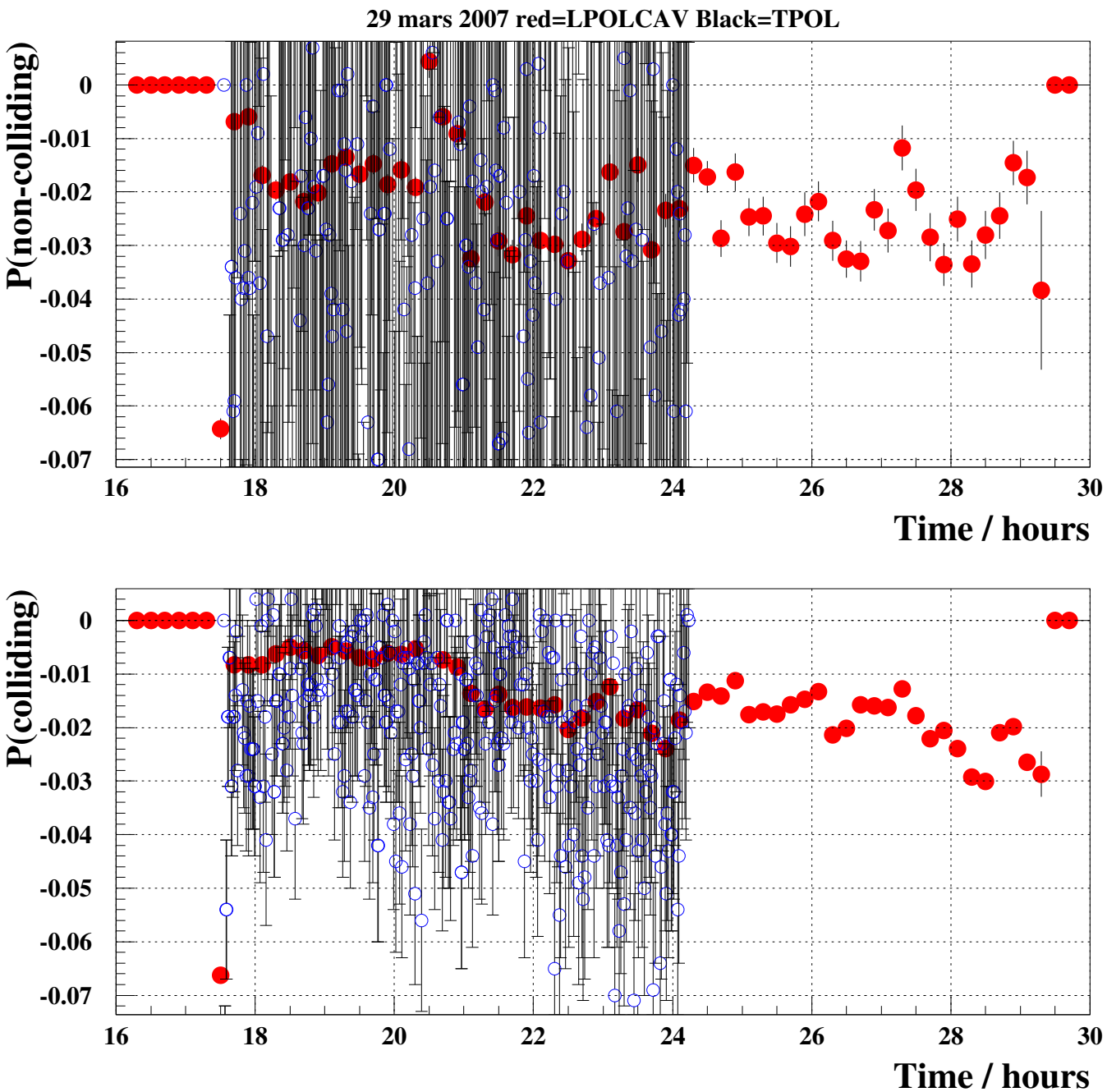
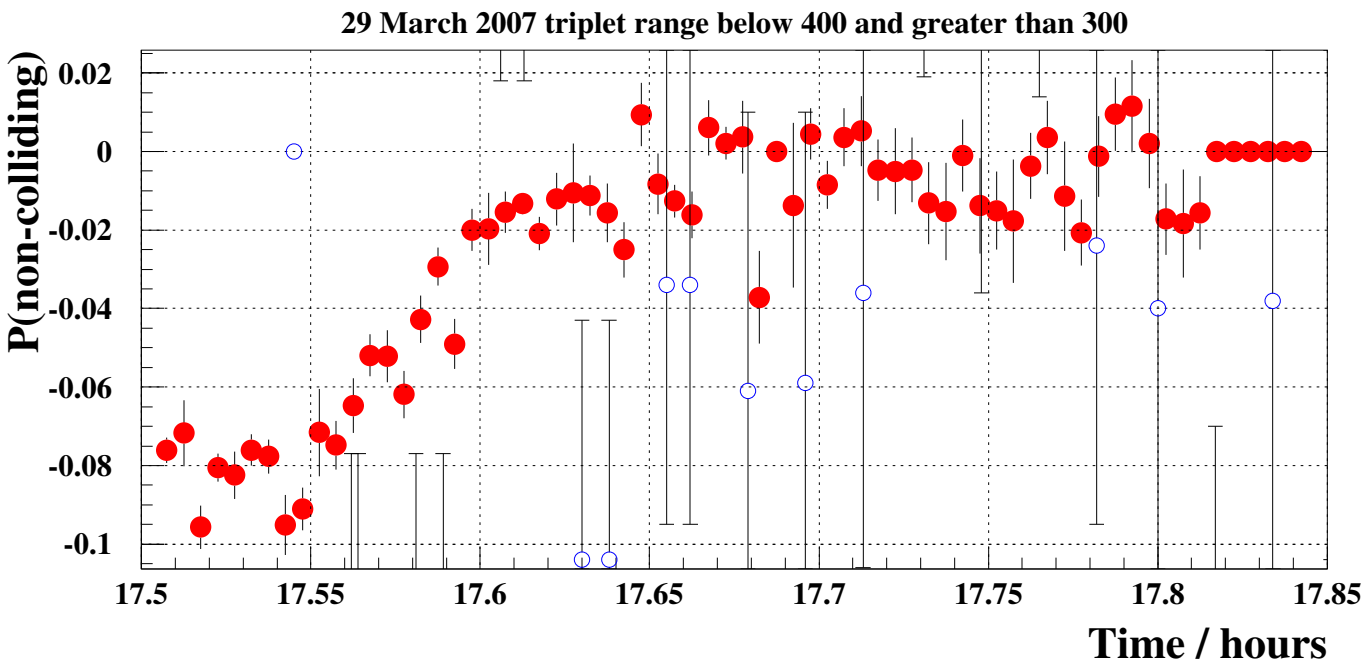
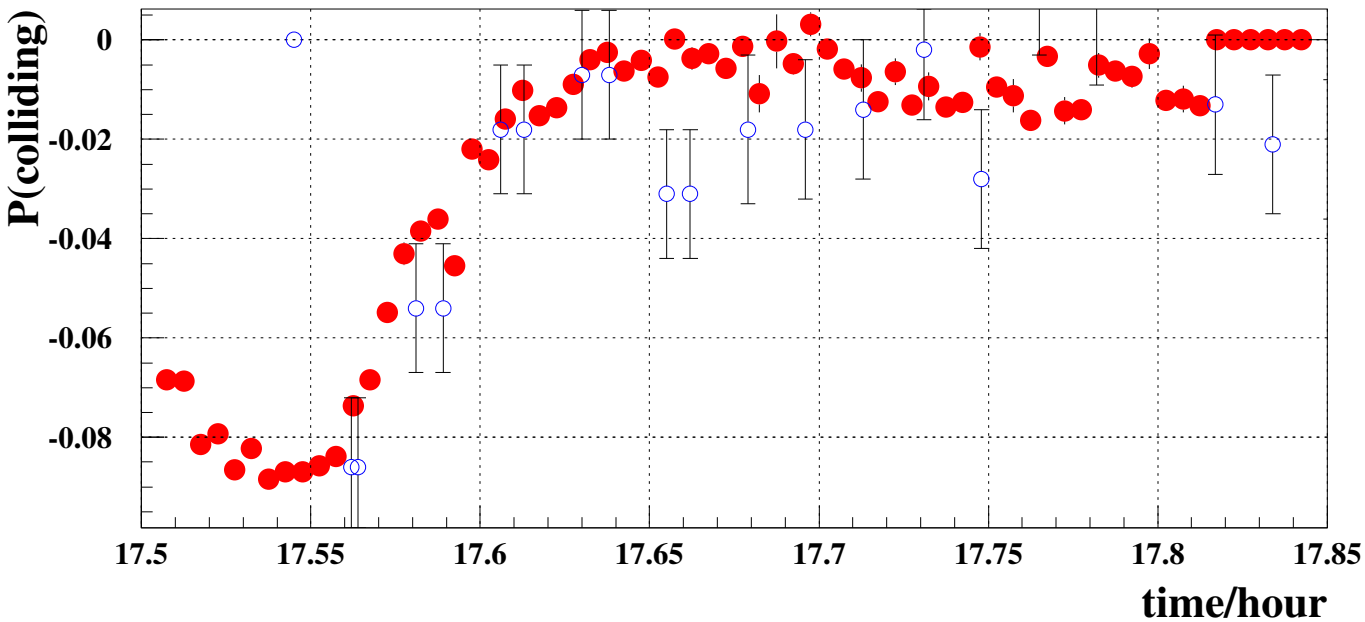
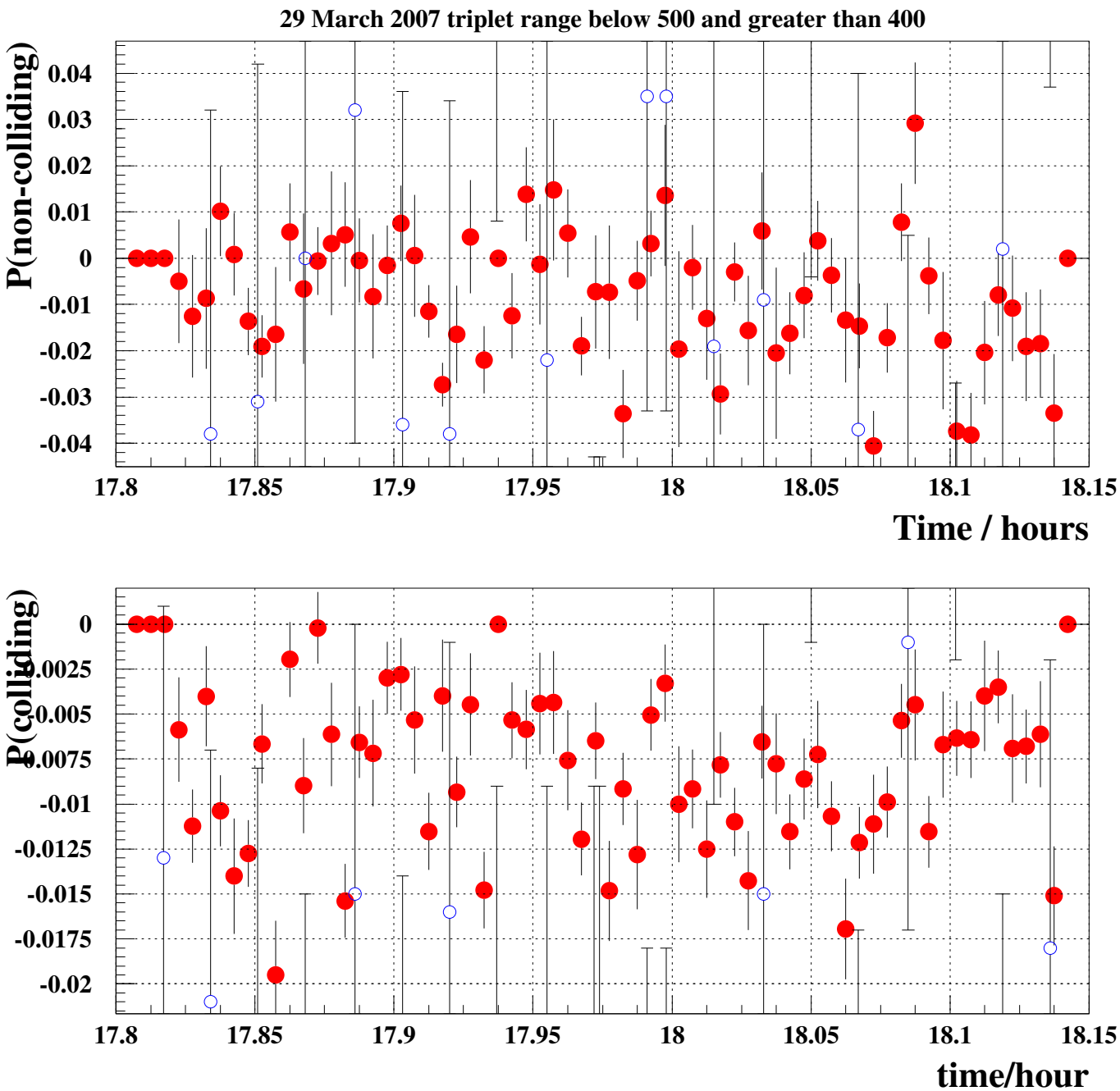
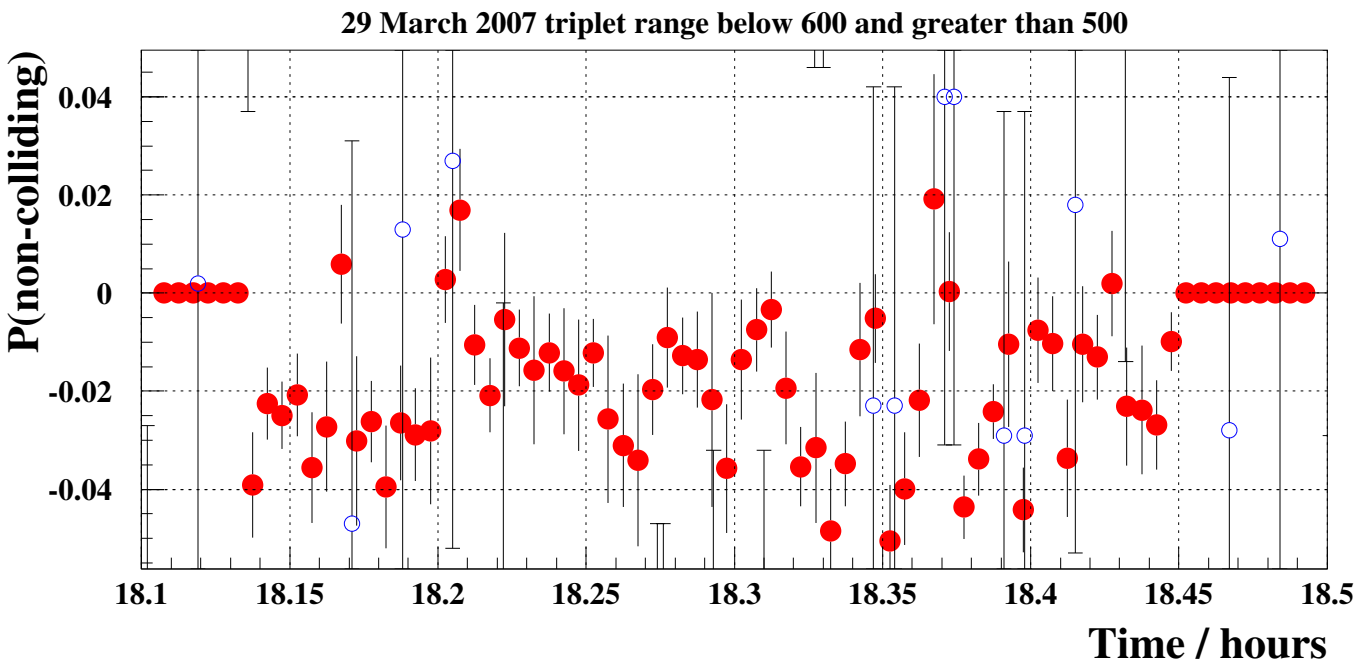
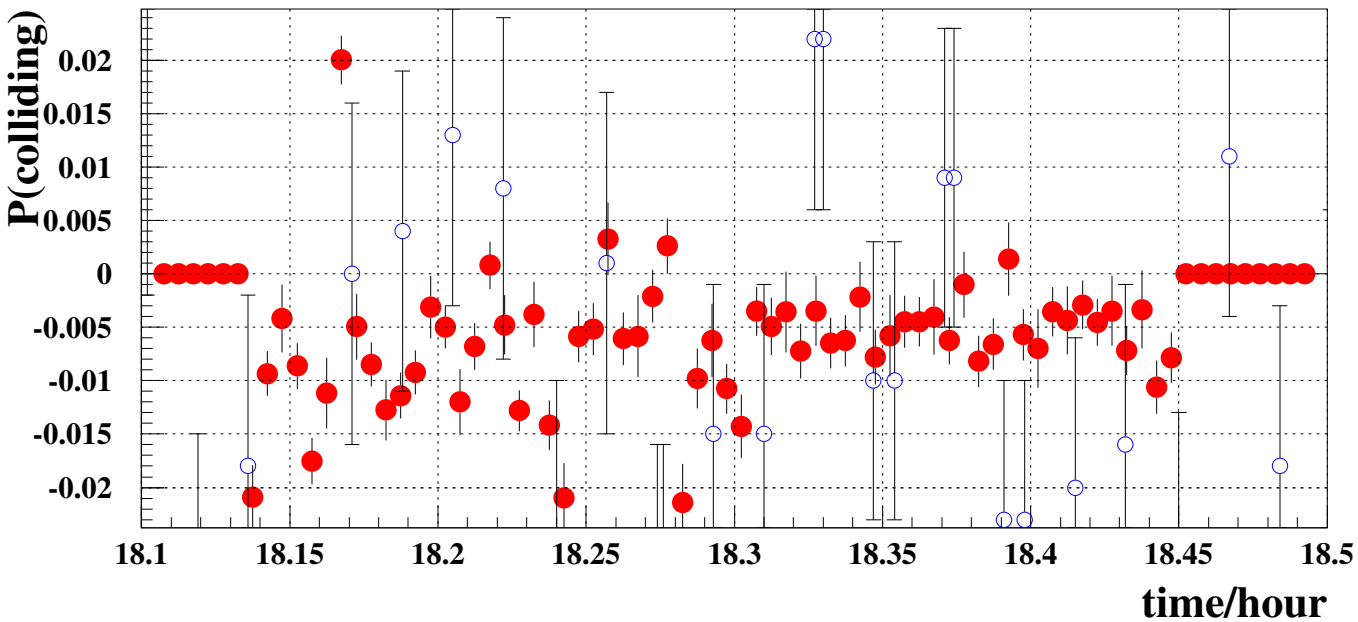

29 mars 2007 red=LPOLCAV Black=TPOL
P(non-colliding)
0
-0.01
-0.02
-0.03
-0.04
-0.05
-0.06
-0.07
16
18
20
22
24
26
28
30
Time / hours
P(colliding)
0
-0.01
-0.02
-0.03
-0.04
-0.05
-0.06
-0.07
16
18
20
22
24
26
28
30
Time / hours

