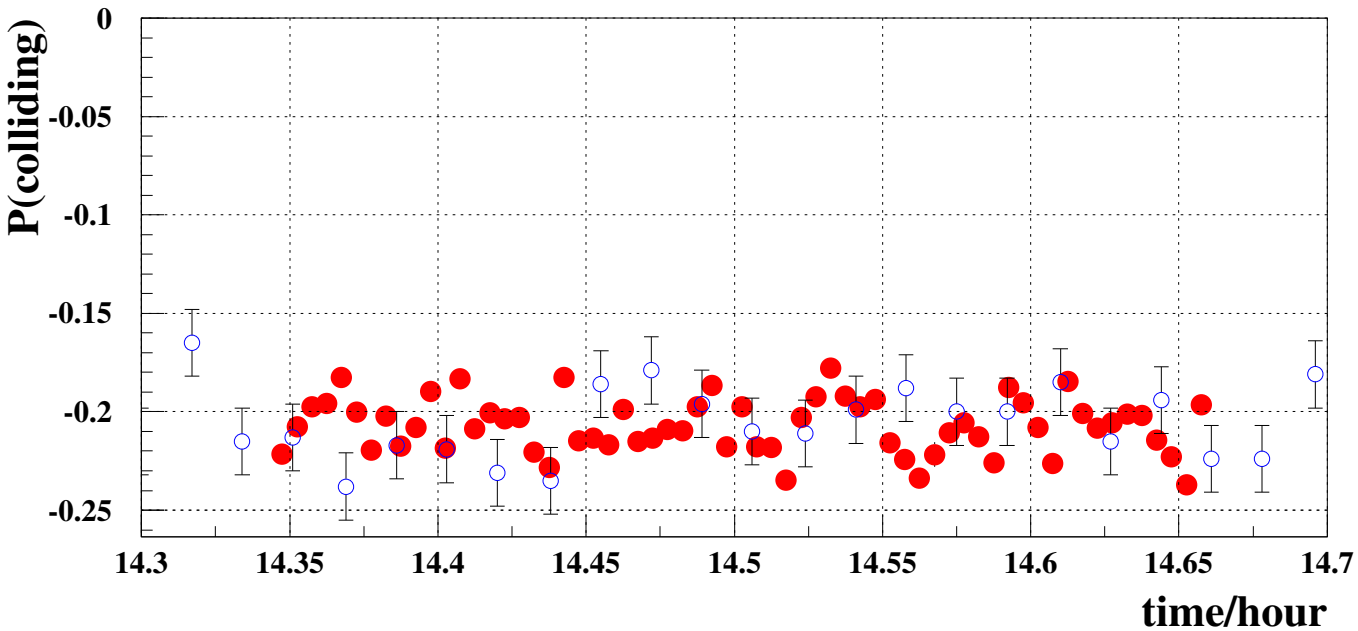

31 March 2007 triplet range below 2330 and greater than 2230
P(non-colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
13.7
13.75
13.8
13.85
13.9
13.95
14
14.05
Time / hours

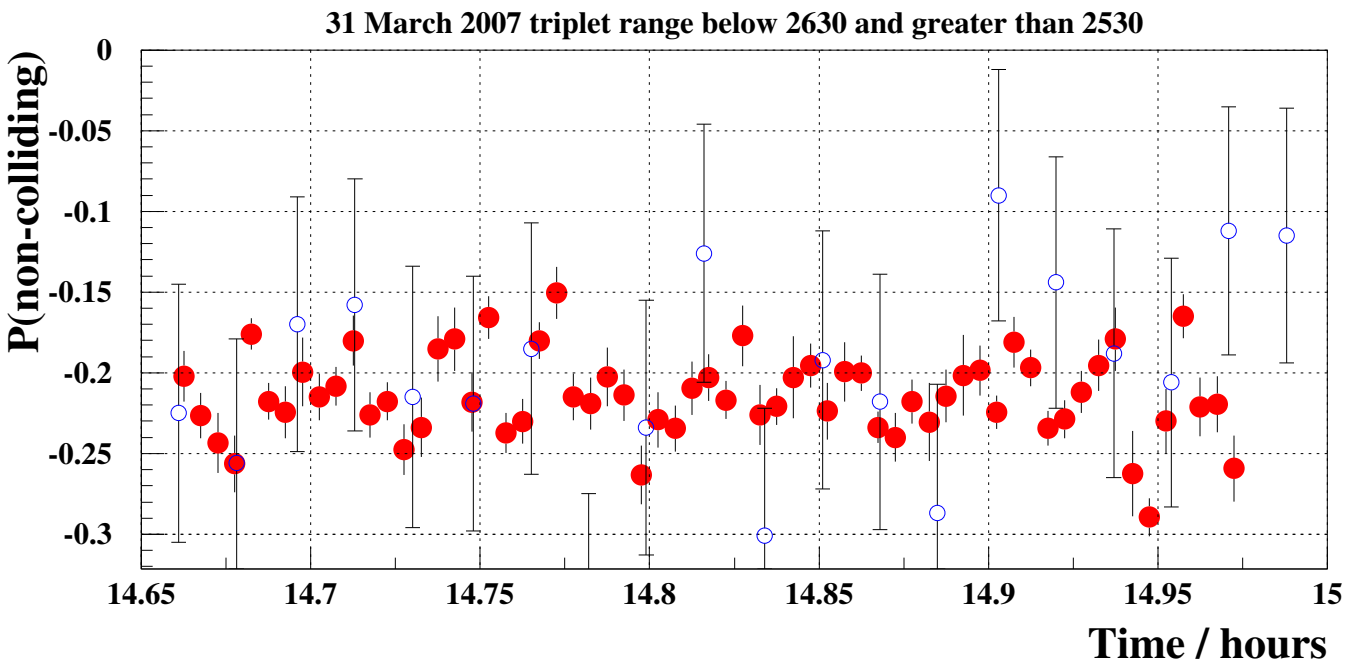

P(colliding)
0
-0.025
-0.05
-0.075
-0.1
-0.125
-0.15
-0.175
-0.2
-0.225
13.7
13.75
13.8
13.85
13.9
13.95
14
14.05
time/hour