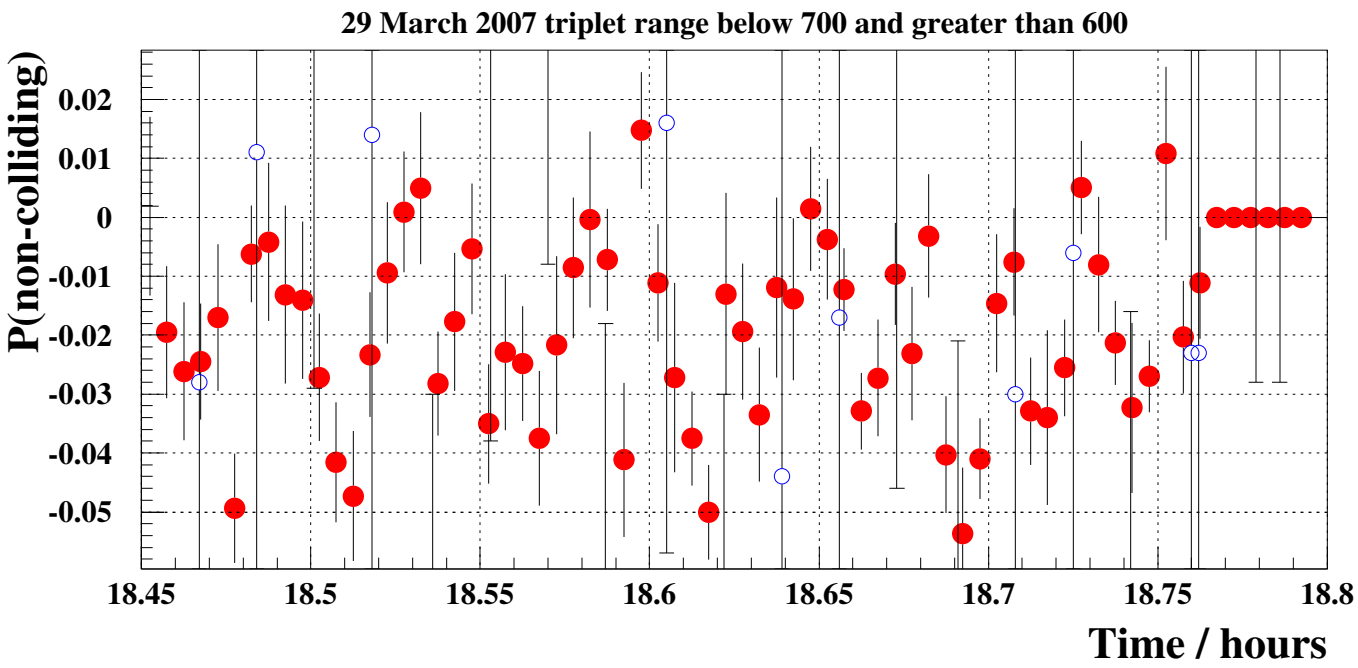

29 March 2007 triplet range below 400 and greater than 300
P(non-colliding)
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
17.5
17.55
17.6
17.65
17.7
17.75
17.8
17.85
Time / hours

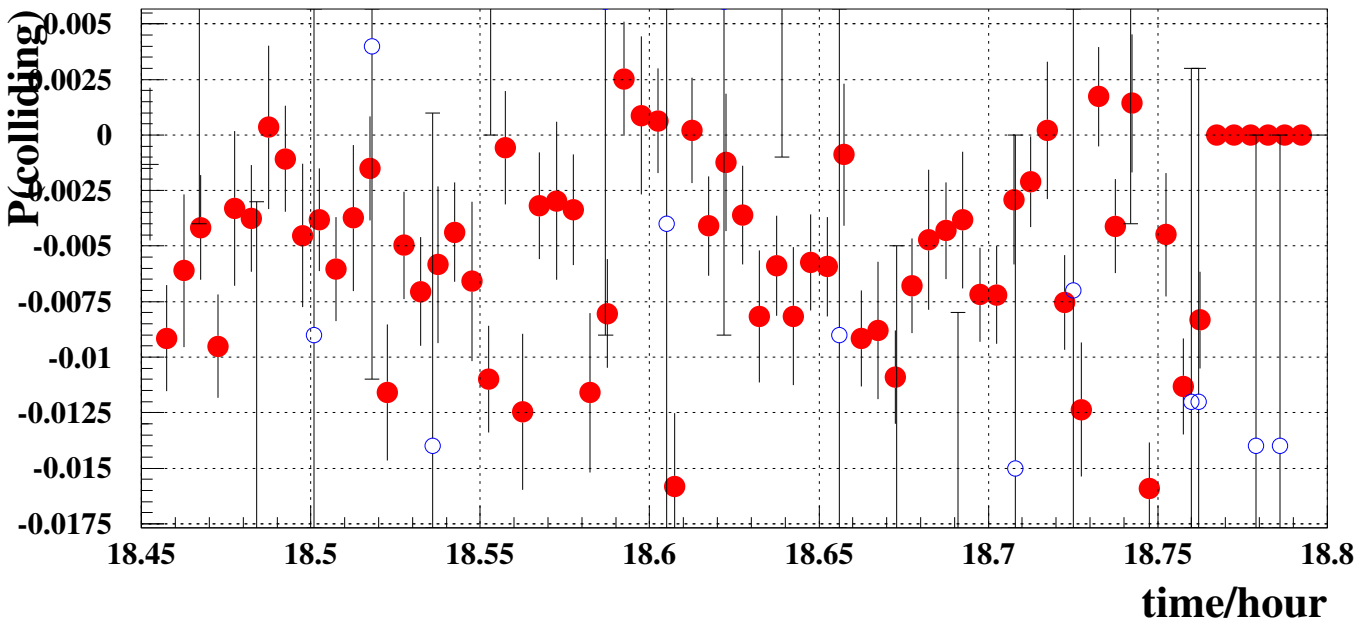

P(colliding)
0
-0.02
-0.04
-0.06
-0.08
17.5
17.55
17.6
17.65
17.7
17.75
17.8
17.85
time/hour

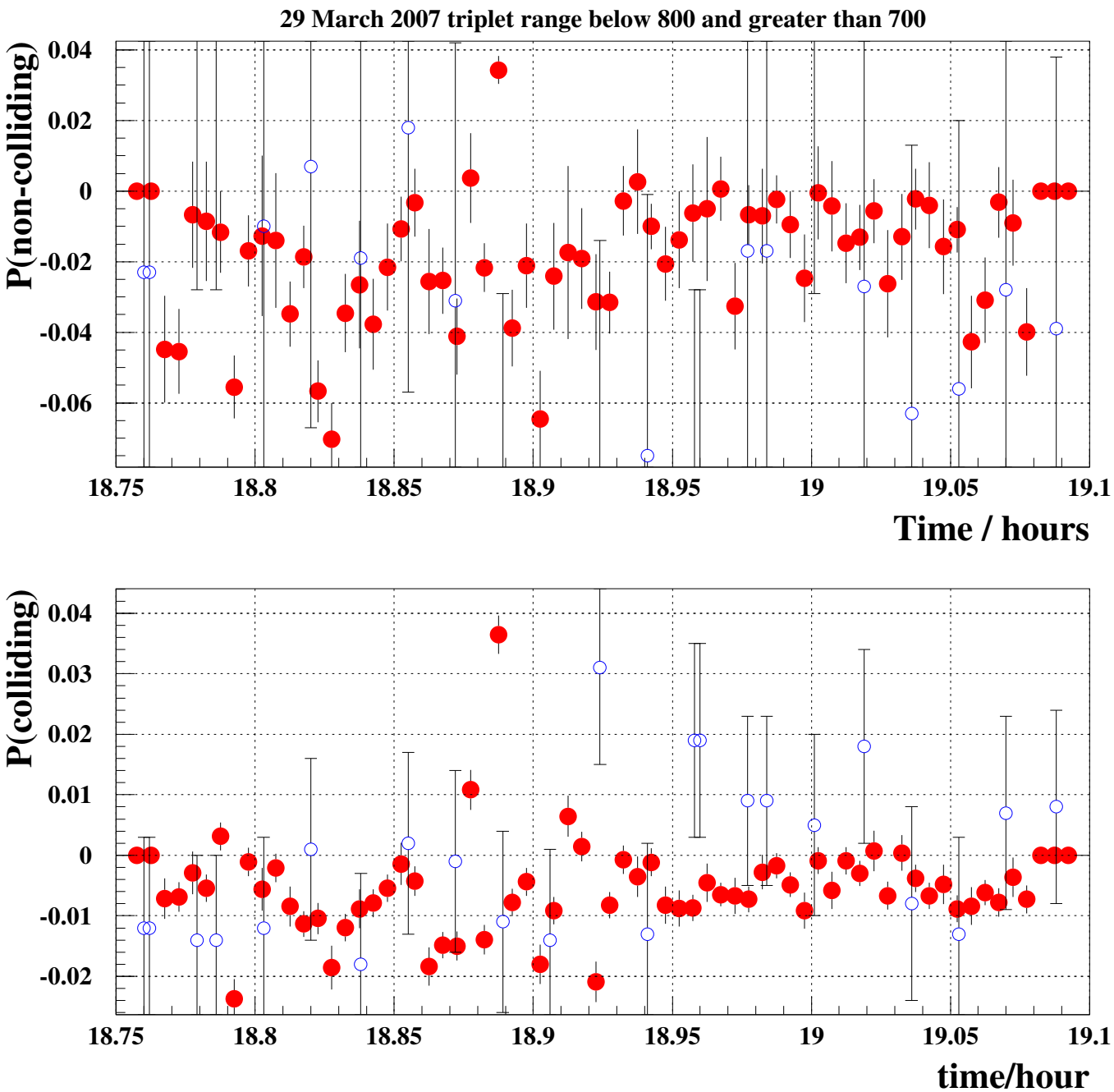

29 March 2007 triplet range below 500 and greater than 400
P(non-colliding)
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
17.8
17.85
17.9
17.95
18
18.05
18.1
18.15
Time / hours
P(colliding)
0
-0.0025
-0.005
-0.0075
-0.01
-0.0125
-0.015
-0.0175
-0.02
17.8
17.85
17.9
17.95
18
18.05
18.1
18.15
time/hour

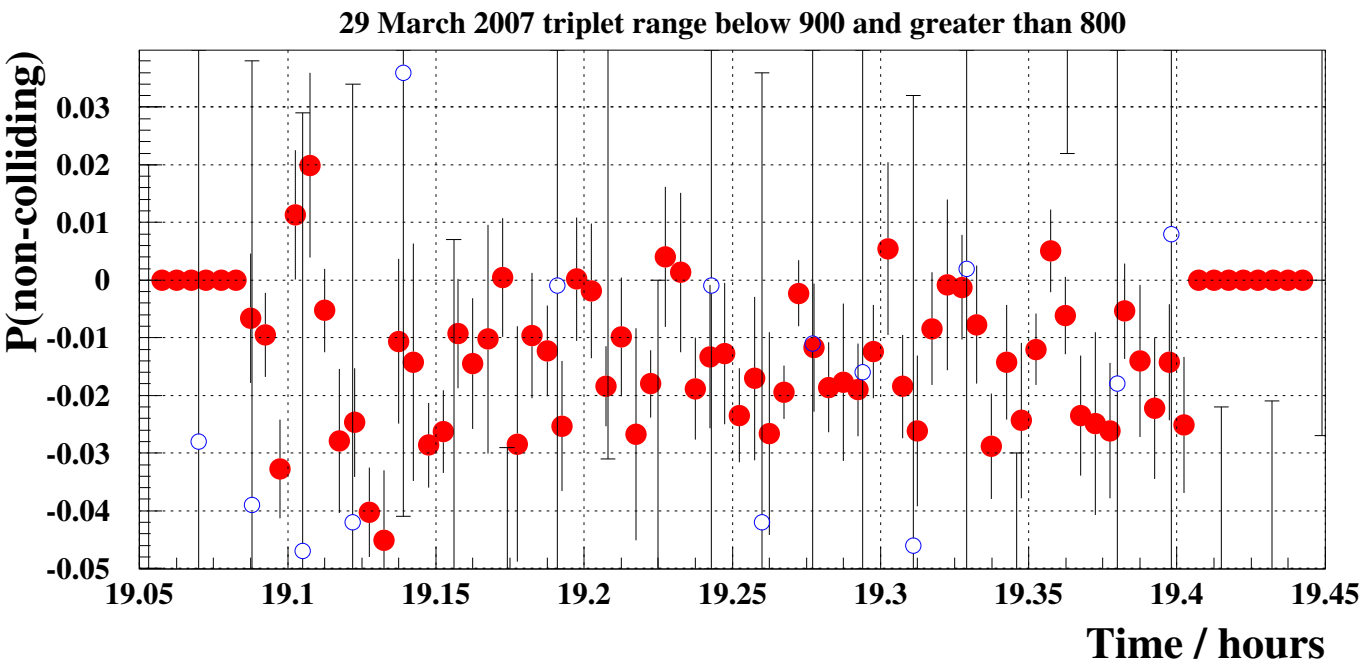

29 March 2007 triplet range below 600 and greater than 500
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
18.1
18.15
18.2
18.25
18.3
18.35
18.4
18.45
18.5
Time / hours

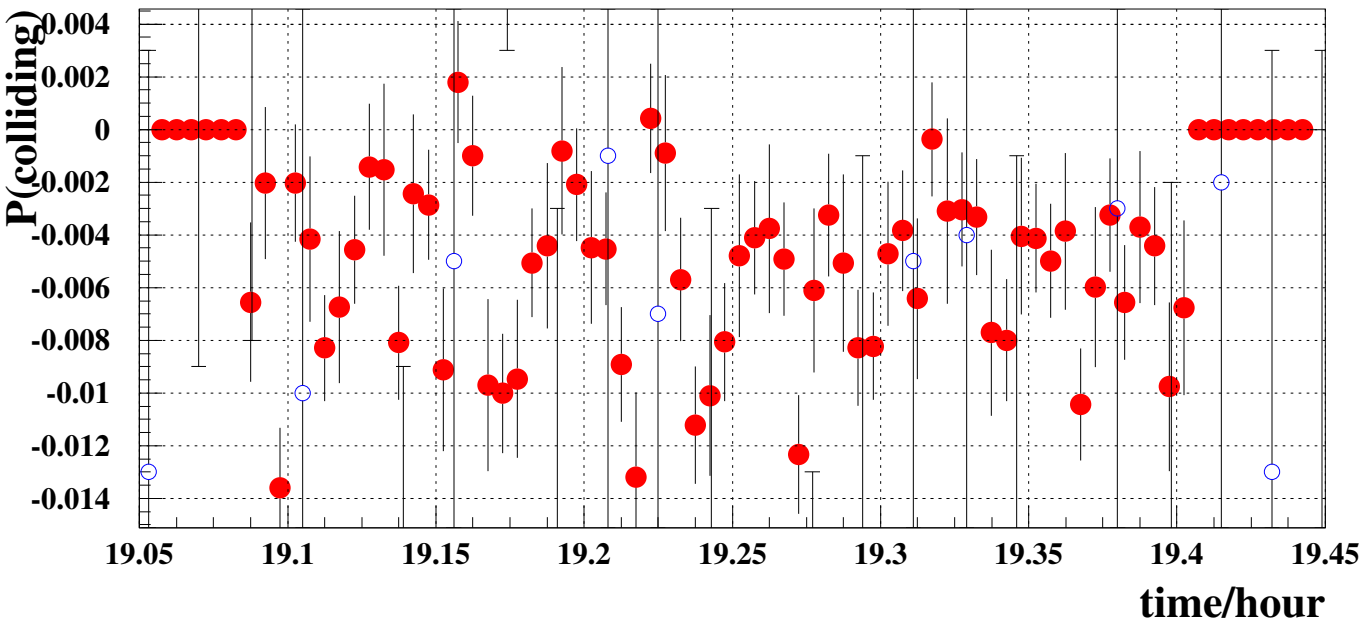

P(colliding)
0.02
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
18.1
18.15
18.2
18.25
18.3
18.35
18.4
18.45
18.5
time/hour

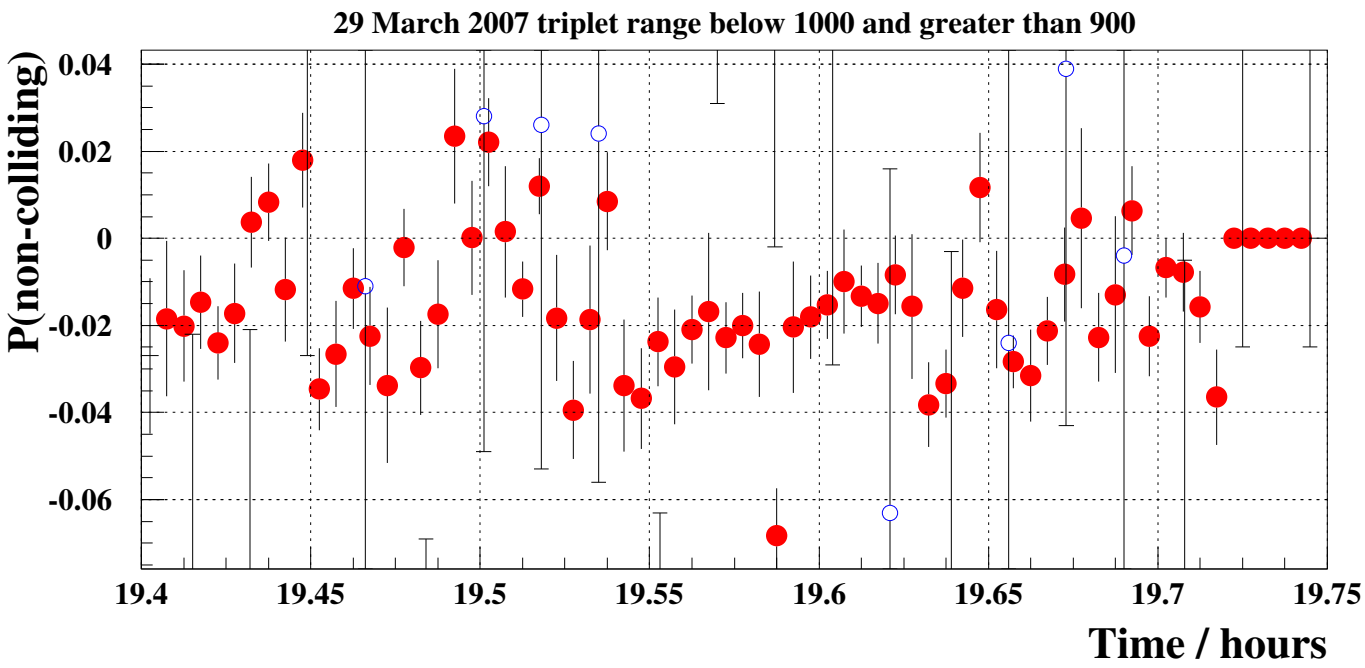

29 March 2007 triplet range below 700 and greater than 600
P(non-colliding)
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
18.45
18.5
18.55
18.6
18.65
18.7
18.75
18.8
Time / hours

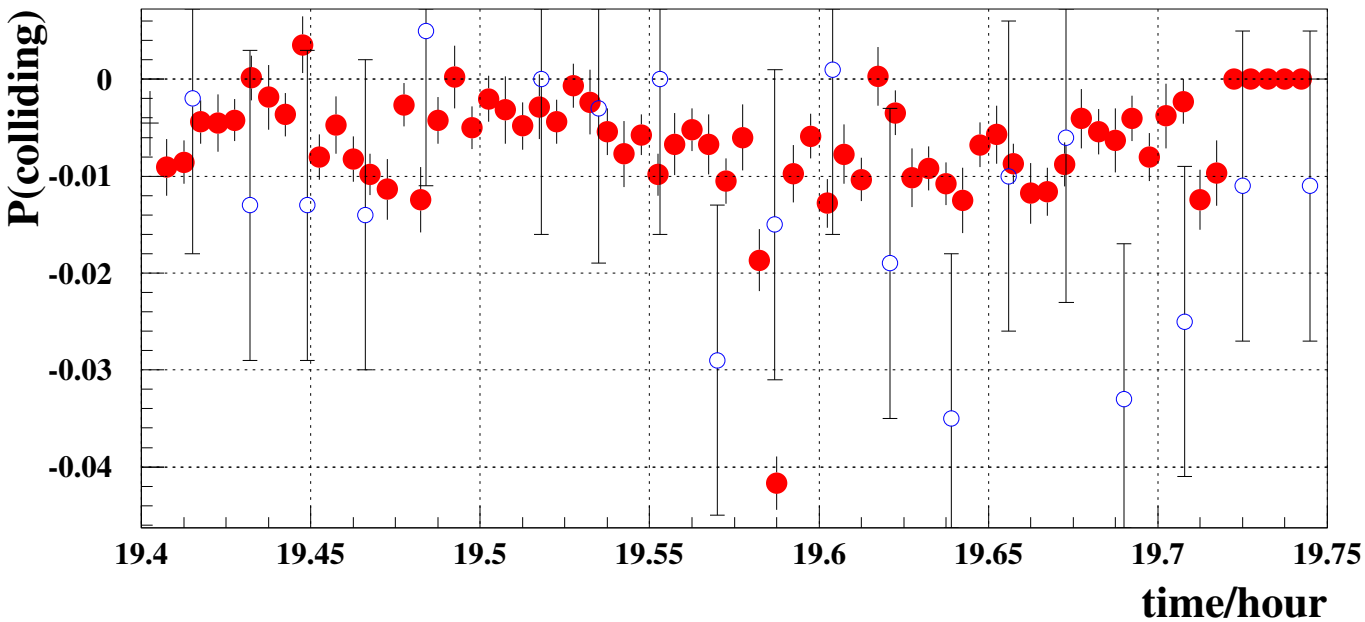

P(colliding)
0.005
0.0025
0
-0.0025
-0.005
-0.0075
-0.01
-0.0125
-0.015
-0.0175
18.45
18.5
18.55
18.6
18.65
18.7
18.75
18.8
time/hour

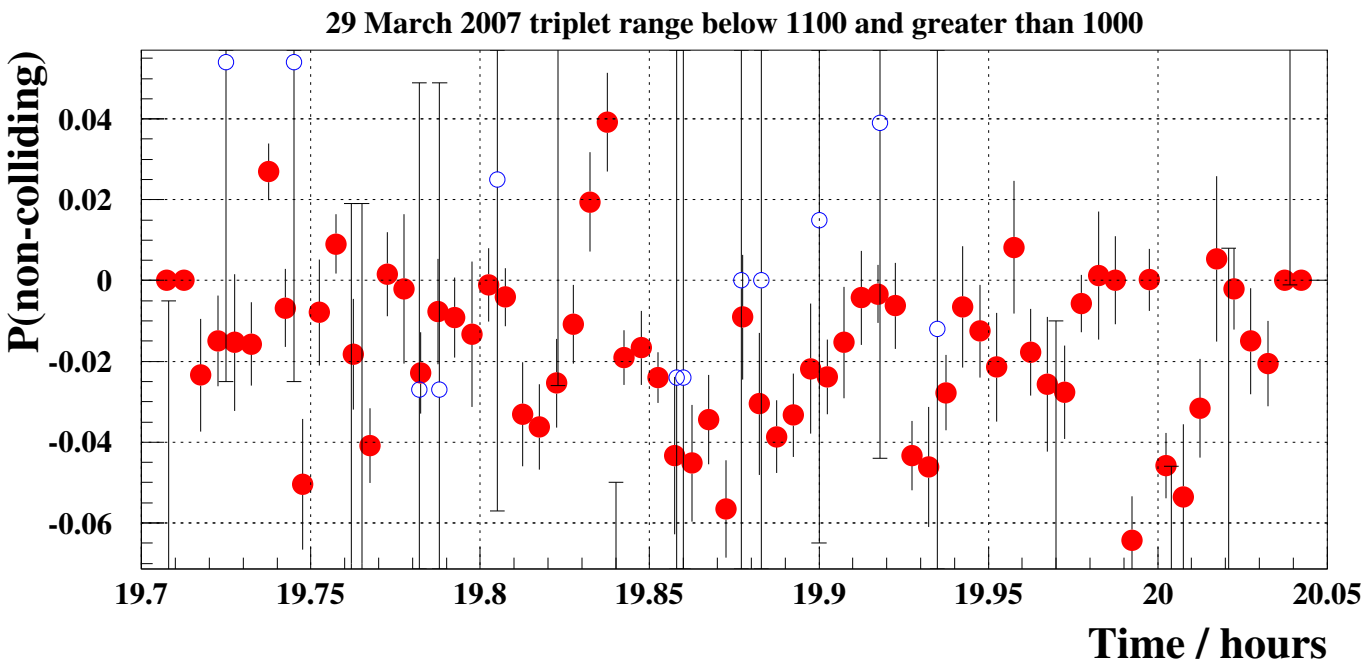

29 March 2007 triplet range below 800 and greater than 700
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
-0.06
18.75
18.8
18.85
18.9
18.95
19
19.05
19.1
Time / hours
P(colliding)
0.04
0.03
0.02
0.01
0
-0.01
-0.02
18.75
18.8
18.85
18.9
18.95
19
19.05
19.1
time/hour

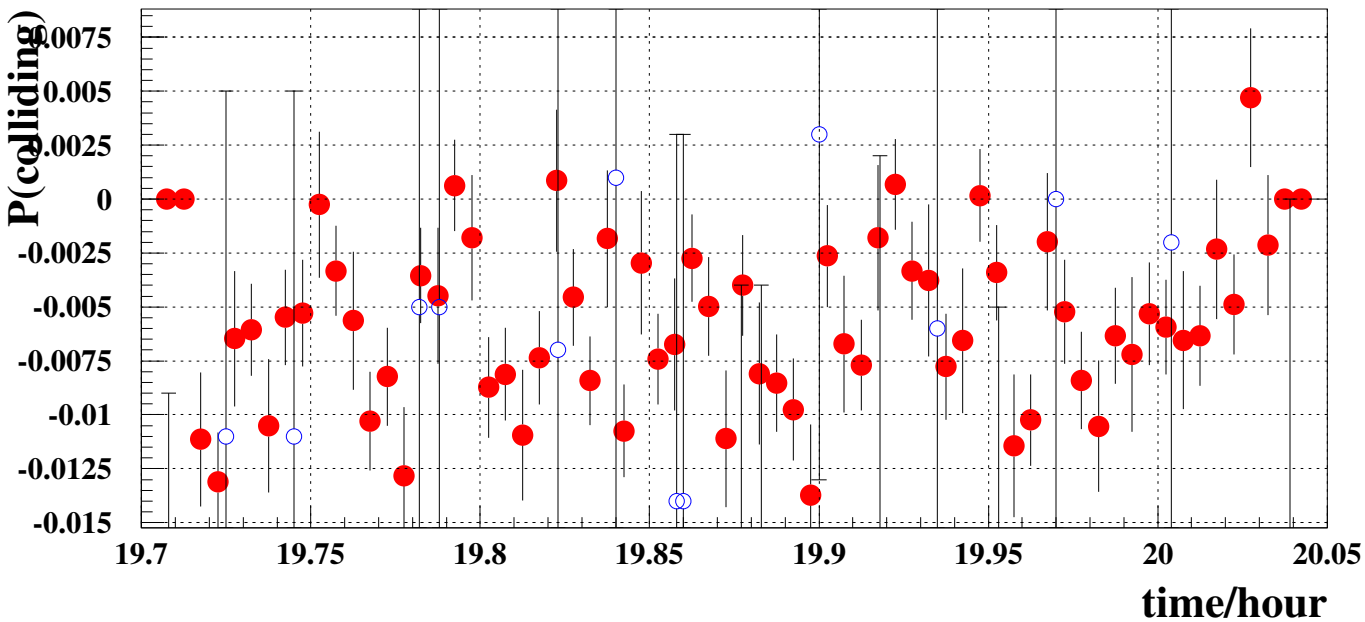

29 March 2007 triplet range below 900 and greater than 800
P(non-colliding)
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
19.05
19.1
19.15
19.2
19.25
19.3
19.35
19.4
19.45
Time / hours

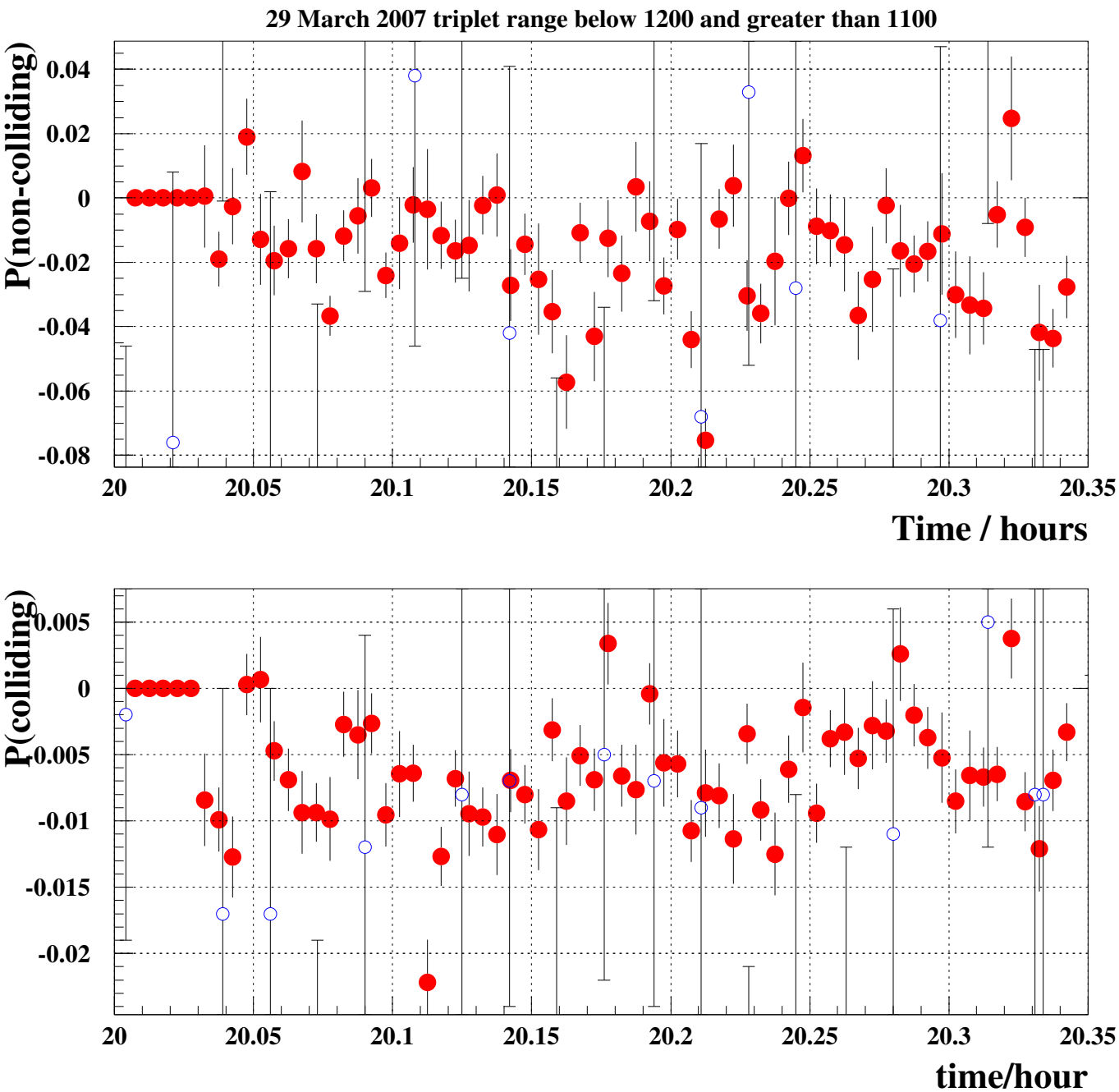

P(colliding)
0.004
0.002
0
-0.002
-0.004
-0.006
-0.008
-0.01
-0.012
-0.014
19.05
19.1
19.15
19.2
19.25
19.3
19.35
19.4
19.45
time/hour

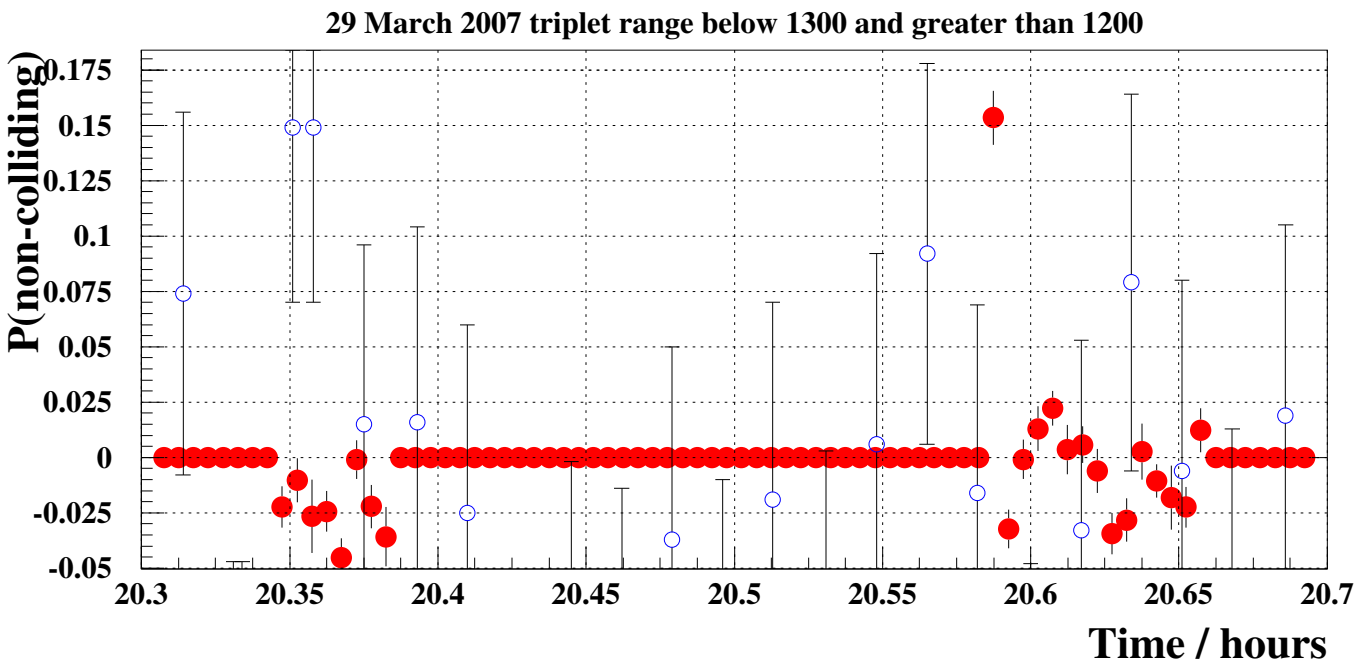

29 March 2007 triplet range below 1000 and greater than 900
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
-0.06
19.4
19.45
19.5
19.55
19.6
19.65
19.7
19.75
Time / hours

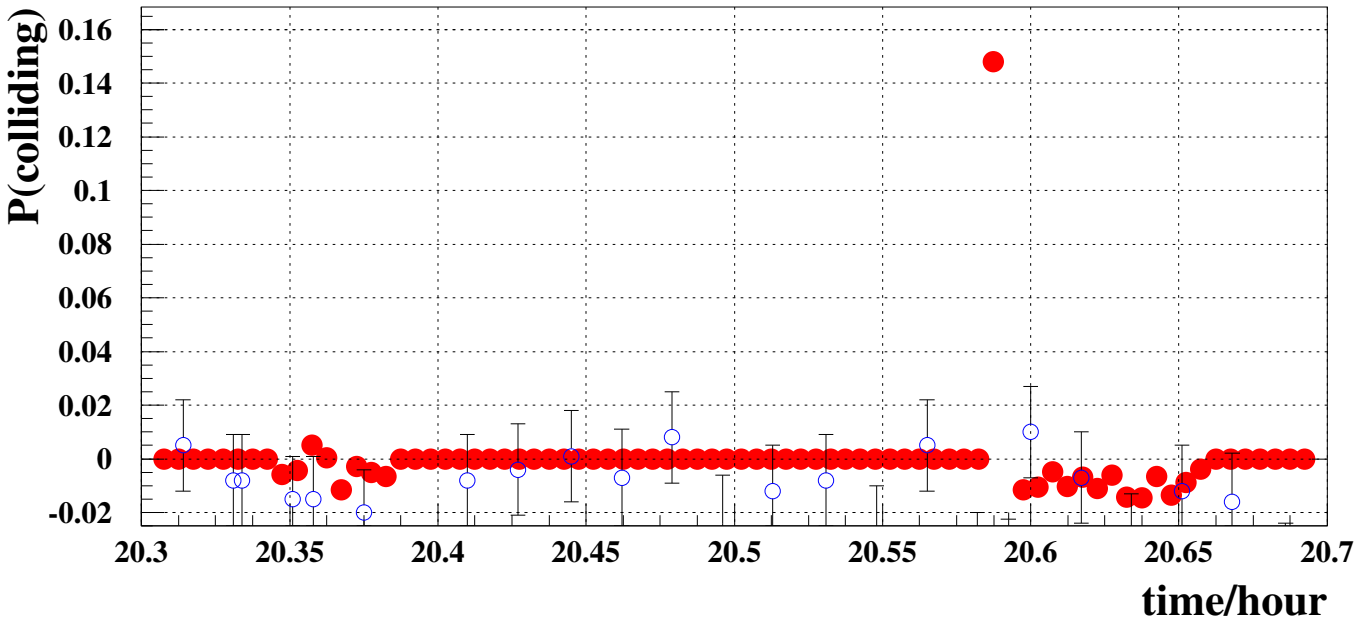

P(colliding)
0
-0.01
-0.02
-0.03
-0.04
19.4
19.45
19.5
19.55
19.6
19.65
19.7
19.75
time/hour

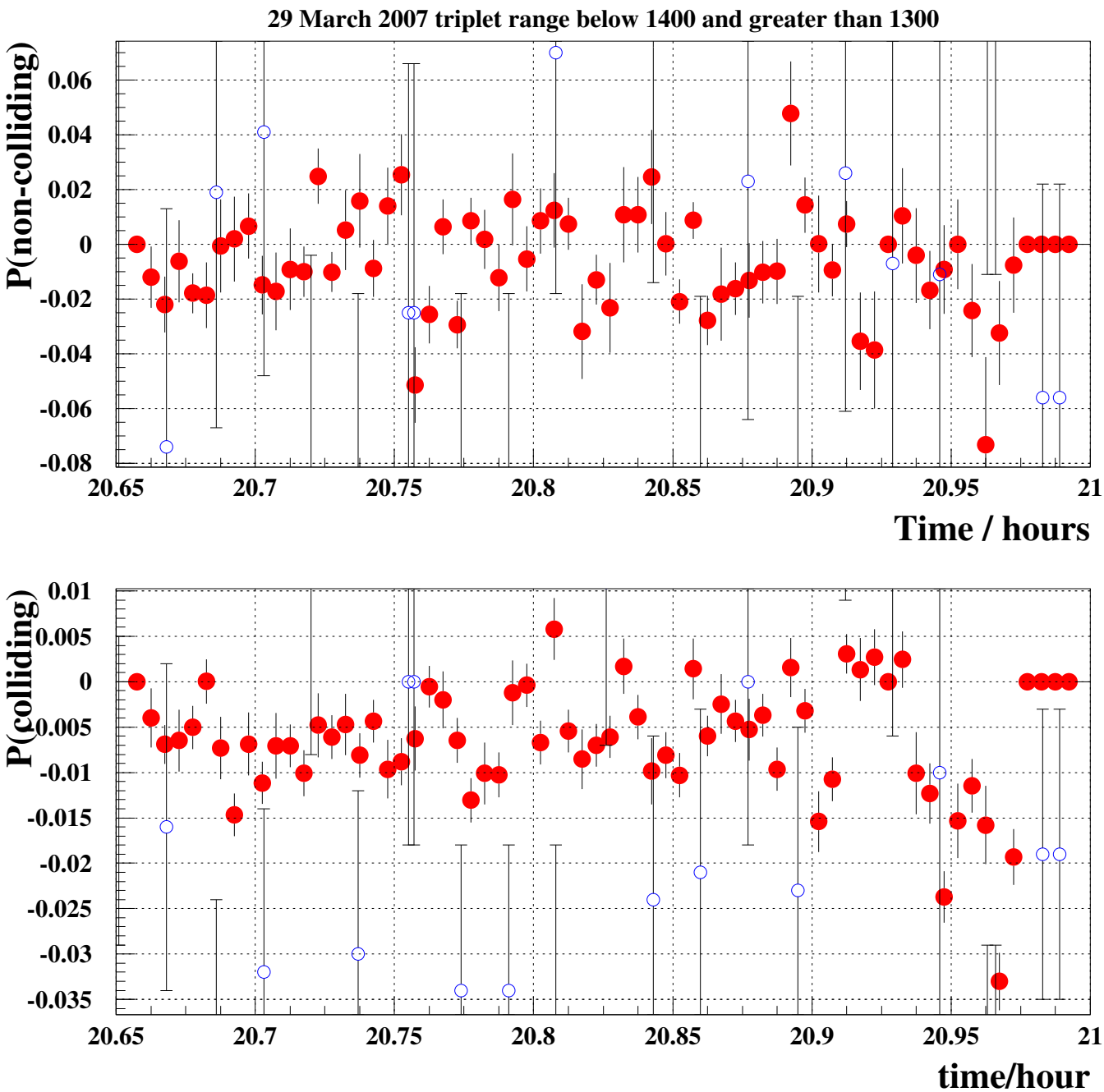

29 March 2007 triplet range below 1100 and greater than 1000
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
-0.06
19.7
19.75
19.8
19.85
19.9
19.95
20
20.05
Time / hours