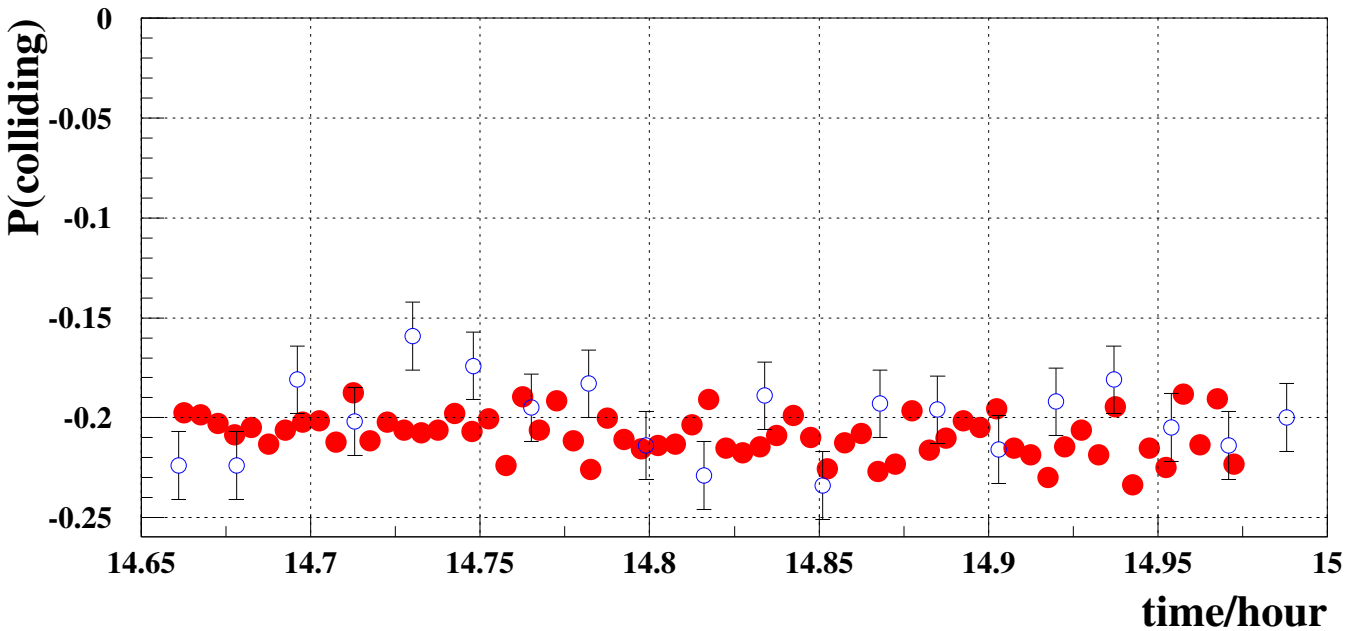

31 March 2007 triplet range below 2430 and greater than 2330
P(non-colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
14
14.05
14.1
14.15
14.2
14.25
14.3
14.35
Time / hours

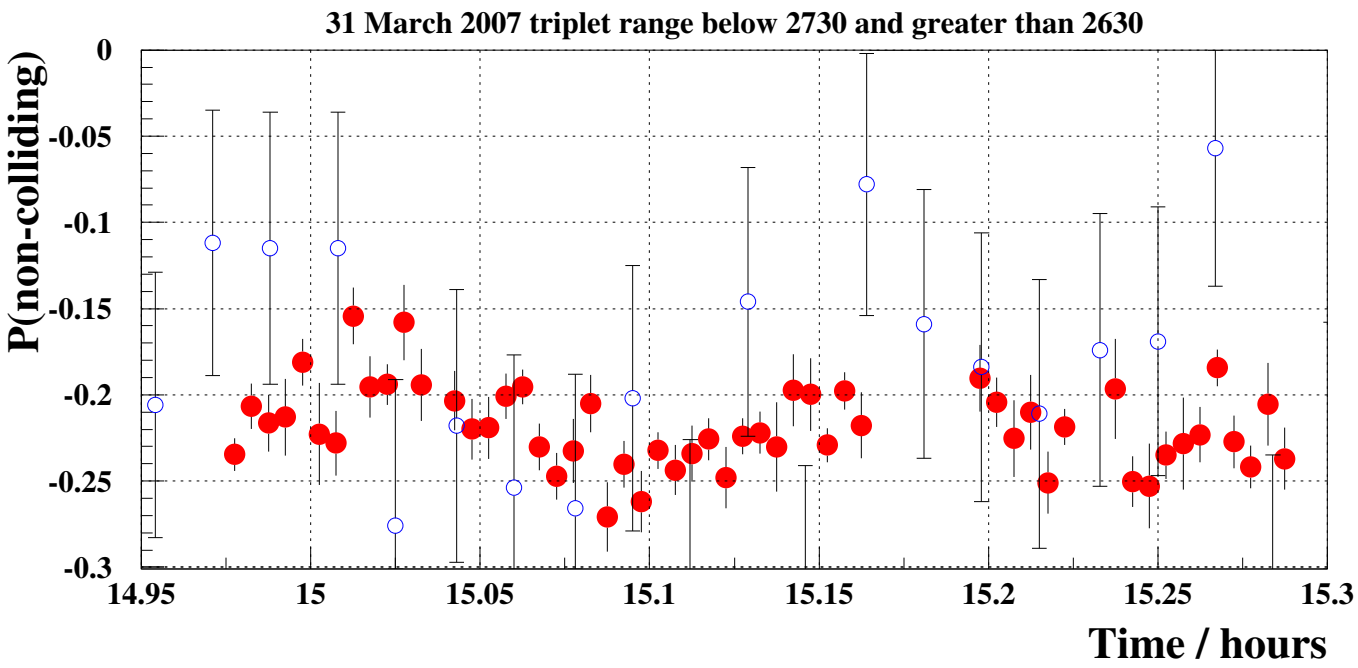

P(colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
14
14.05
14.1
14.15
14.2
14.25
14.3
14.35
time/hour