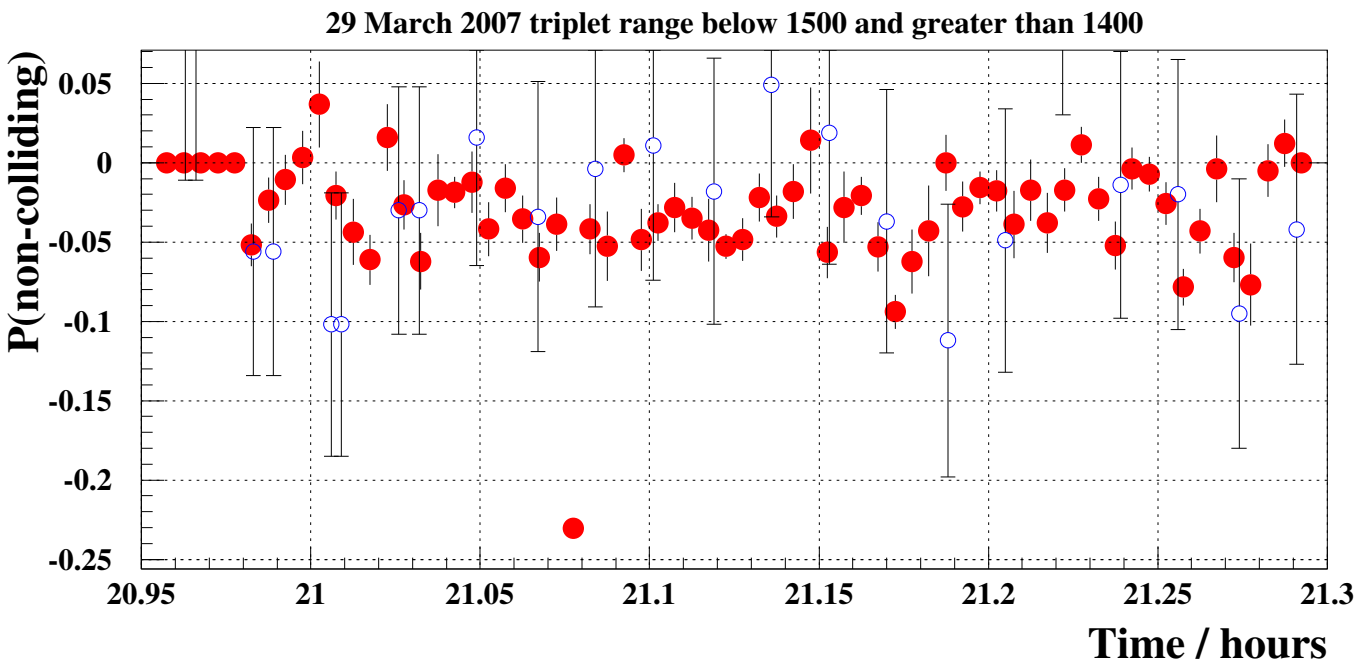

P(colliding)
0.0075
0.005
0.0025
0
-0.0025
-0.005
-0.0075
-0.01
-0.0125
-0.015
19.7
19.75
19.8
19.85
19.9
19.95
20
20.05
time/hour

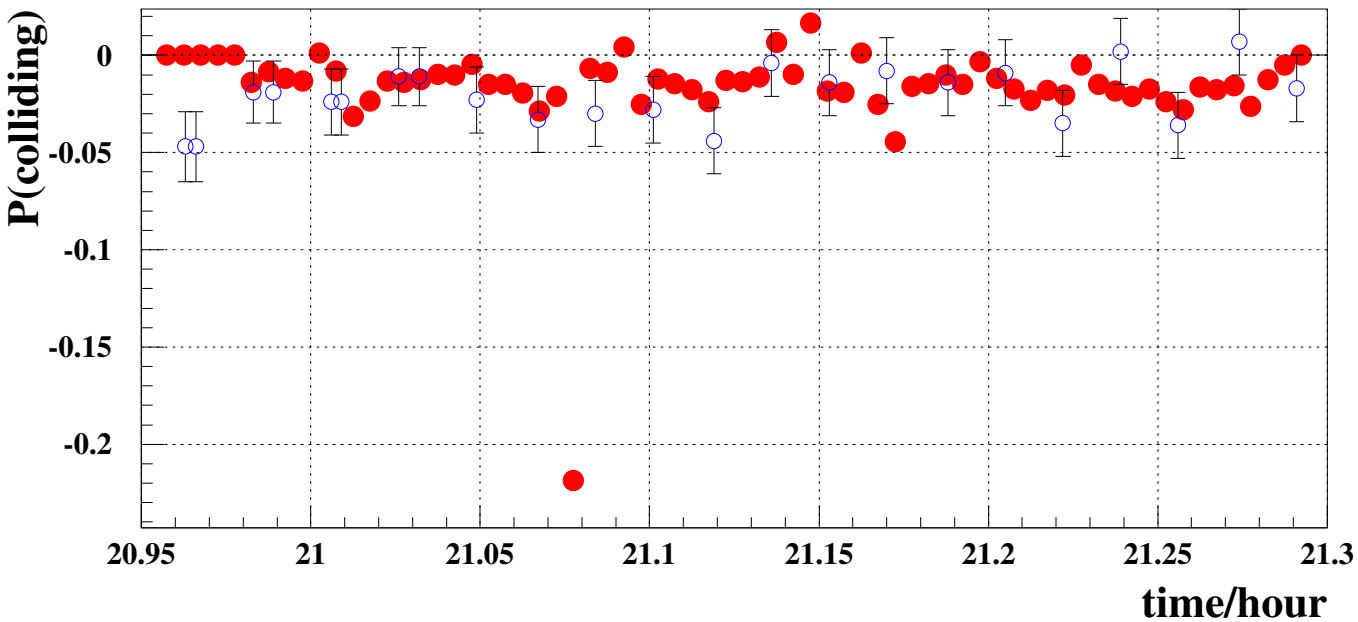

29 March 2007 triplet range below 1200 and greater than 1100
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
20
20.05
20.1
20.15
20.2
20.25
20.3
20.35
Time / hours
P(colliding)
0.005
0
-0.005
-0.01
-0.015
-0.02
20
20.05
20.1
20.15
20.2
20.25
20.3
20.35
time/hour

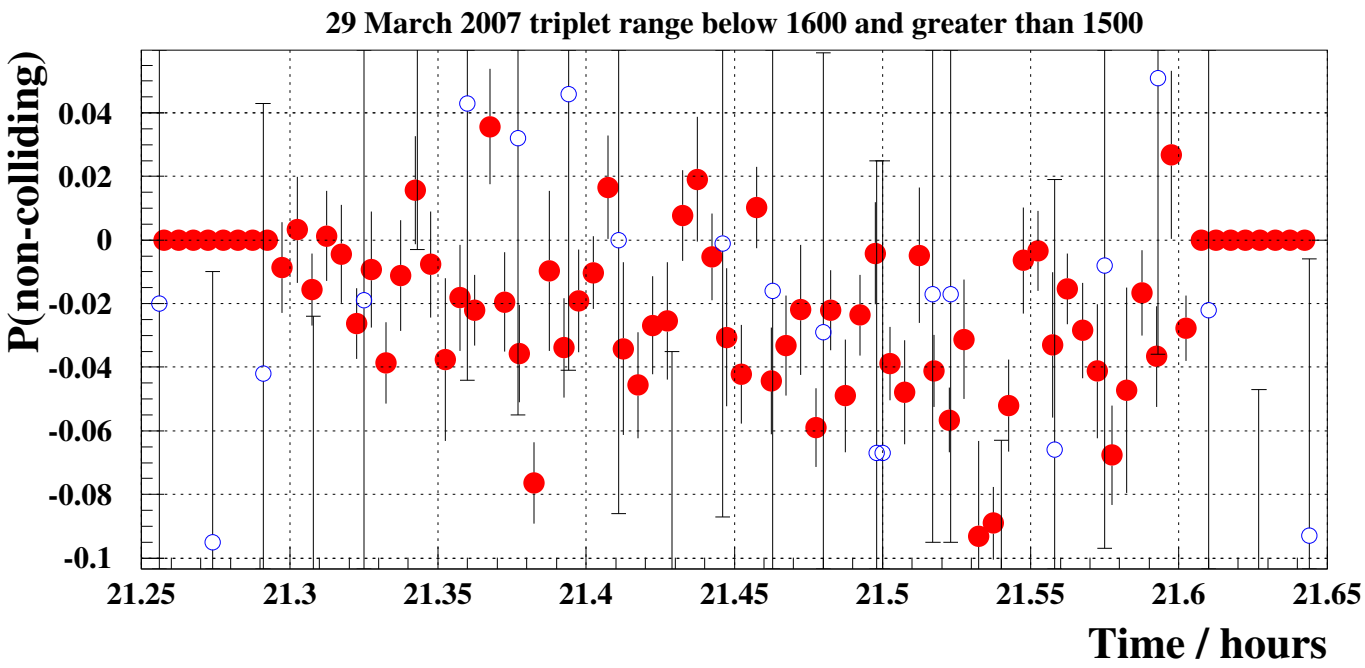

29 March 2007 triplet range below 1300 and greater than 1200
P(non-colliding)
0.175
0.15
0.125
0.1
0.075
0.05
0.025
0
-0.025
-0.05
20.3
20.35
20.4
20.45
20.5
20.55
20.6
20.65
20.7
Time / hours

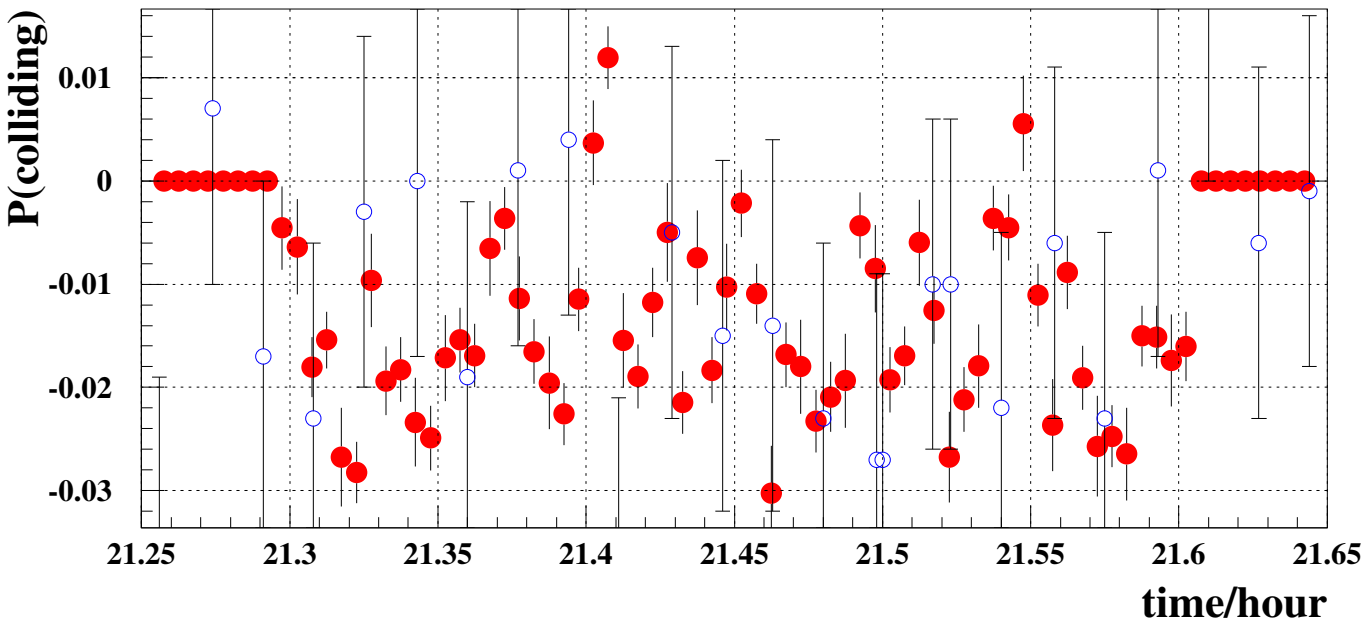

P(colliding)
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
-0.02
20.3
20.35
20.4
20.45
20.5
20.55
20.6
20.65
20.7
time/hour

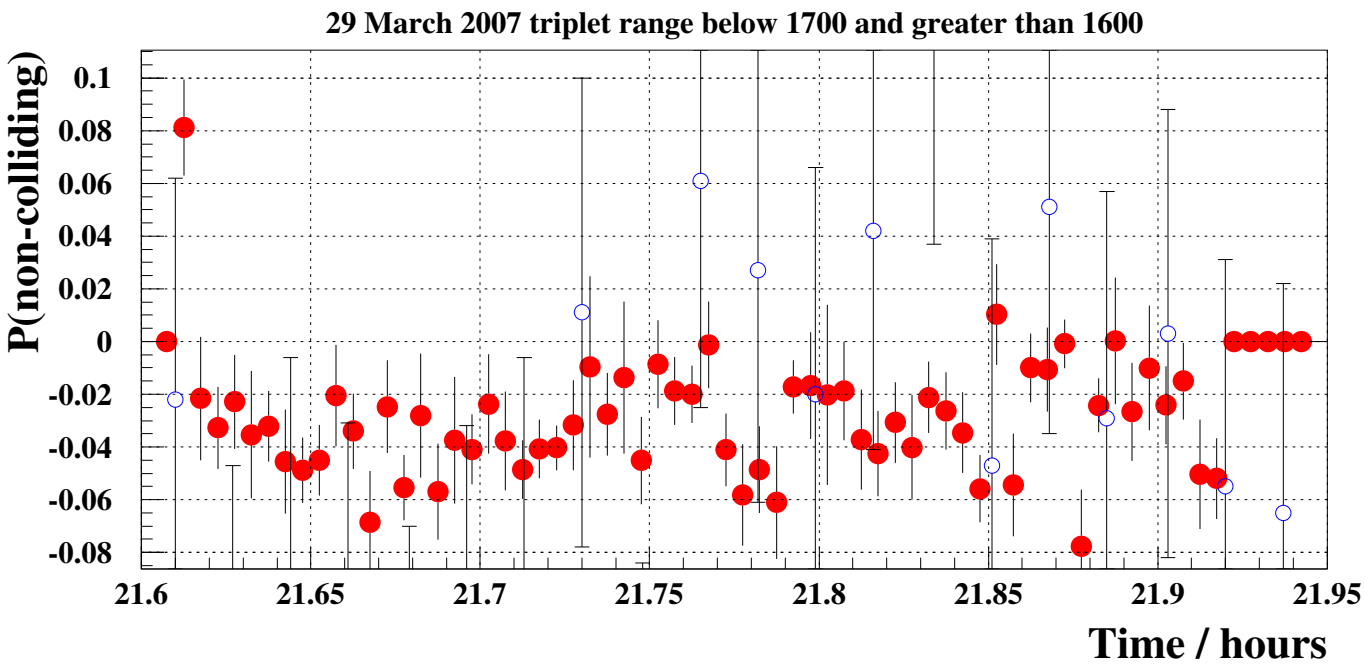

29 March 2007 triplet range below 1400 and greater than 1300
P(non-colliding)
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
20.65
20.7
20.75
20.8
20.85
20.9
20.95
21
Time / hours
P(colliding)
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
-0.025
-0.03
-0.035
20.65
20.7
20.75
20.8
20.85
20.9
20.95
21
time/hour

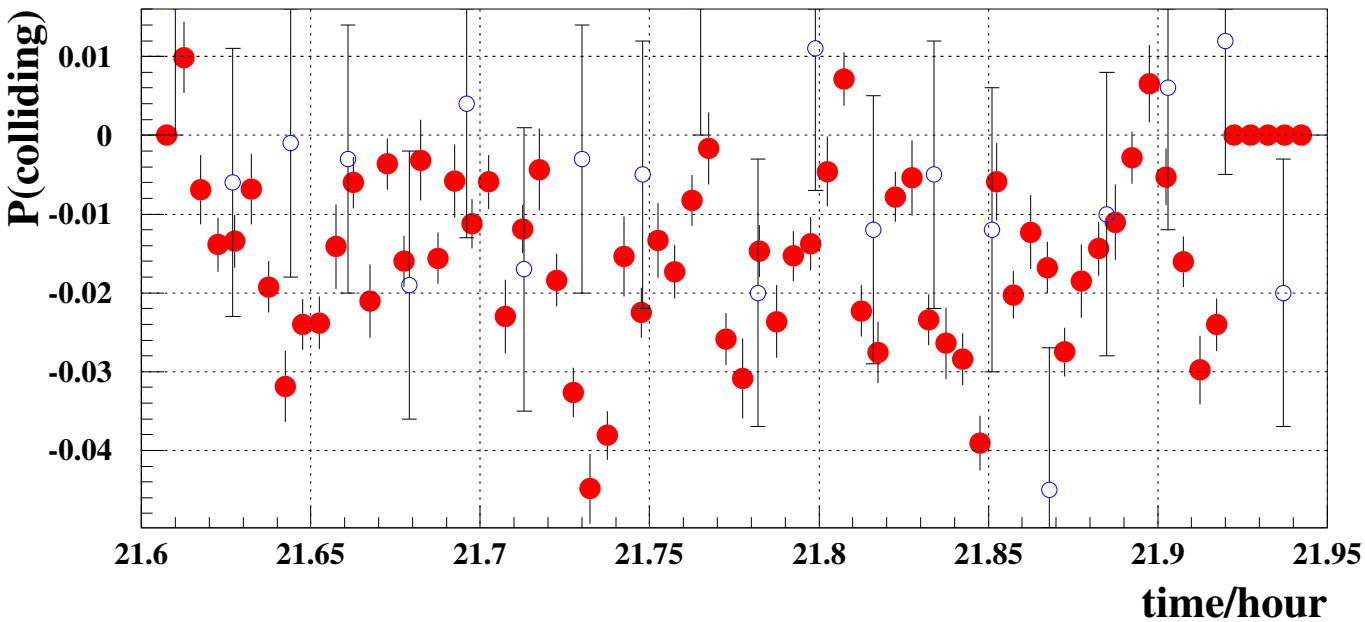

29 March 2007 triplet range below 1500 and greater than 1400
P(non-colliding)
0.05
0
-0.05
-0.1
-0.15
-0.2
-0.25
20.95
21
21.05
21.1
21.15
21.2
21.25
21.3
Time / hours