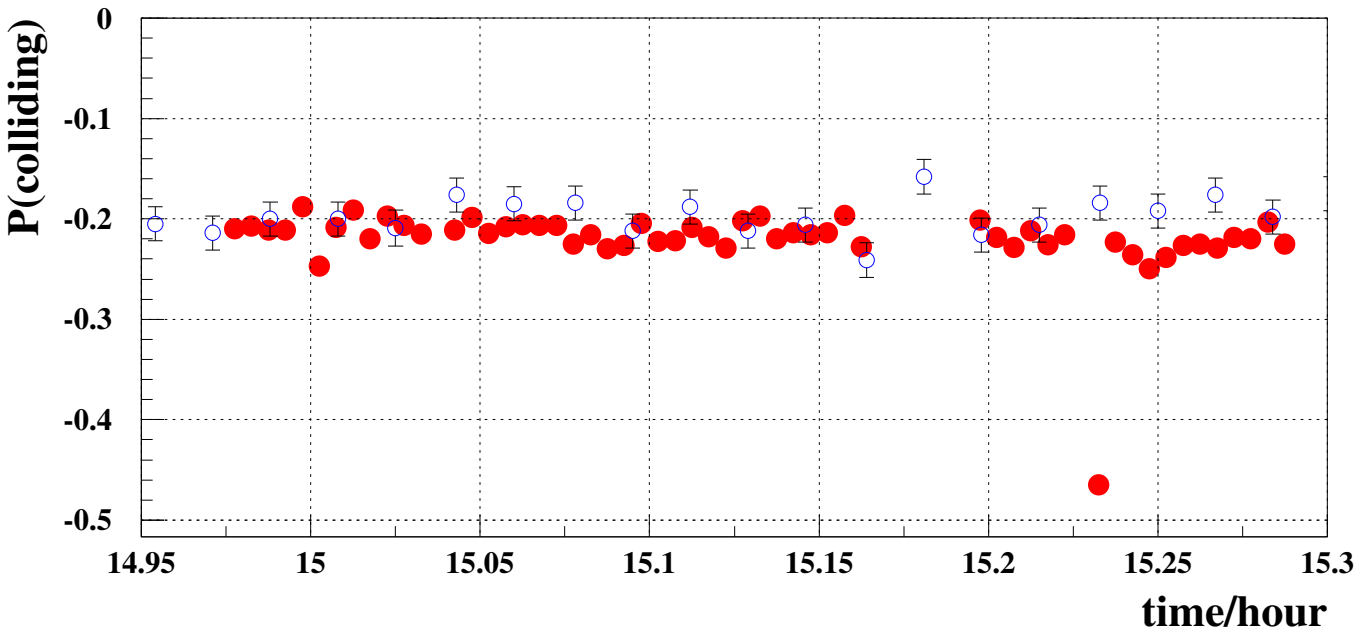

31 March 2007 triplet range below 2530 and greater than 2430
P(non-colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
14.3
14.35
14.4
14.45
14.5
14.55
14.6
14.65
14.7
Time / hours

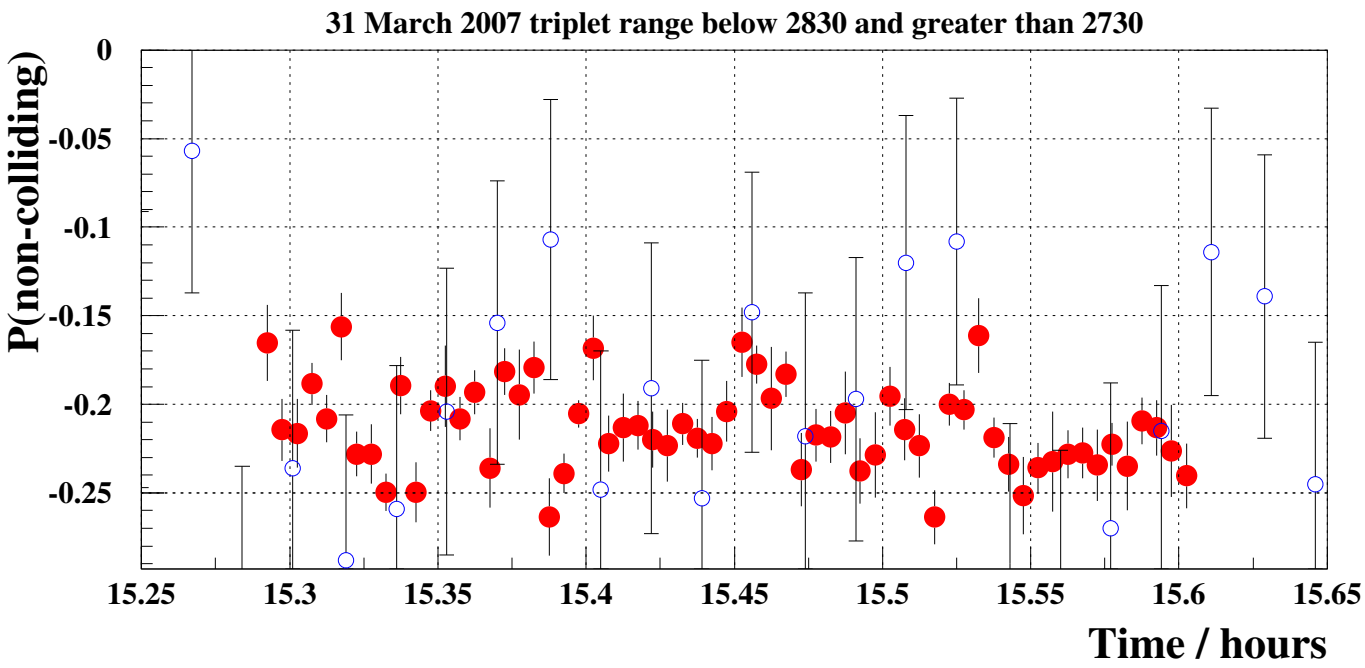

P(colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
14.3
14.35
14.4
14.45
14.5
14.55
14.6
14.65
14.7
time/hour

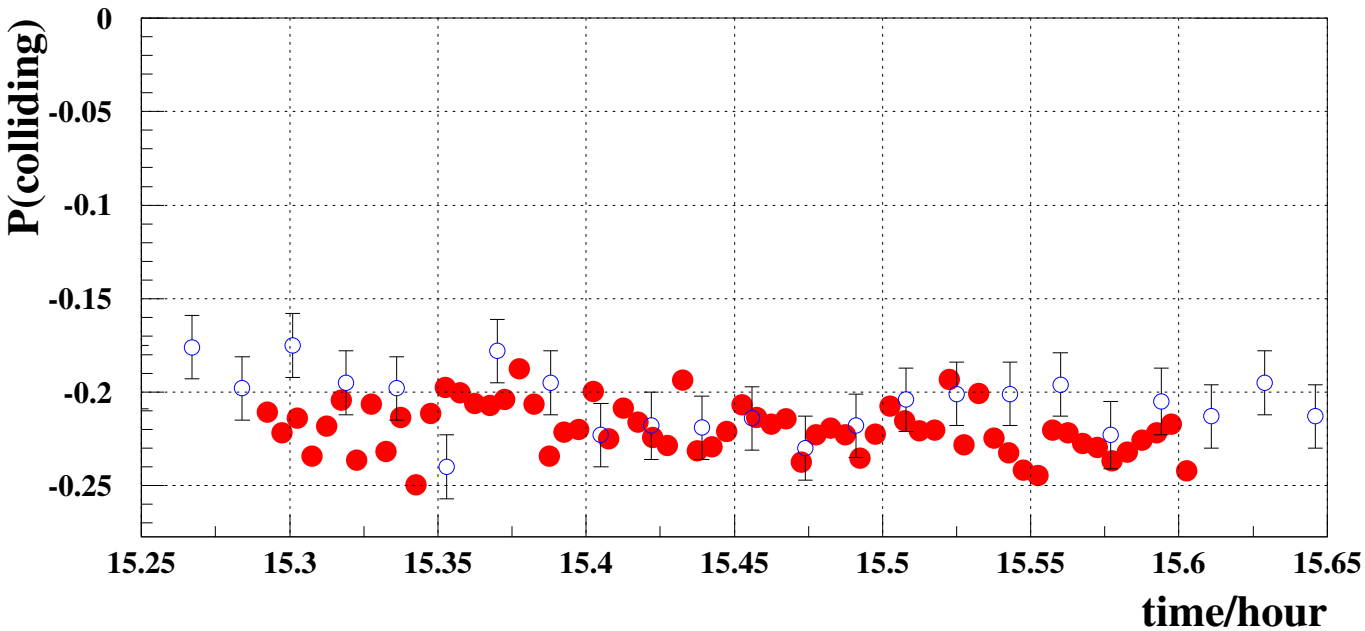

31 March 2007 triplet range below 2630 and greater than 2530
P(non-colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
-0.3
14.65
14.7
14.75
14.8
14.85
14.9
14.95
15
Time / hours

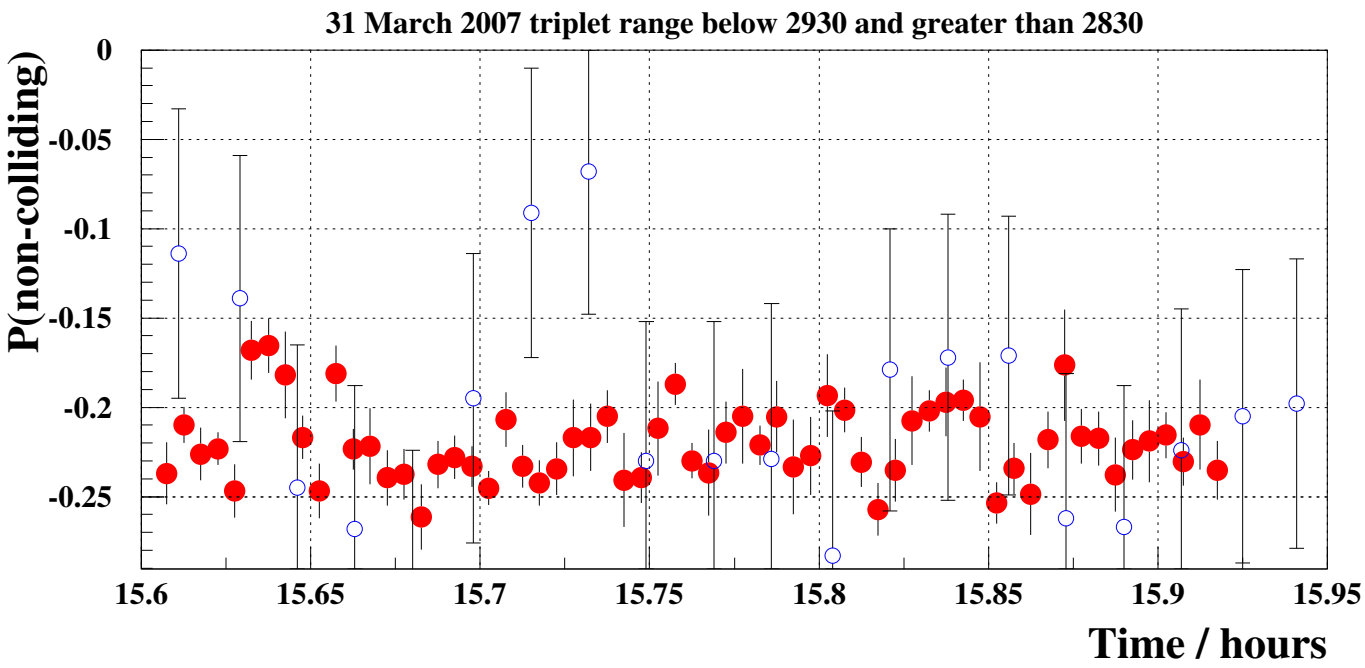

P(colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
14.65
14.7
14.75
14.8
14.85
14.9
14.95
15
time/hour

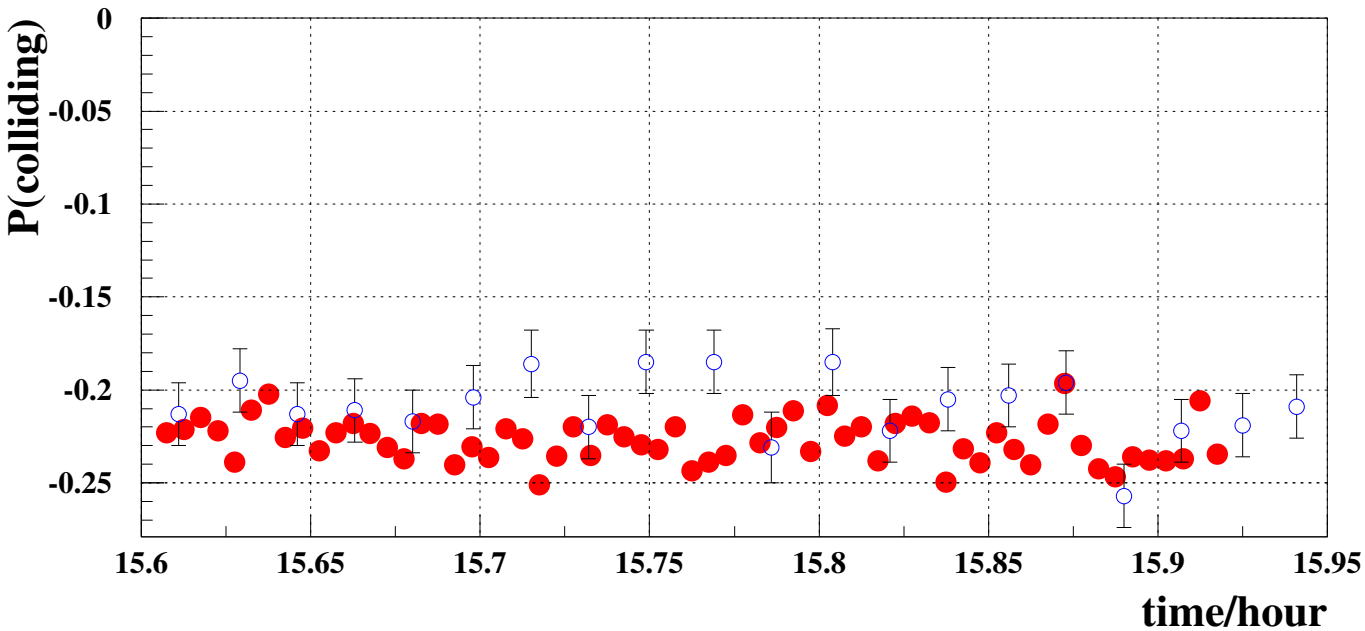

31 March 2007 triplet range below 2730 and greater than 2630
P(non-colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
-0.3
14.95
15
15.05
15.1
15.15
15.2
15.25
15.3
Time / hours