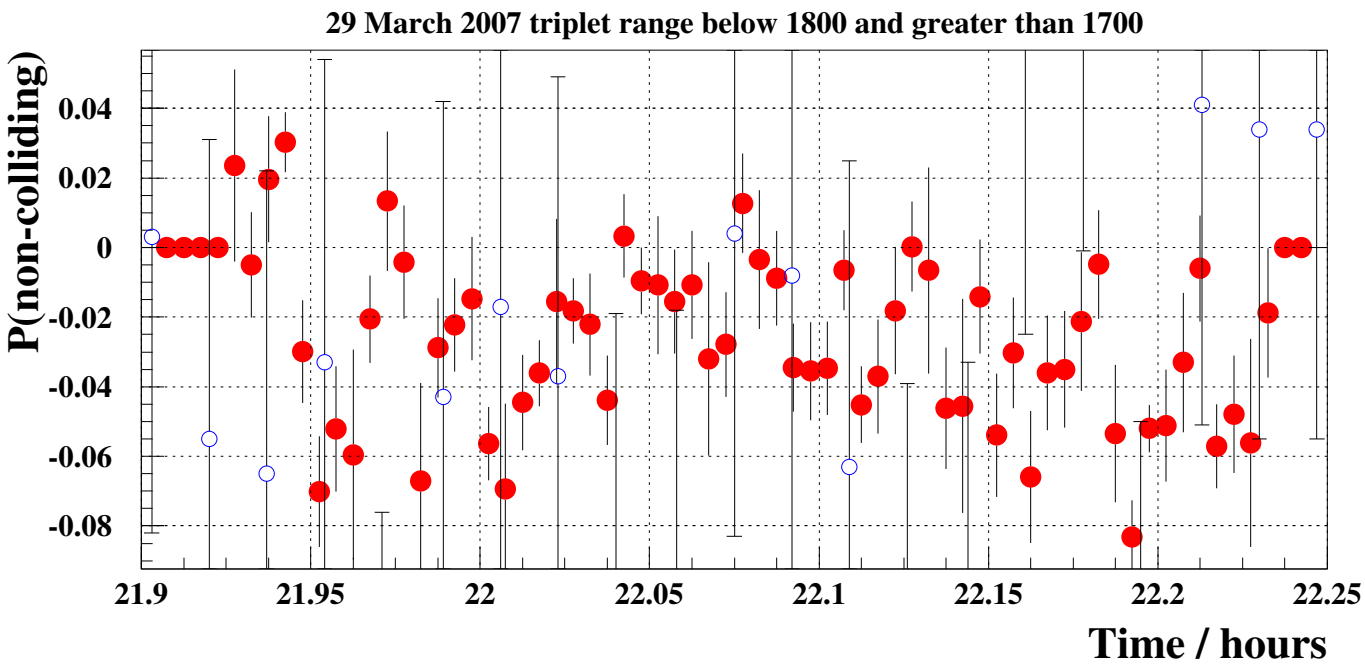

P(colliding)
0
-0.05
-0.1
-0.15
-0.2
20.95
21
21.05
21.1
21.15
21.2
21.25
21.3
time/hour

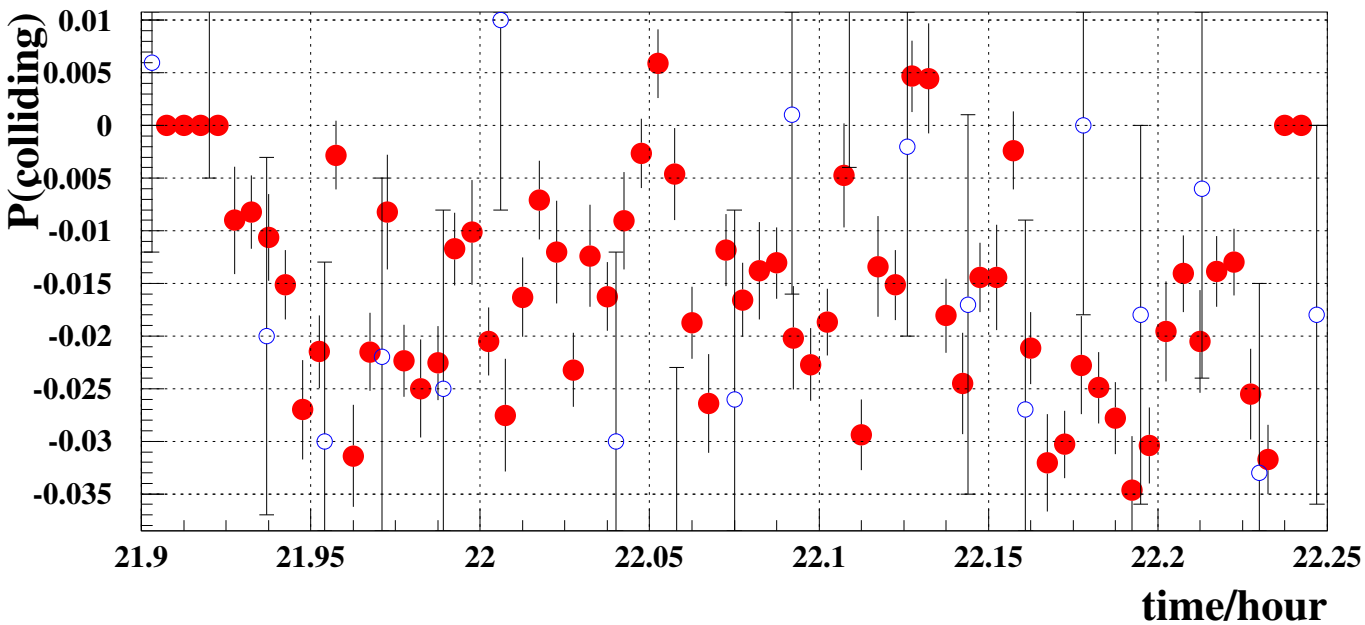

29 March 2007 triplet range below 1600 and greater than 1500
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
21.25
21.3
21.35
21.4
21.45
21.5
21.55
21.6
21.65
Time / hours

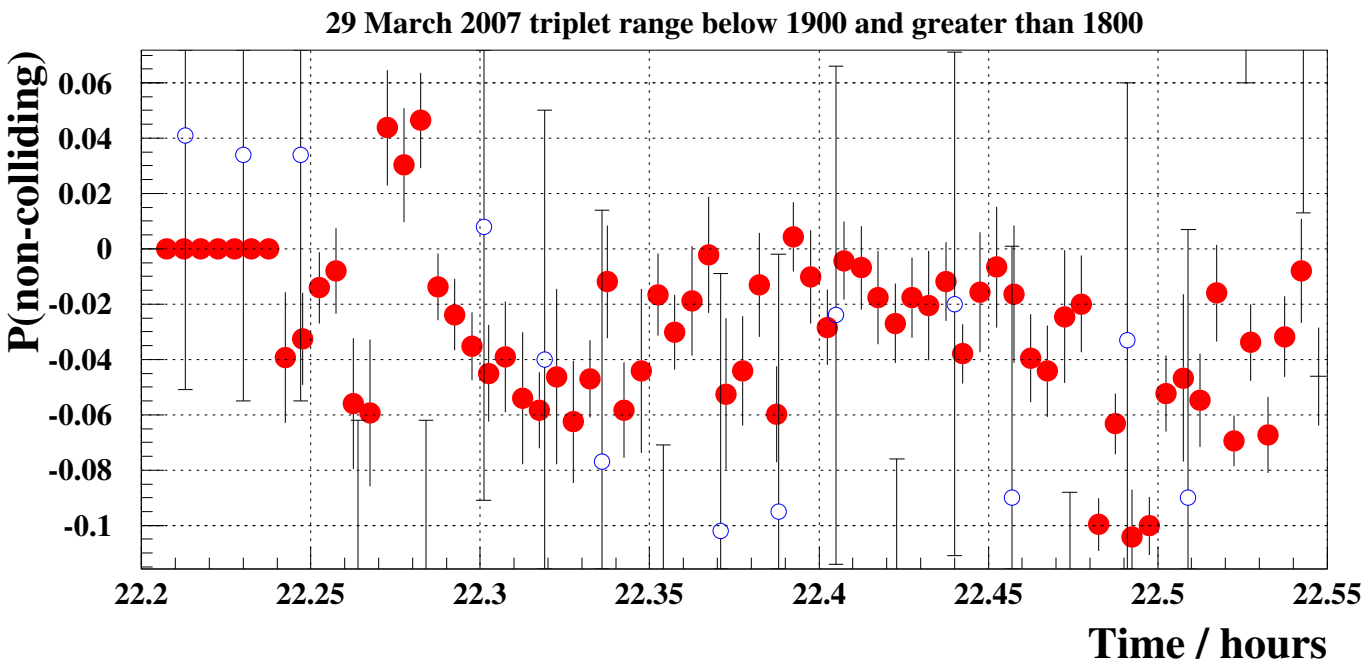

P(colliding)
0.01
0
-0.01
-0.02
-0.03
21.25
21.3
21.35
21.4
21.45
21.5
21.55
21.6
21.65
time/hour

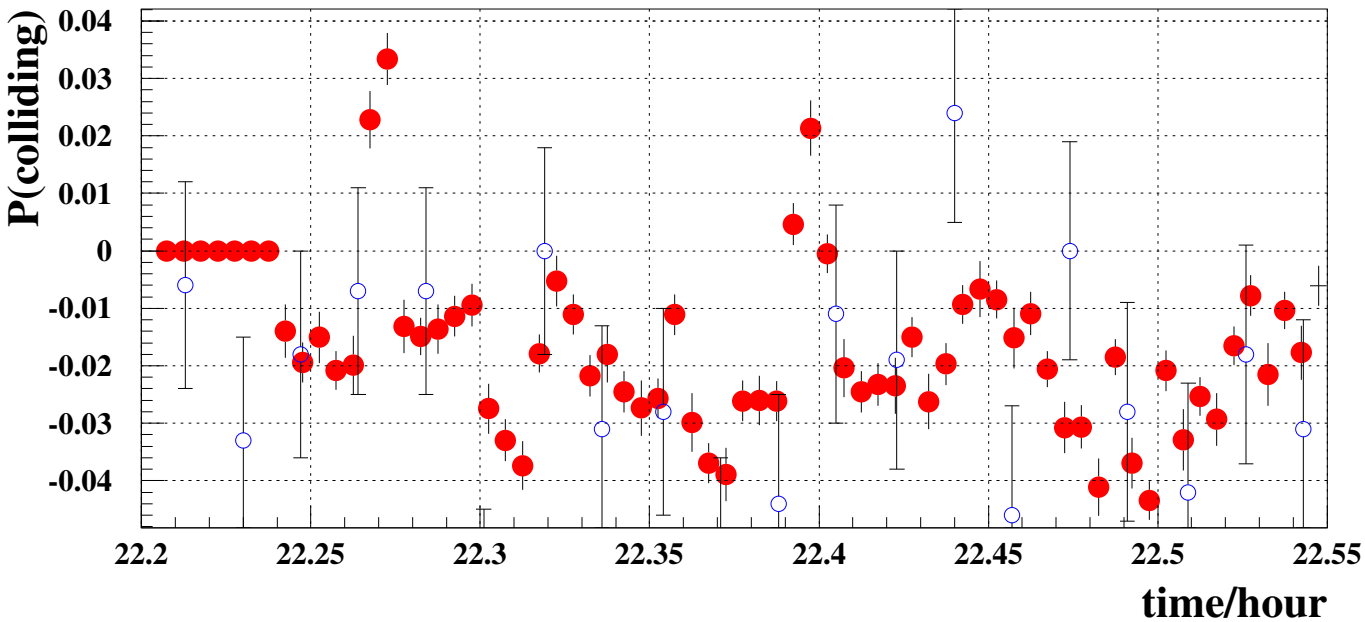

29 March 2007 triplet range below 1700 and greater than 1600
P(non-colliding)
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
21.6
21.65
21.7
21.75
21.8
21.85
21.9
21.95
Time / hours

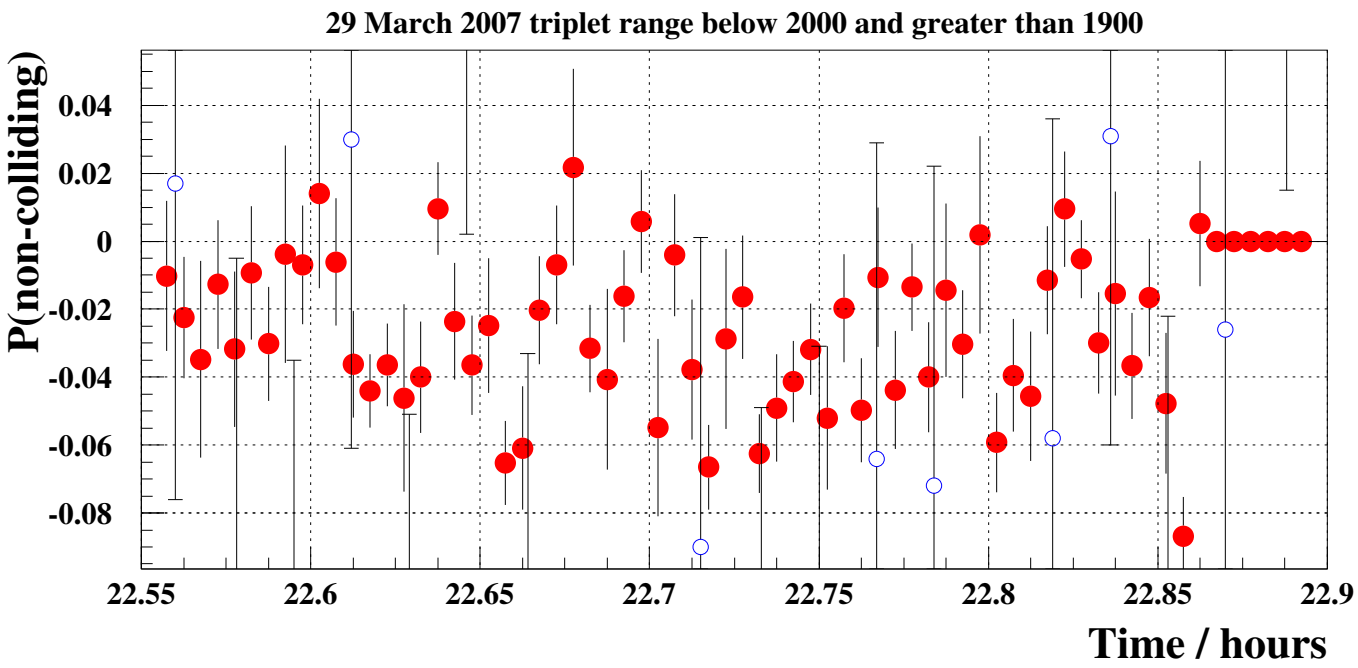

P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
21.6
21.65
21.7
21.75
21.8
21.85
21.9
21.95
time/hour

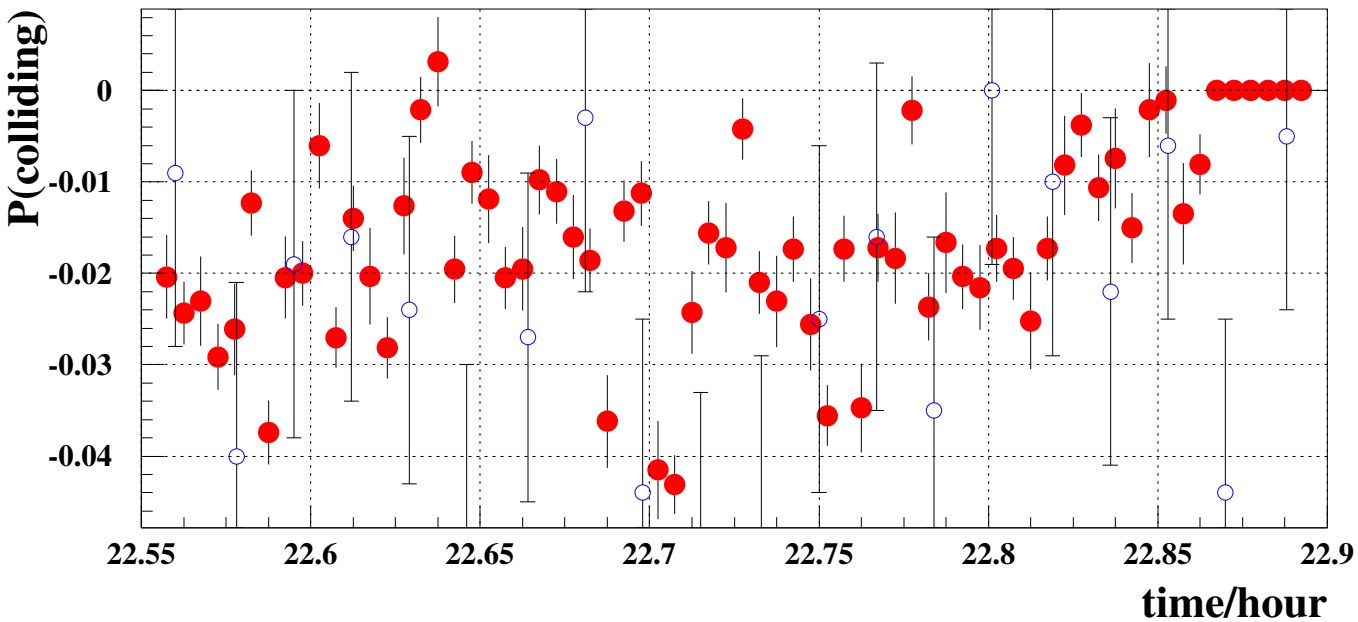

29 March 2007 triplet range below 1800 and greater than 1700
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
21.9
21.95
22
22.05
22.1
22.15
22.2
22.25
Time / hours