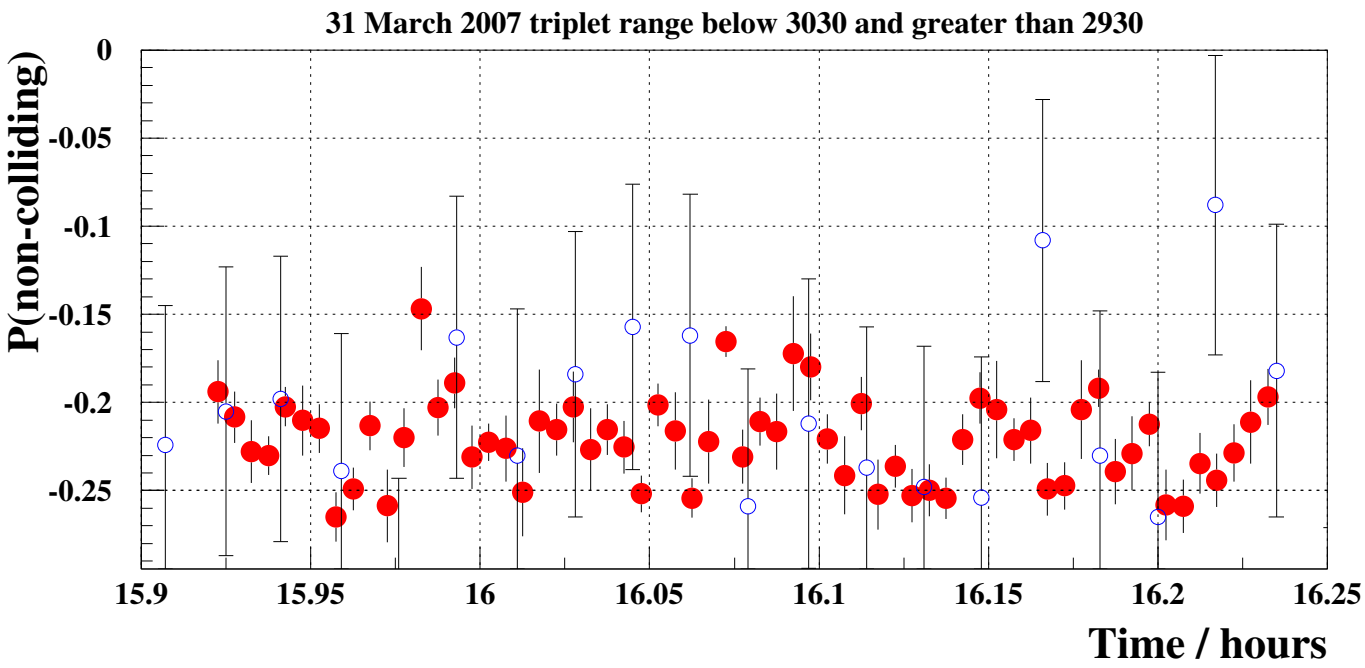

P(colliding)
0
-0.1
-0.2
-0.3
-0.4
-0.5
14.95
15
15.05
15.1
15.15
15.2
15.25
15.3
time/hour

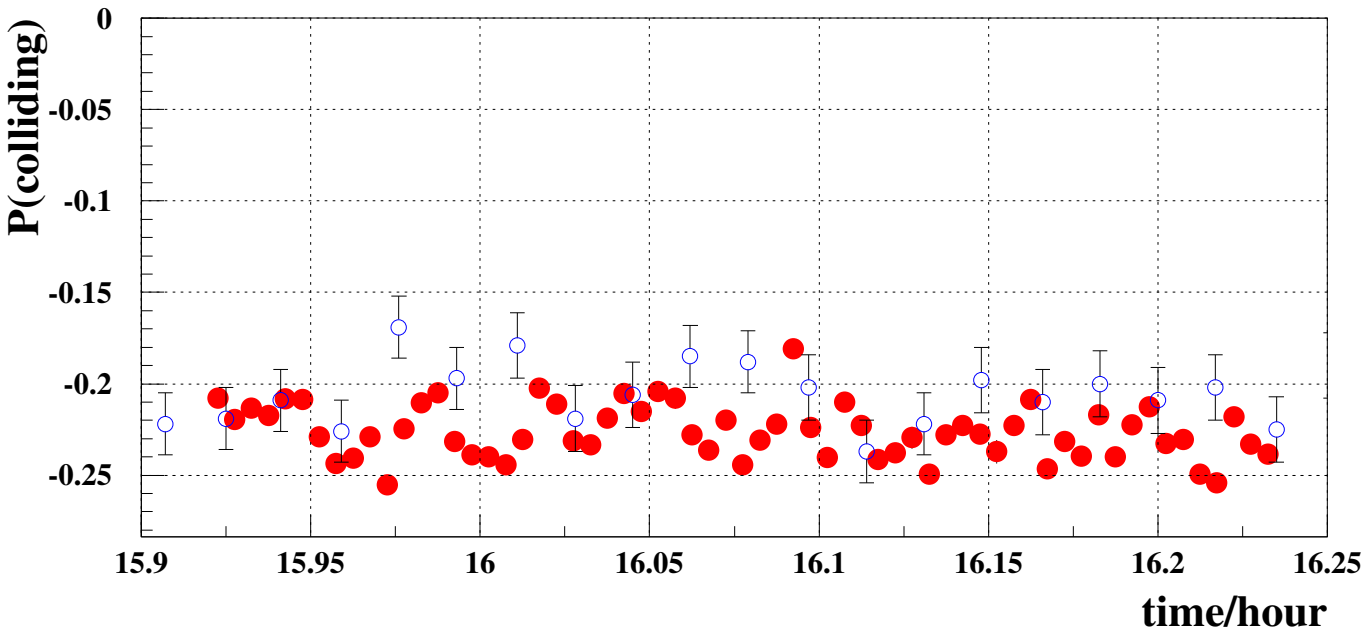

31 March 2007 triplet range below 2830 and greater than 2730
P(non-colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
15.25
15.3
15.35
15.4
15.45
15.5
15.55
15.6
15.65
Time / hours