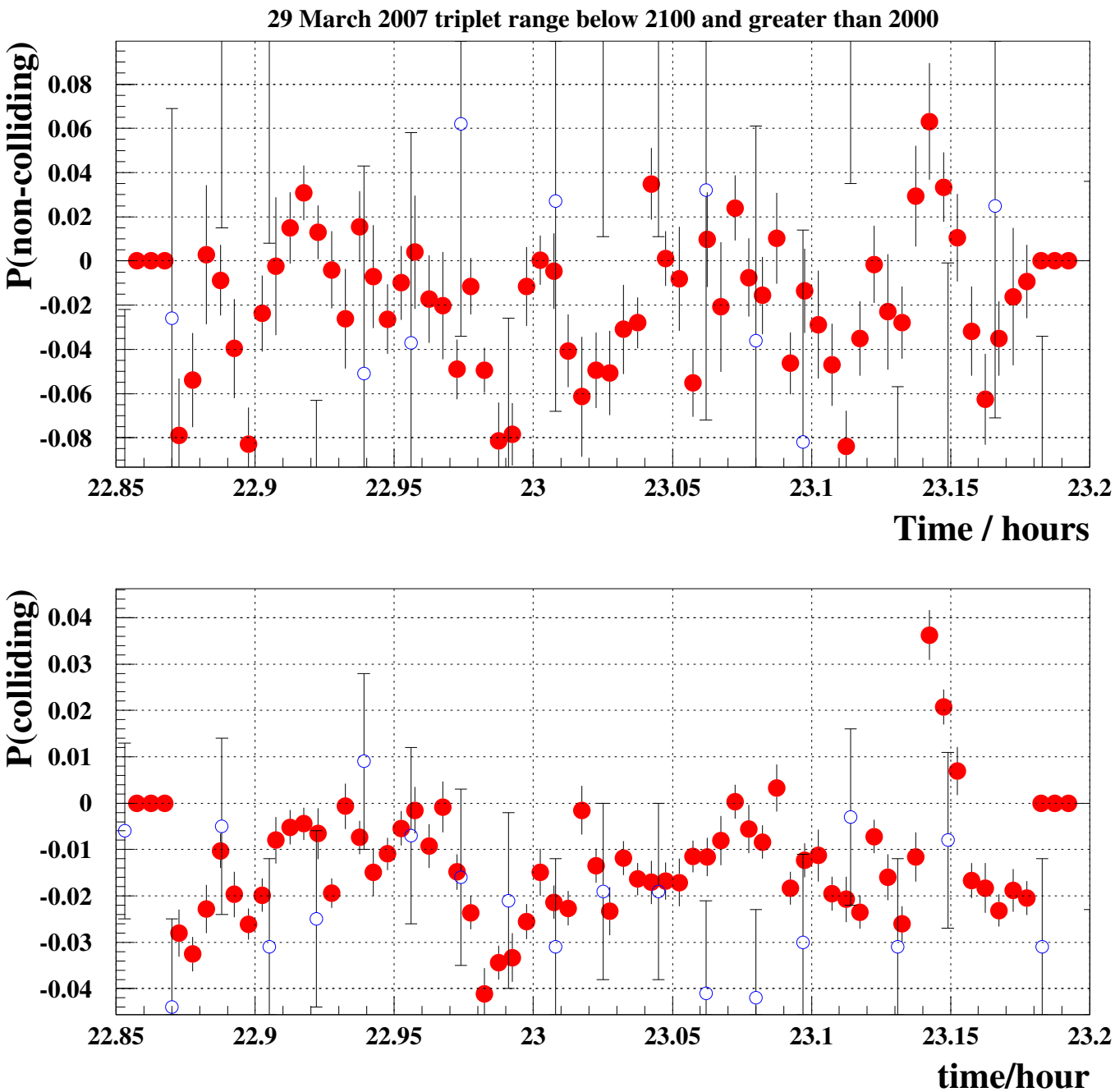

P(colliding)
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
-0.025
-0.03
-0.035
21.9
21.95
22
22.05
22.1
22.15
22.2
22.25
time/hour

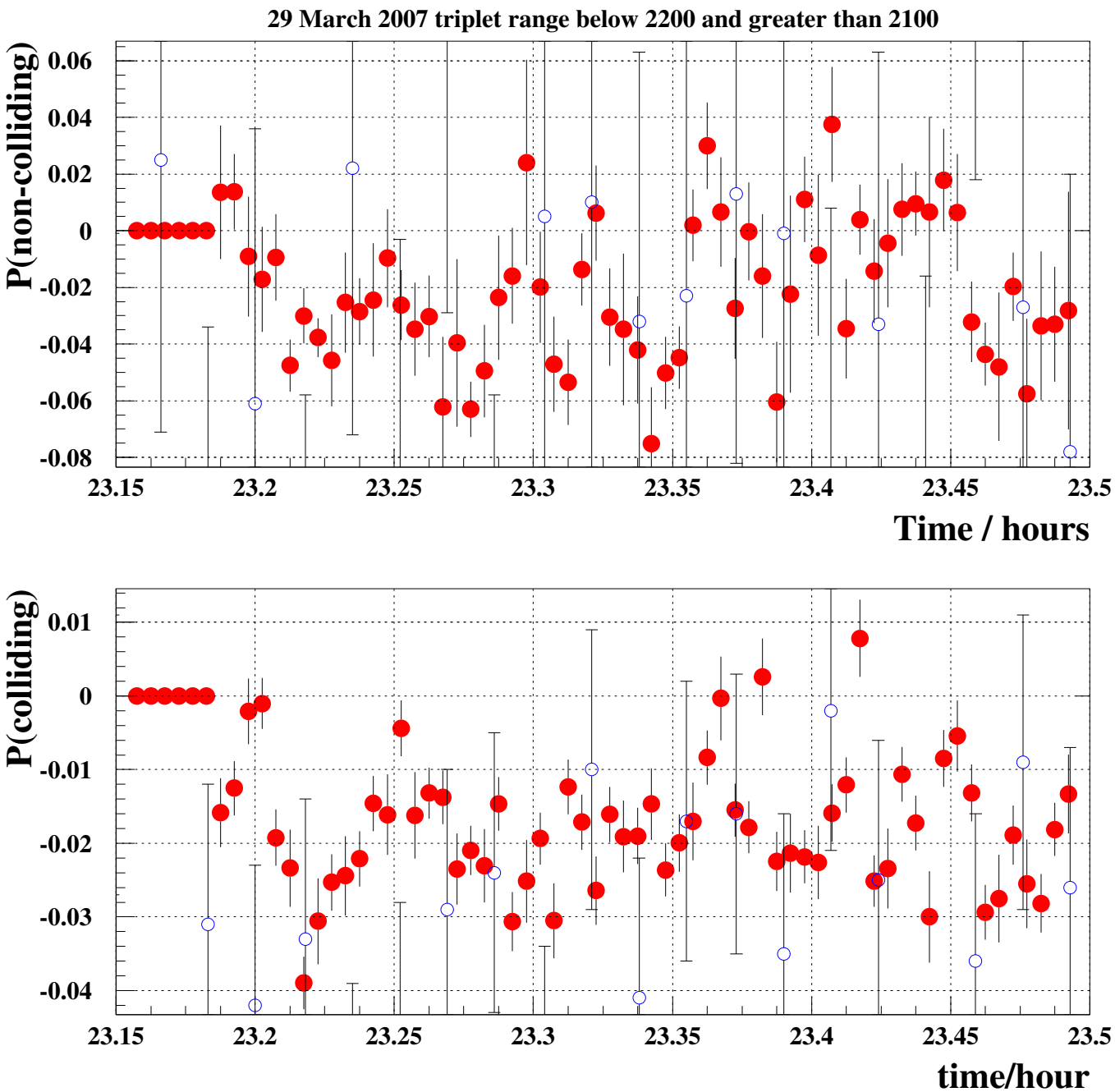

29 March 2007 triplet range below 1900 and greater than 1800
P(non-colliding)
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
22.2
22.25
22.3
22.35
22.4
22.45
22.5
22.55
Time / hours

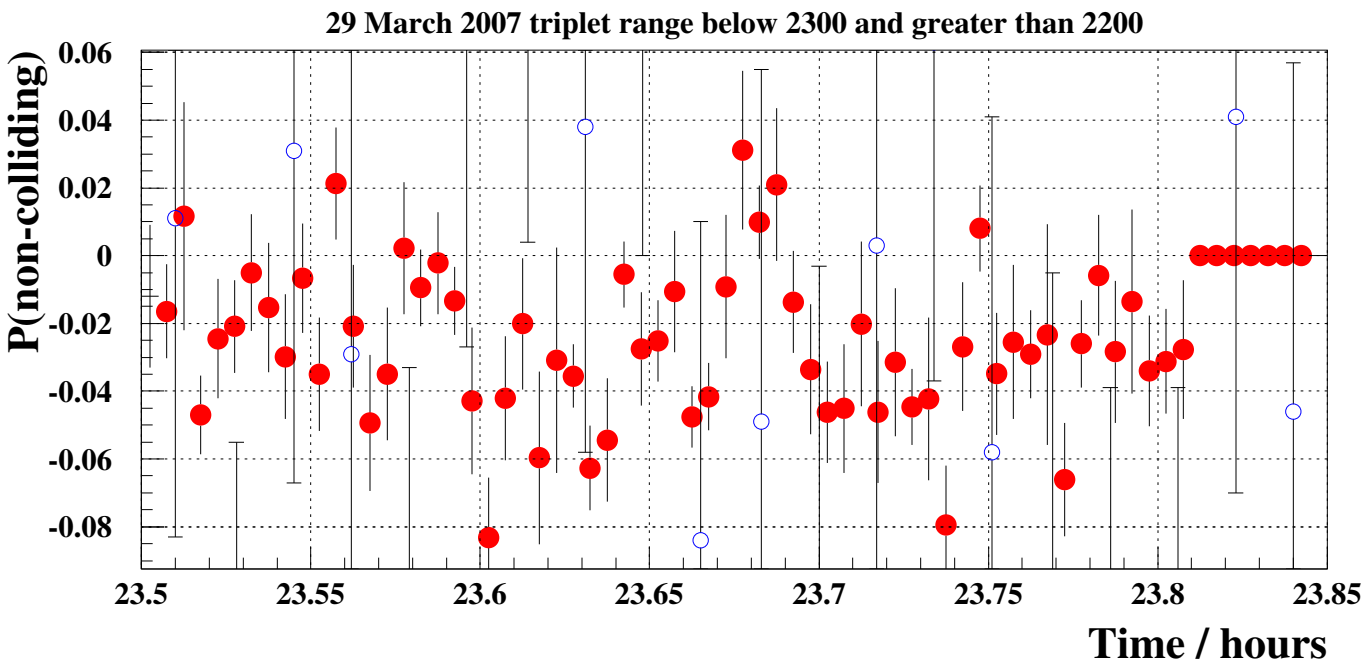

P(colliding)
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
22.2
22.25
22.3
22.35
22.4
22.45
22.5
22.55
time/hour

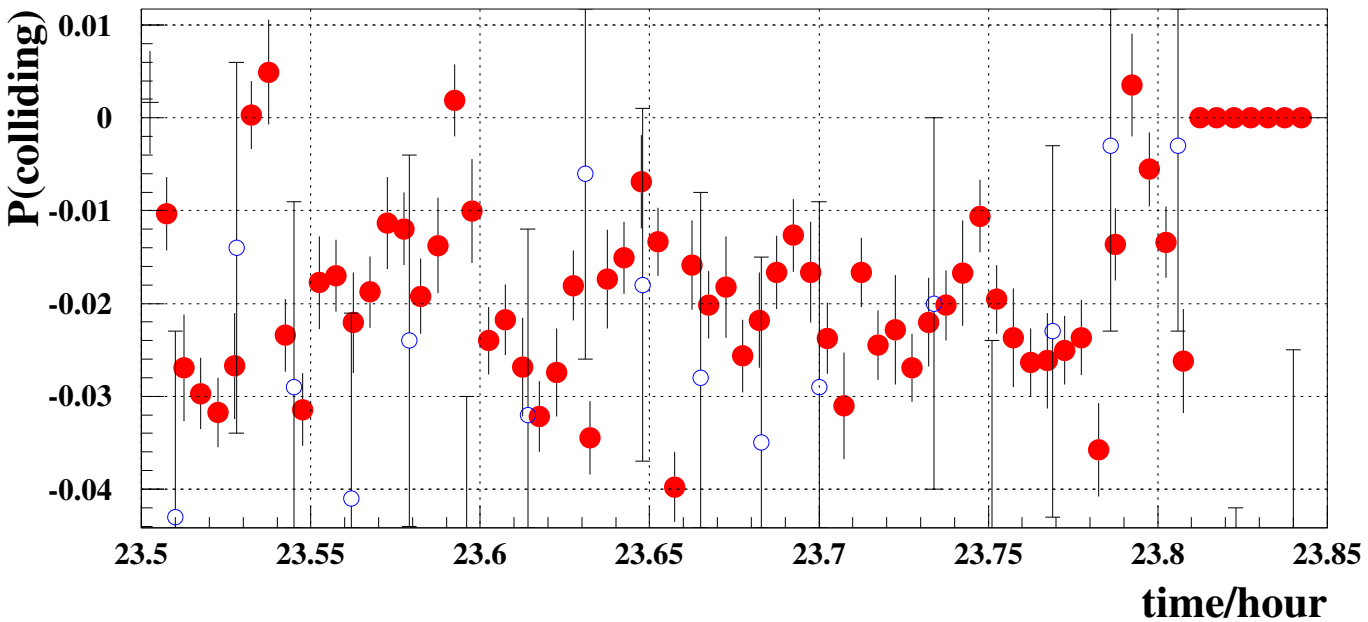

29 March 2007 triplet range below 2000 and greater than 1900
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
22.55
22.6
22.65
22.7
22.75
22.8
22.85
22.9
Time / hours

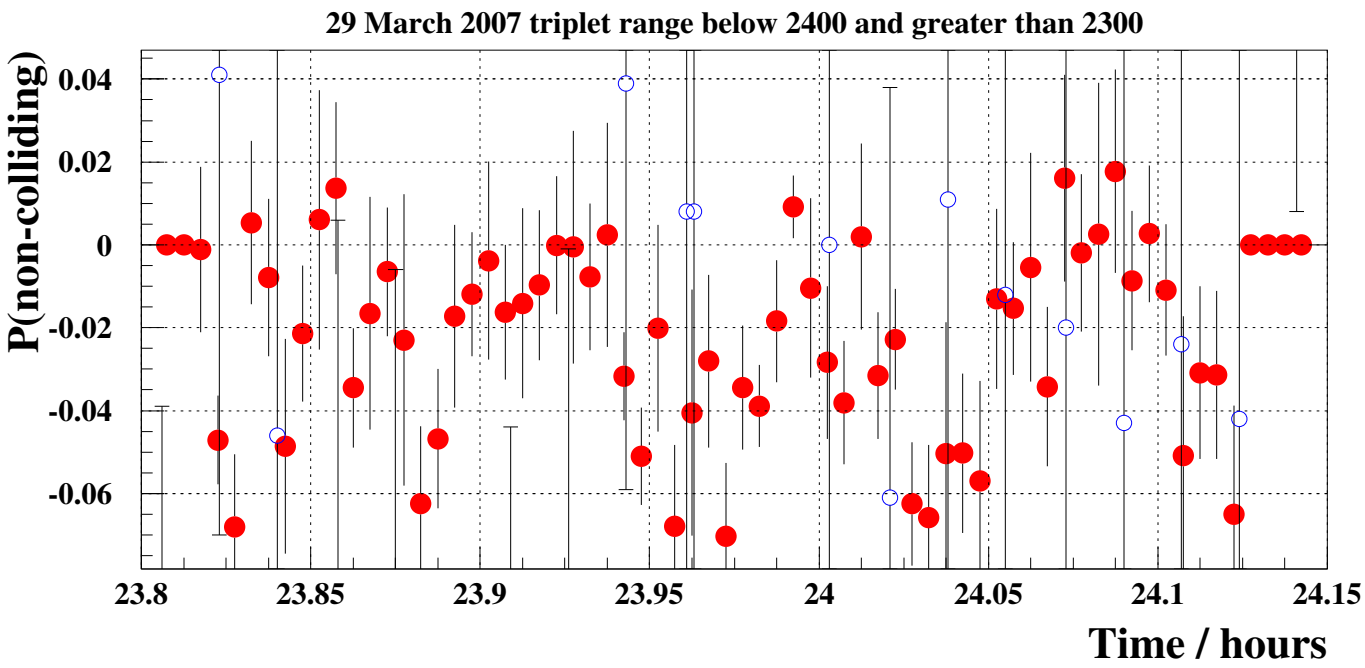

P(colliding)
0
-0.01
-0.02
-0.03
-0.04
22.55
22.6
22.65
22.7
22.75
22.8
22.85
22.9
time/hour

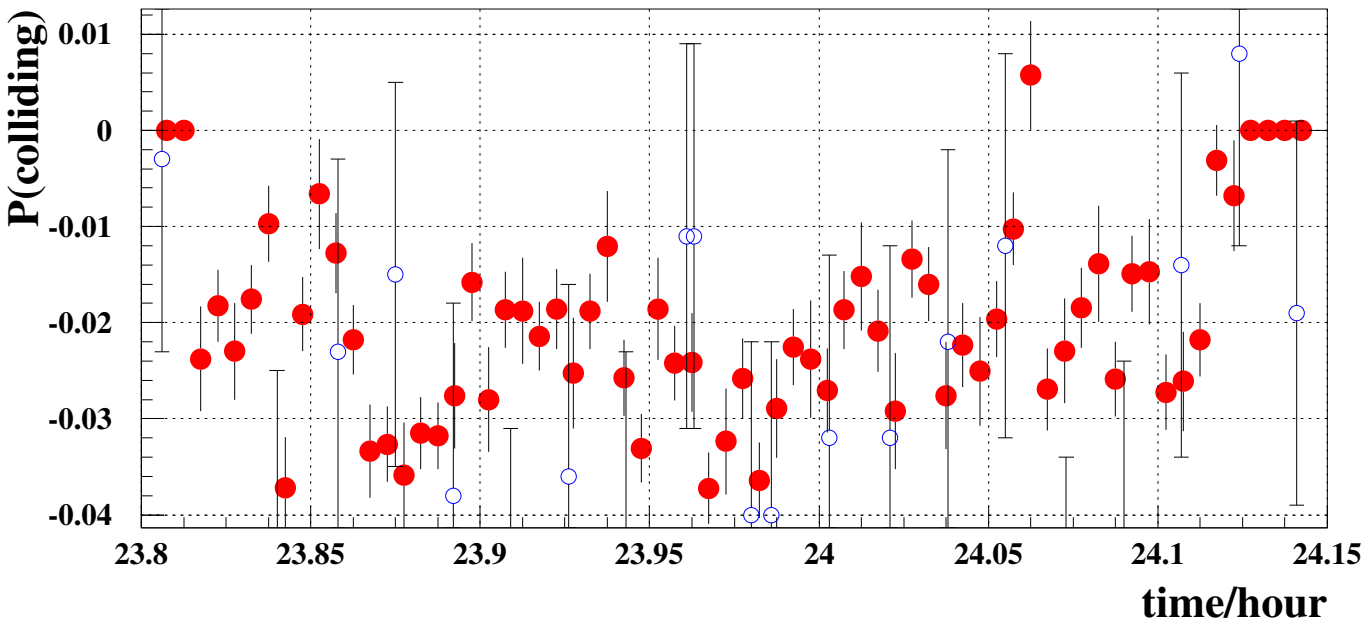

29 March 2007 triplet range below 2100 and greater than 2000
P(non-colliding)
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
22.85
22.9
22.95
23
23.05
23.1
23.15
23.2
Time / hours
P(colliding)
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
22.85
22.9
22.95
23
23.05
23.1
23.15
23.2
time/hour

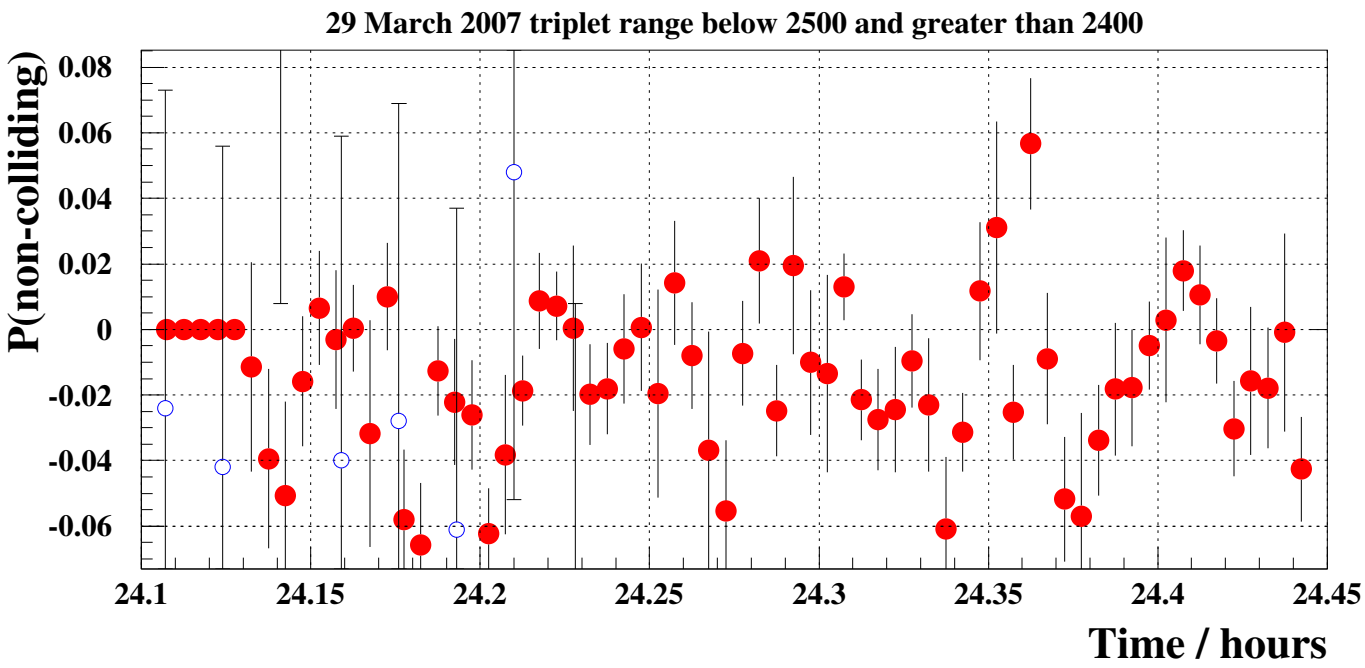

29 March 2007 triplet range below 2200 and greater than 2100
P(non-colliding)
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
23.15
23.2
23.25
23.3
23.35
23.4
23.45
23.5
Time / hours
P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
23.15
23.2
23.25
23.3
23.35
23.4
23.45
23.5
time/hour