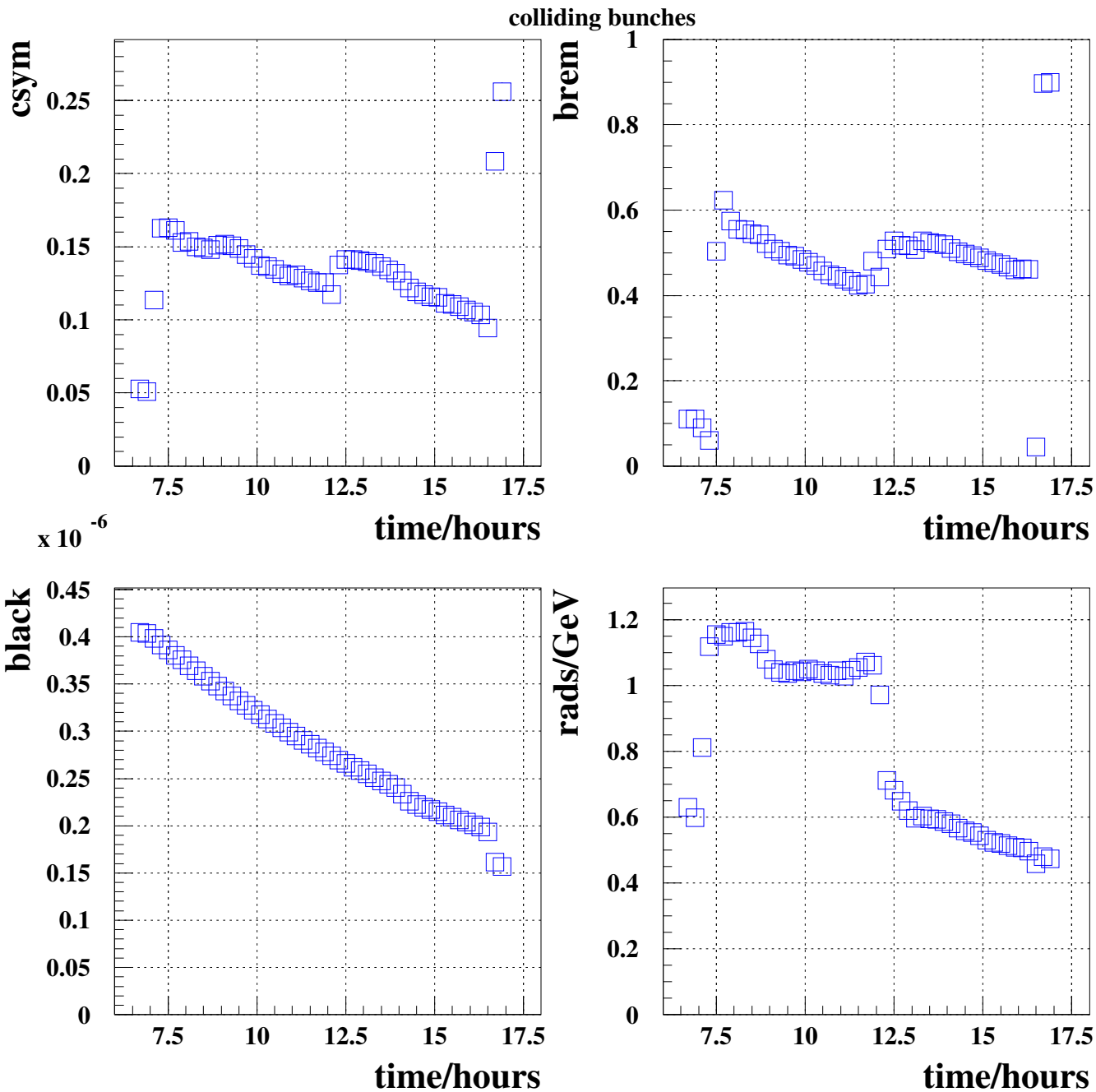

P(colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
15.25
15.3
15.35
15.4
15.45
15.5
15.55
15.6
15.65
time/hour

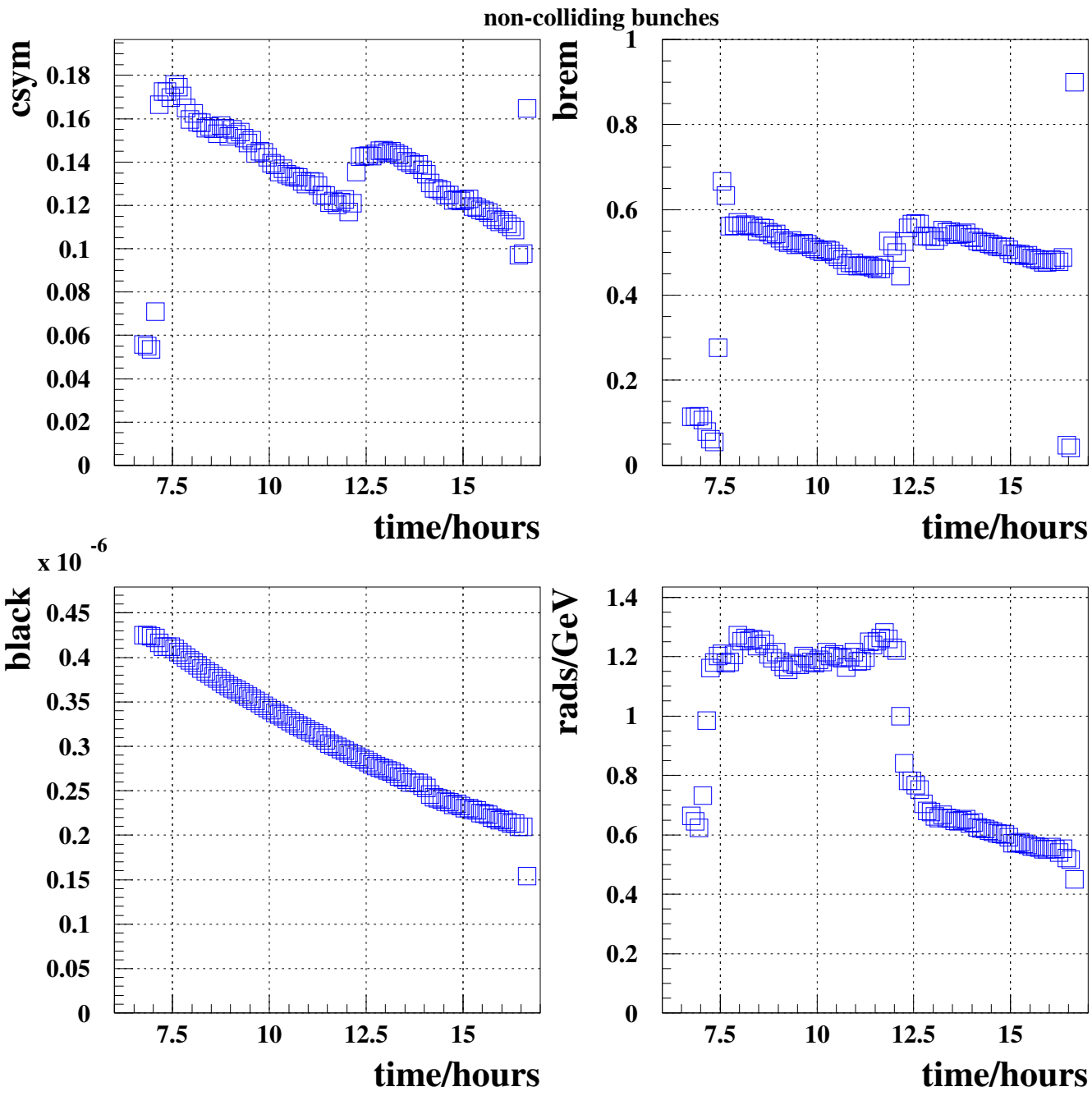

31 March 2007 triplet range below 2930 and greater than 2830
P(non-colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
15.6
15.65
15.7
15.75
15.8
15.85
15.9
15.95
Time / hours