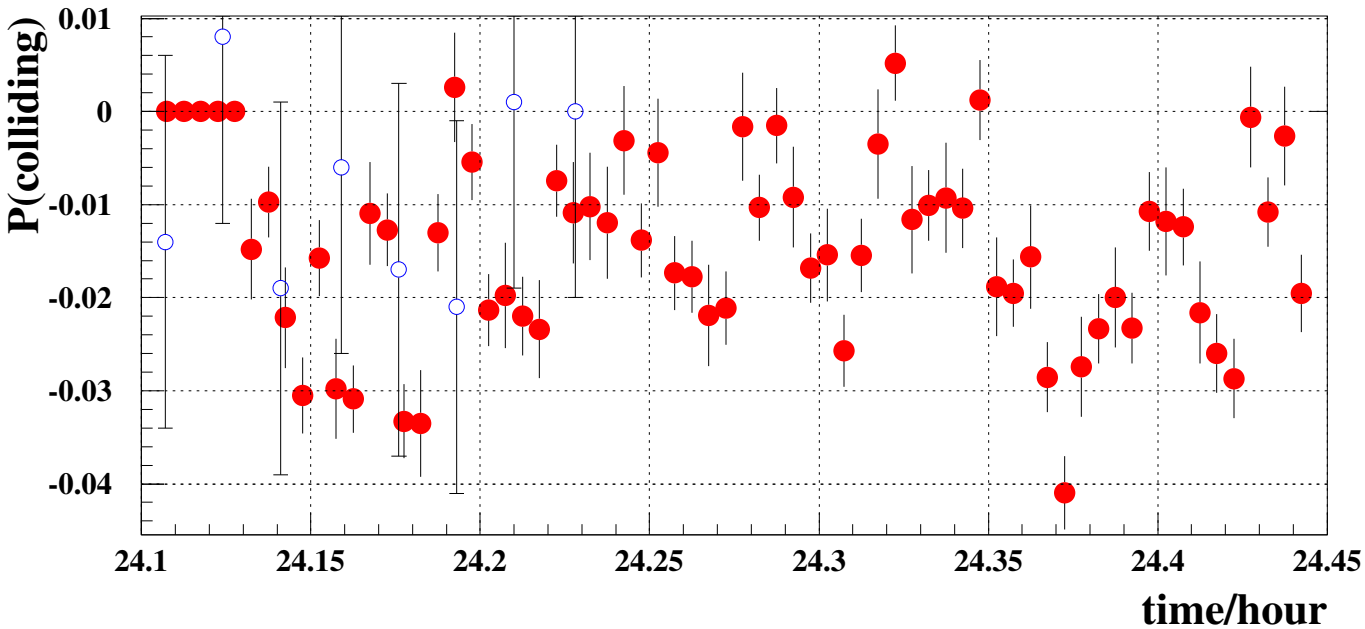

29 March 2007 triplet range below 2300 and greater than 2200
P(non-colliding)
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
23.5
23.55
23.6
23.65
23.7
23.75
23.8
23.85
Time / hours

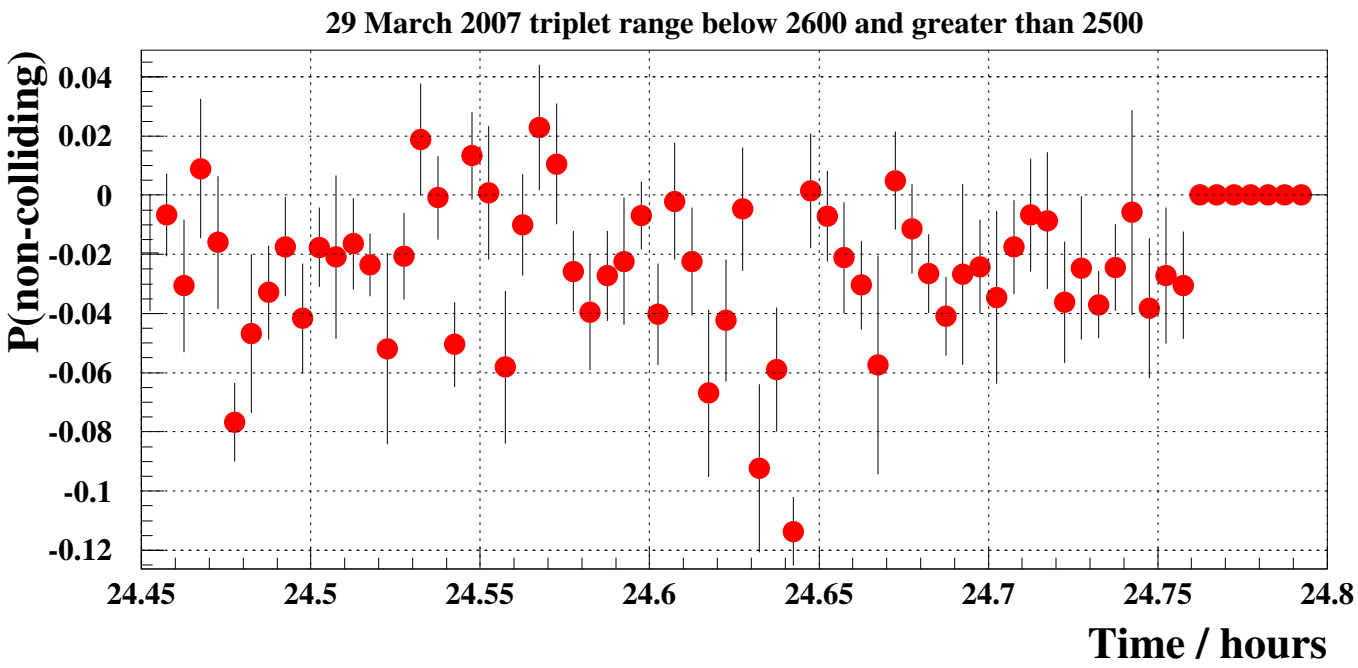

P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
23.5
23.55
23.6
23.65
23.7
23.75
23.8
23.85
time/hour

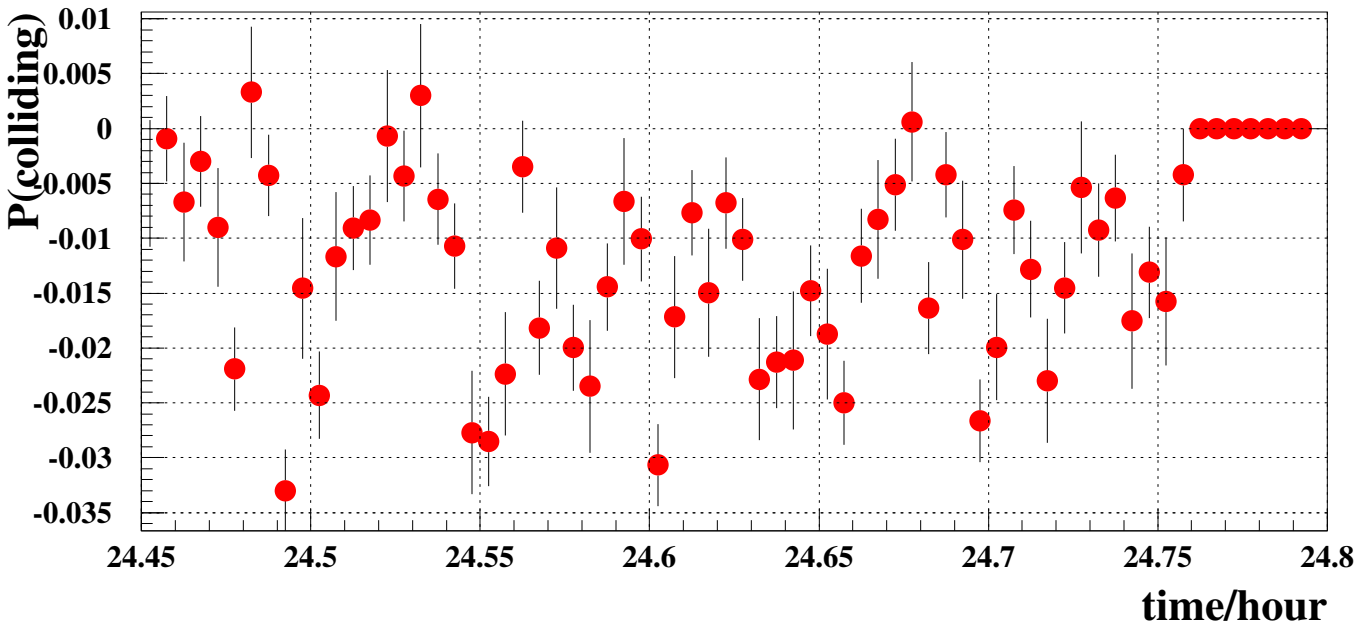

29 March 2007 triplet range below 2400 and greater than 2300
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
-0.06
23.8
23.85
23.9
23.95
24
24.05
24.1
24.15
Time / hours

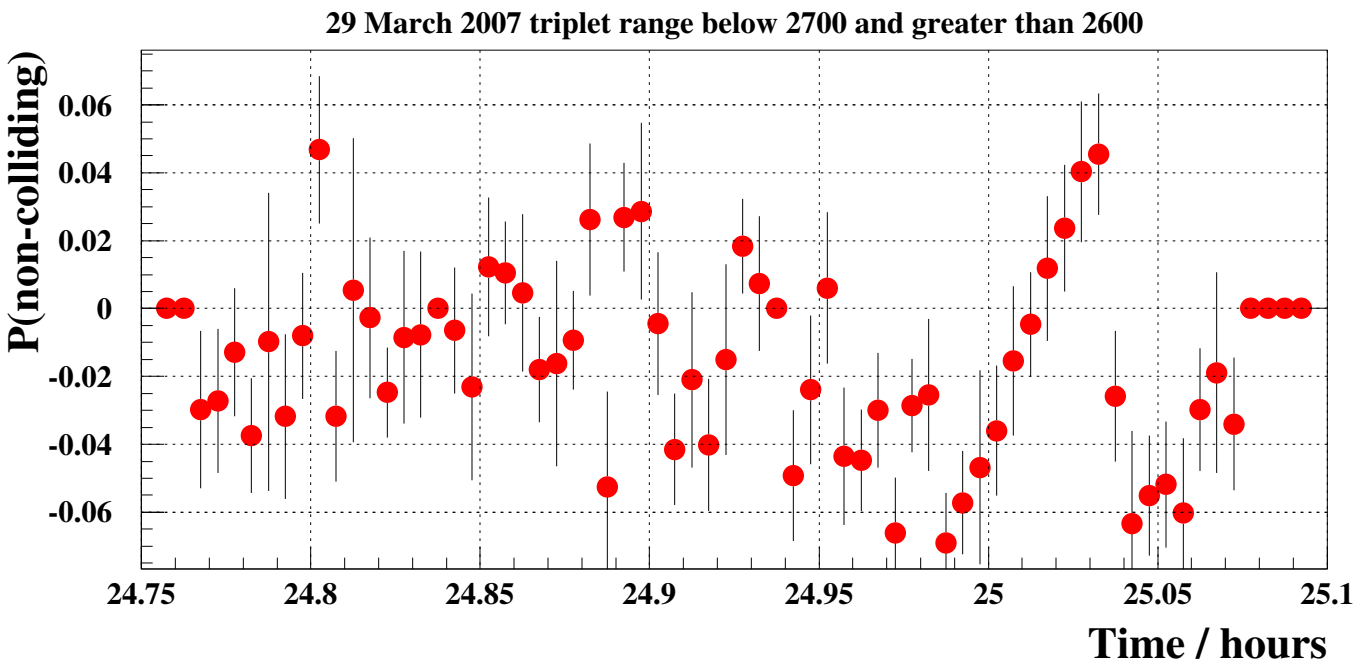

P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
23.8
23.85
23.9
23.95
24
24.05
24.1
24.15
time/hour

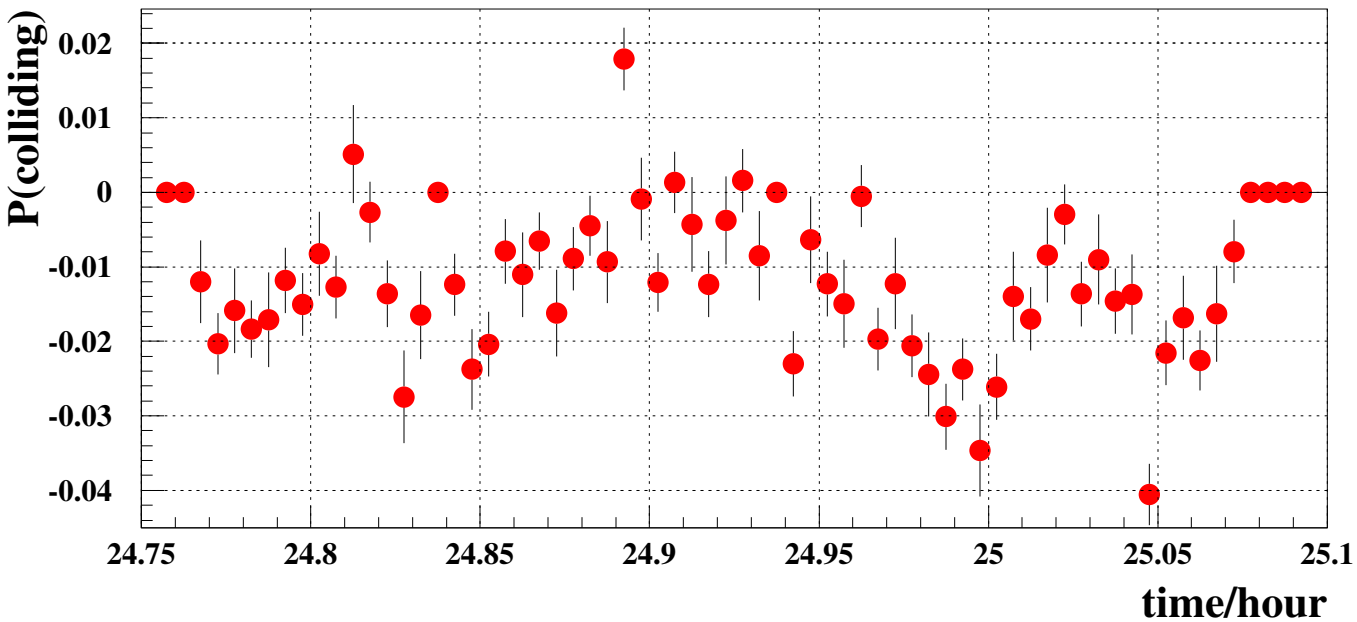

29 March 2007 triplet range below 2500 and greater than 2400
P(non-colliding)
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
24.1
24.15
24.2
24.25
24.3
24.35
24.4
24.45
Time / hours

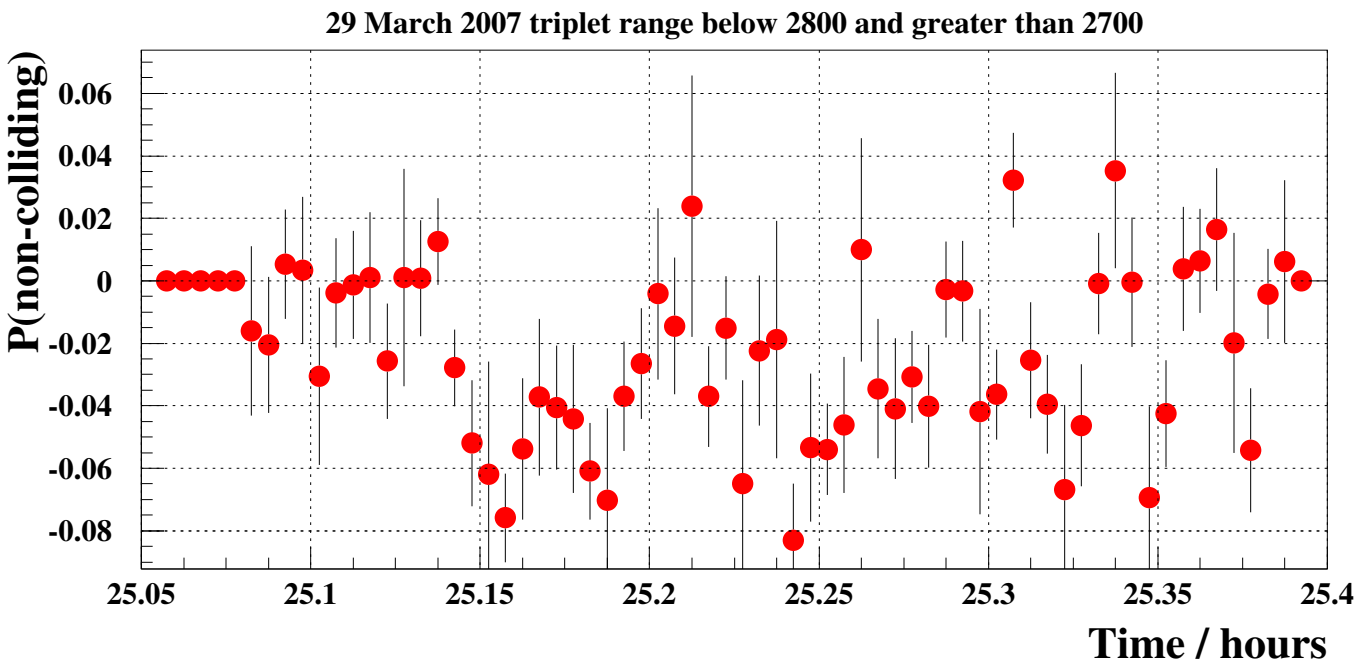

P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
24.1
24.15
24.2
24.25
24.3
24.35
24.4
24.45
time/hour