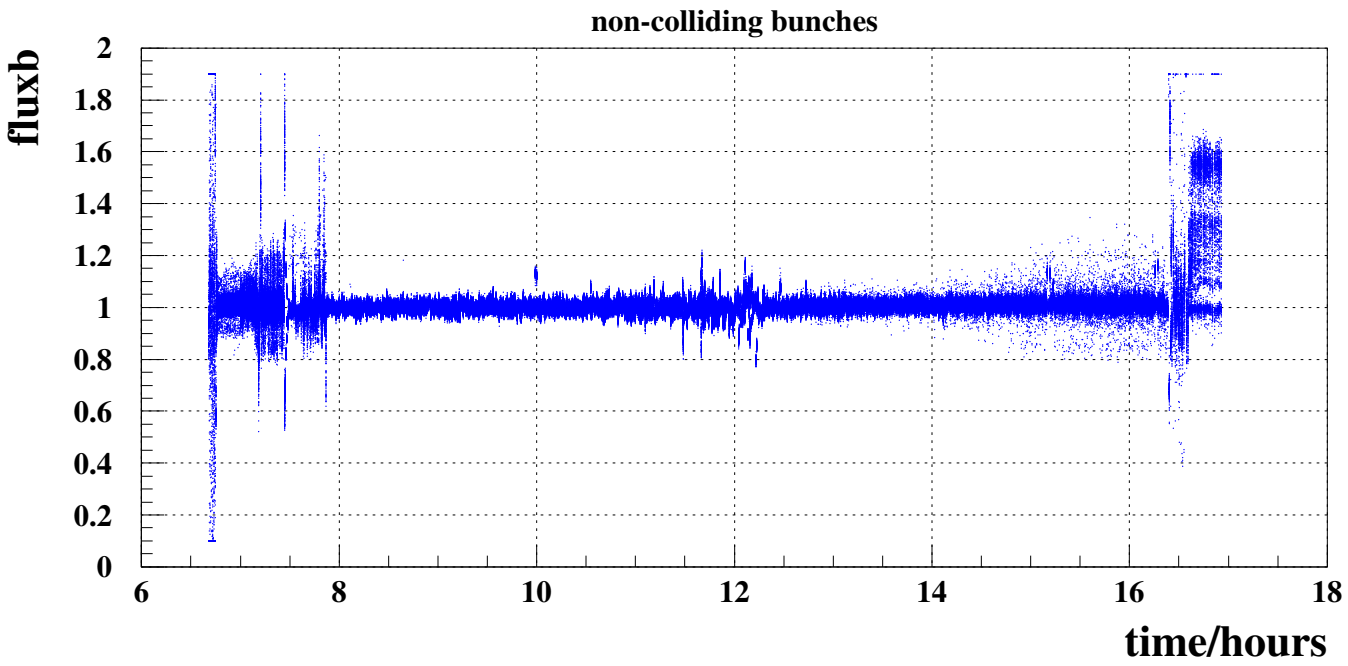

P(colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
15.6
15.65
15.7
15.75
15.8
15.85
15.9
15.95
time/hour

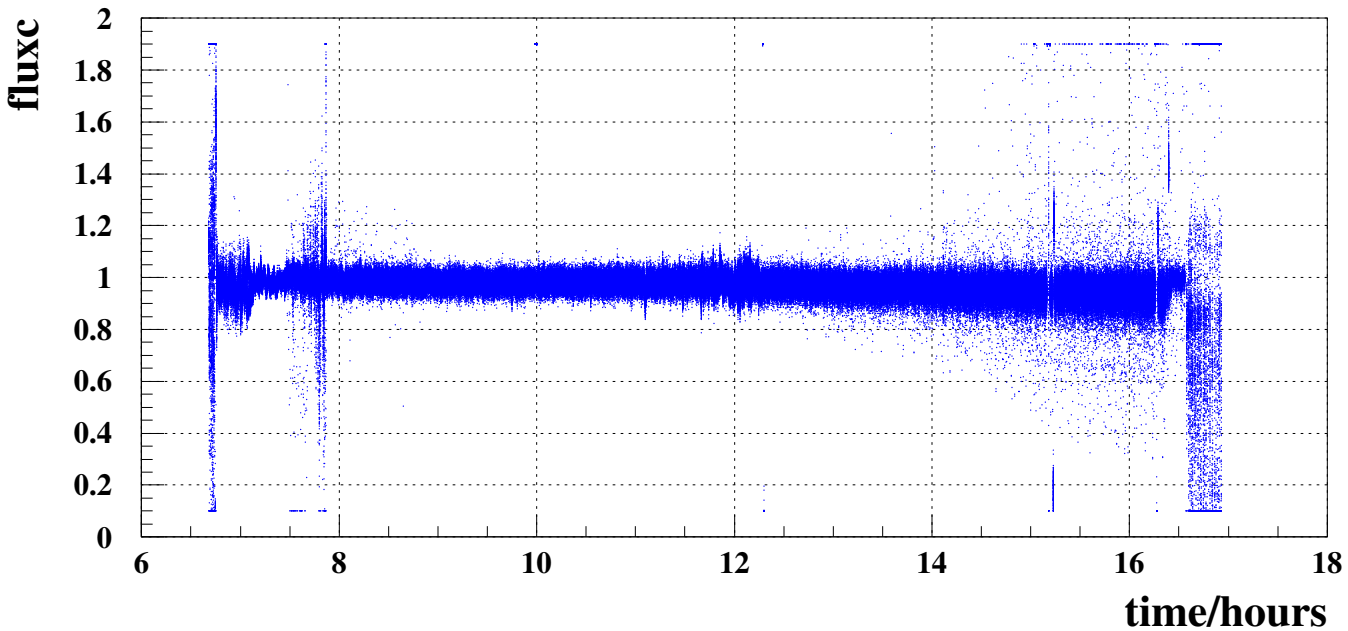

31 March 2007 triplet range below 3030 and greater than 2930
P(non-colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
15.9
15.95
16
16.05
16.1
16.15
16.2
16.25
Time / hours

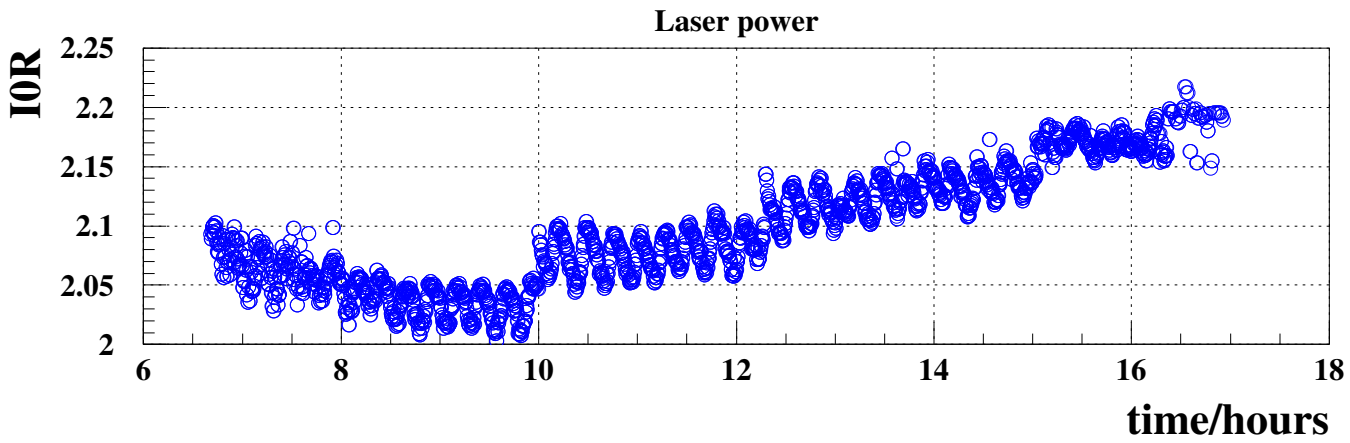

P(colliding)
0
-0.05
-0.1
-0.15
-0.2
-0.25
15.9
15.95
16
16.05
16.1
16.15
16.2
16.25
time/hour

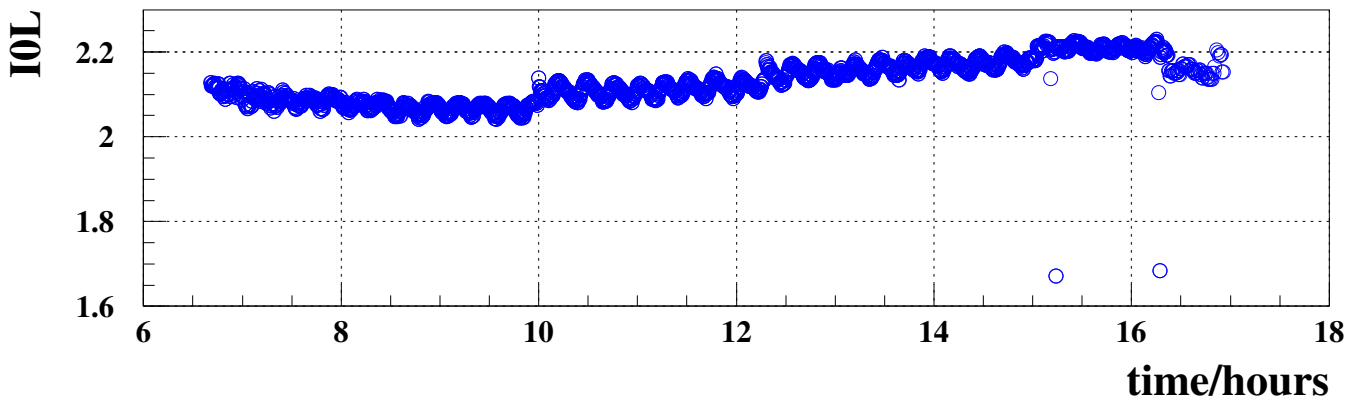

colliding bunches
csym
0.25
0.2
0.15
0.1
0.05
0
7.5
10
12.5
15
17.5
time/hours
x 10 -6
brem
1
0.8
0.6
0.4
0.2
0
7.5
10
12.5
15
17.5
time/hours
black
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7.5
10
12.5
15
17.5
time/hours
rads/GeV
1.2
1
0.8
0.6
0.4
0.2
0
7.5
10
12.5
15
17.5
time/hours

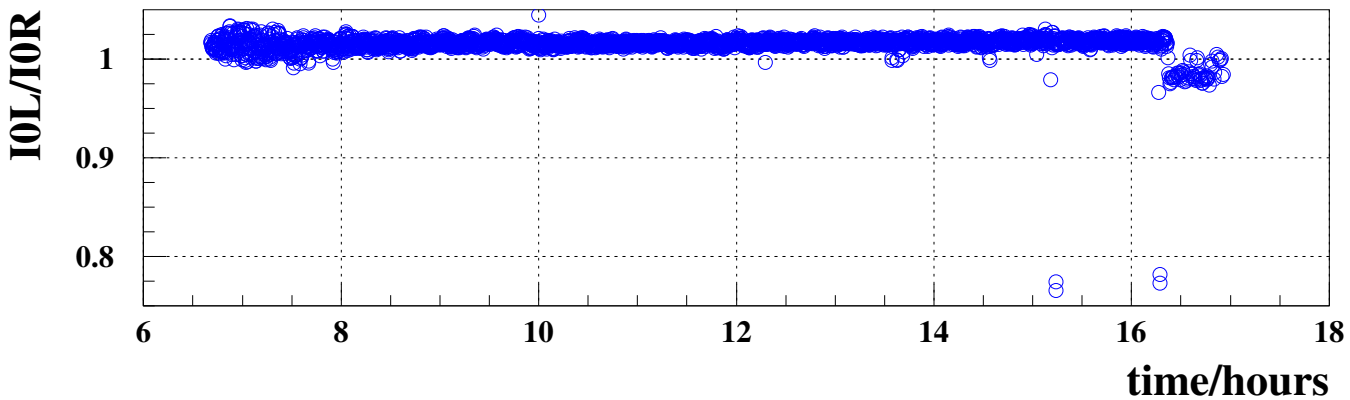

non-colliding bunches
csym
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7.5
10
12.5
15
time/hours
brem
1
0.8
0.6
0.4
0.2
0
7.5
10
12.5
15
time/hours
x 10 -6
black
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7.5
10
12.5
15
time/hours
rads/GeV
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7.5
10
12.5
15
time/hours


non-colliding bunches
fluxb
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6
8
10
12
14
16
18
time/hours


fluxc
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6
8
10
12
14
16
18
time/hours


Laser power
I0R
2.25
2.2
2.15
2.1
2.05
2
6
8
10
12
14
16
18
time/hours


I0L
2.2
2
1.8
1.6
6
8
10
12
14
16
18
time/hours


I0L/I0R
1
0.9
0.8
6
8
10
12
14
16
18
time/hours