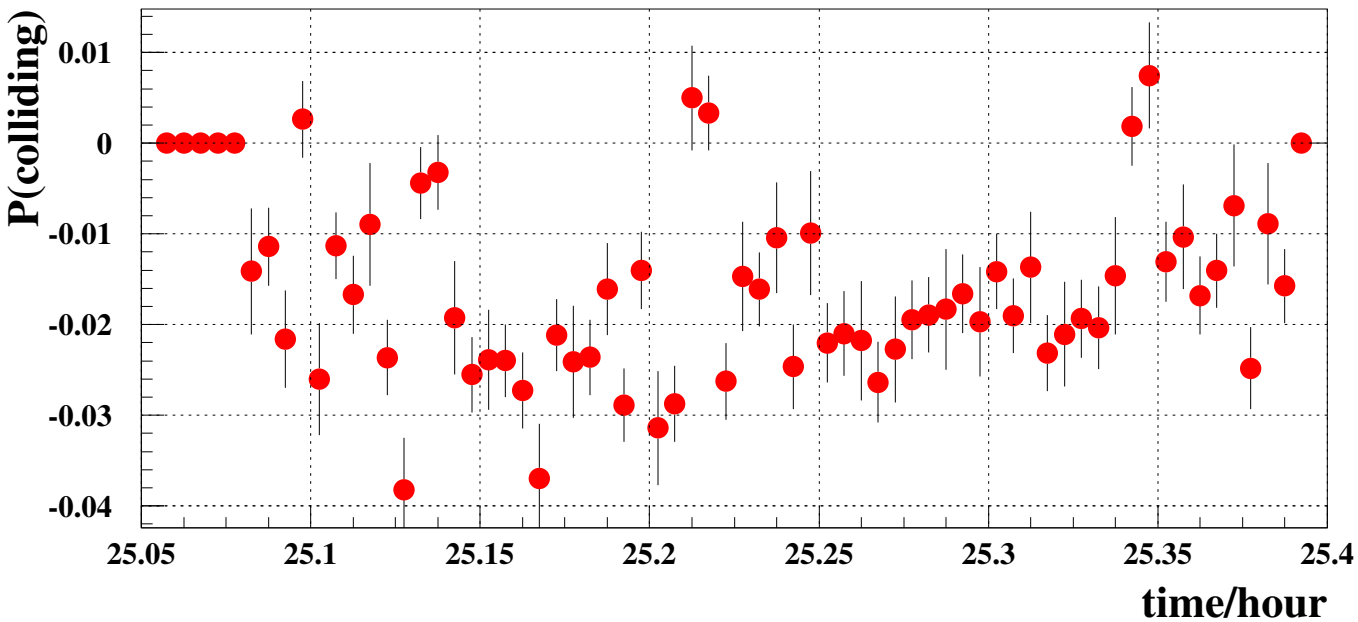

29 March 2007 triplet range below 2600 and greater than 2500
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
24.45
24.5
24.55
24.6
24.65
24.7
24.75
24.8
Time / hours

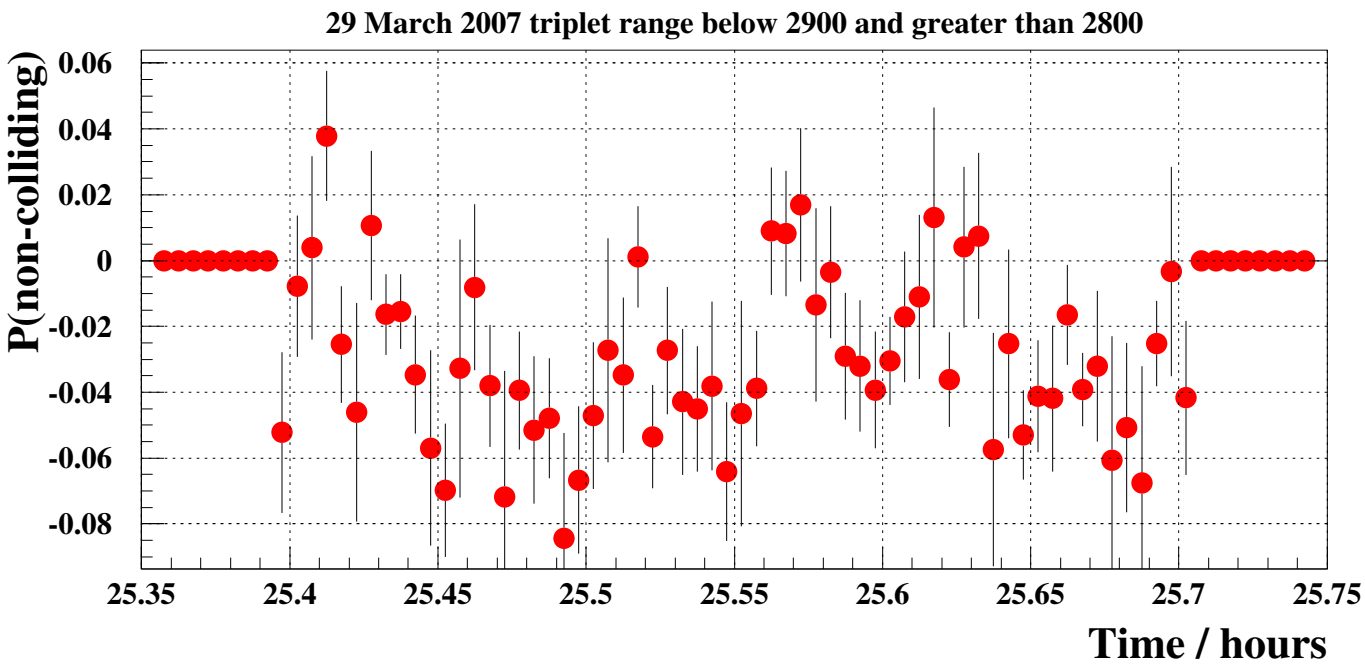

P(colliding)
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
-0.025
-0.03
-0.035
24.45
24.5
24.55
24.6
24.65
24.7
24.75
24.8
time/hour

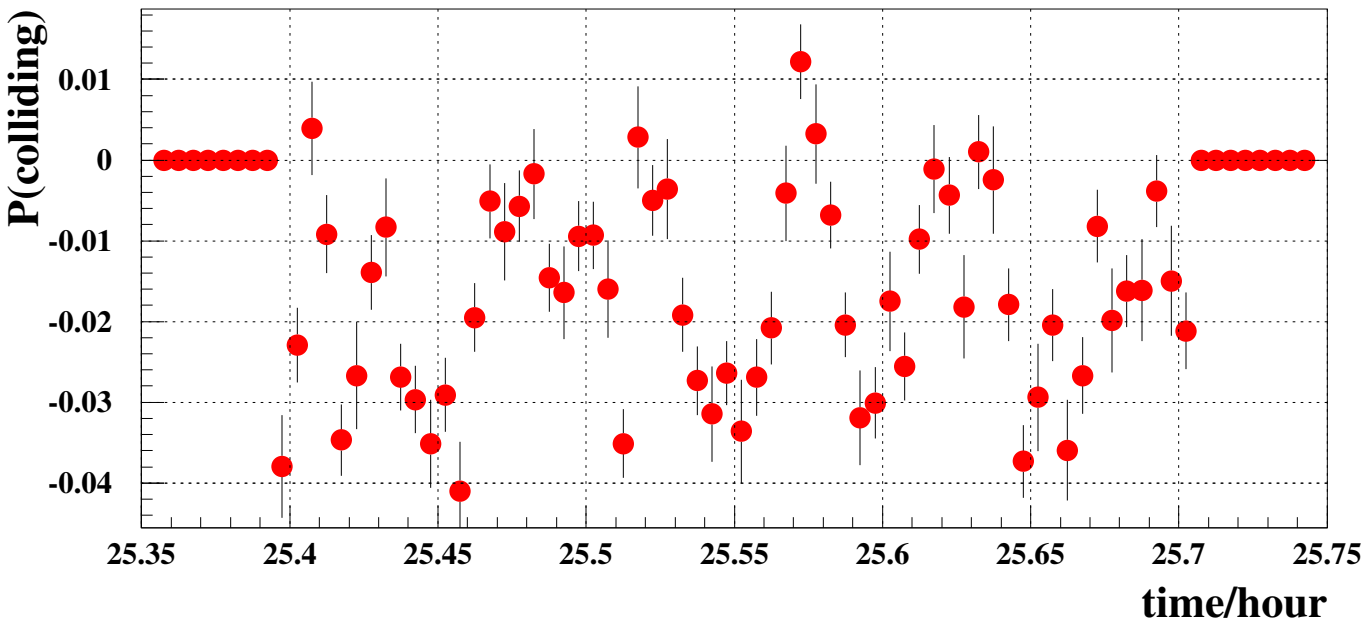

29 March 2007 triplet range below 2700 and greater than 2600
P(non-colliding)
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
24.75
24.8
24.85
24.9
24.95
25
25.05
25.1
Time / hours

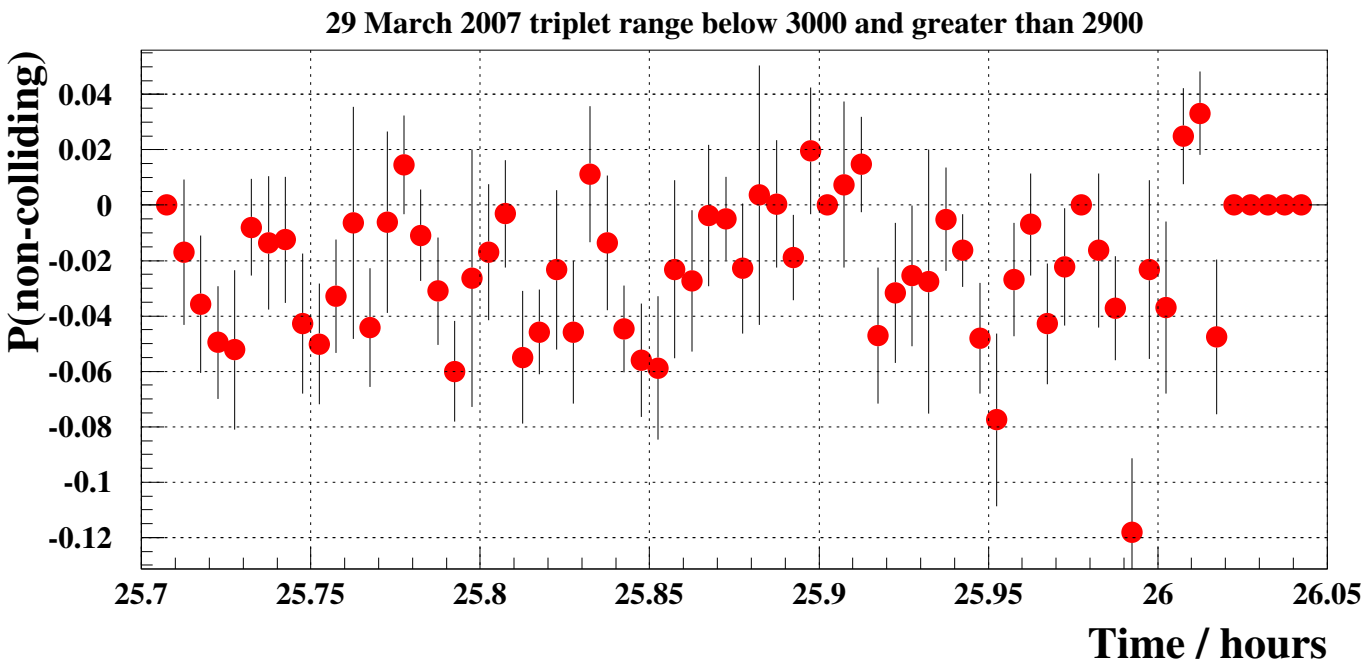

P(colliding)
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
24.75
24.8
24.85
24.9
24.95
25
25.05
25.1
time/hour

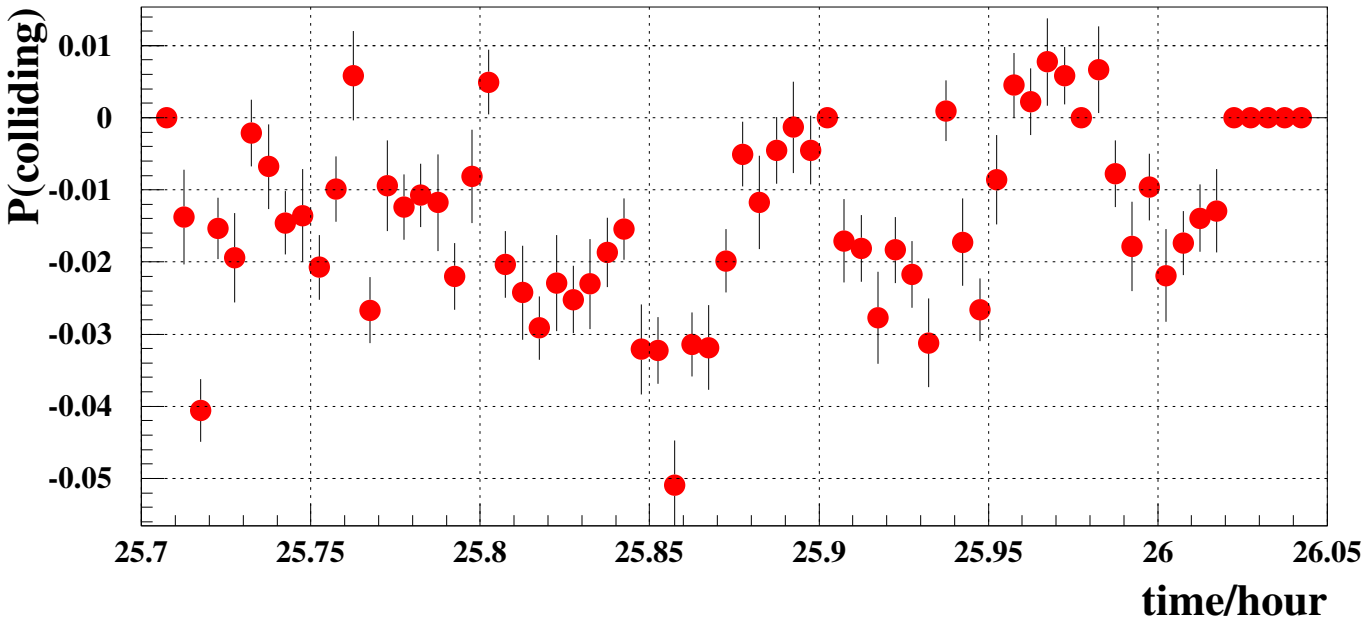

29 March 2007 triplet range below 2800 and greater than 2700
P(non-colliding)
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
25.05
25.1
25.15
25.2
25.25
25.3
25.35
25.4
Time / hours

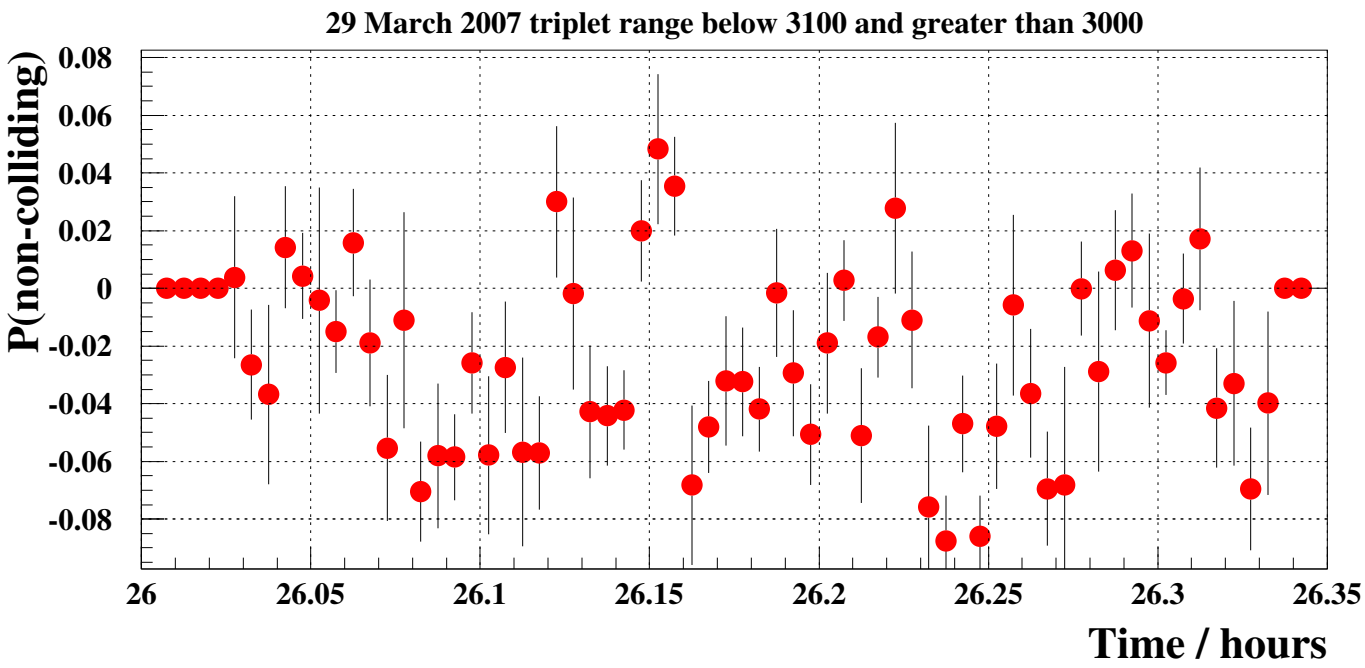

P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
25.05
25.1
25.15
25.2
25.25
25.3
25.35
25.4
time/hour

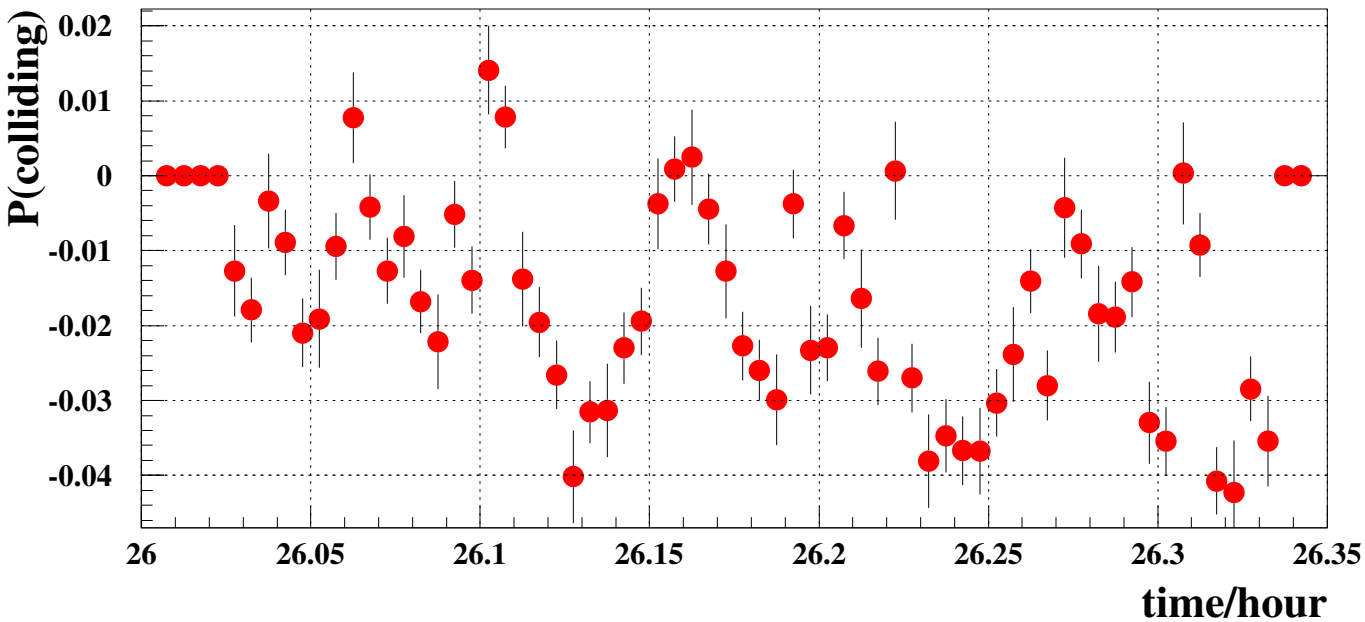

29 March 2007 triplet range below 2900 and greater than 2800
P(non-colliding)
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
25.35
25.4
25.45
25.5
25.55
25.6
25.65
25.7
25.75
Time / hours

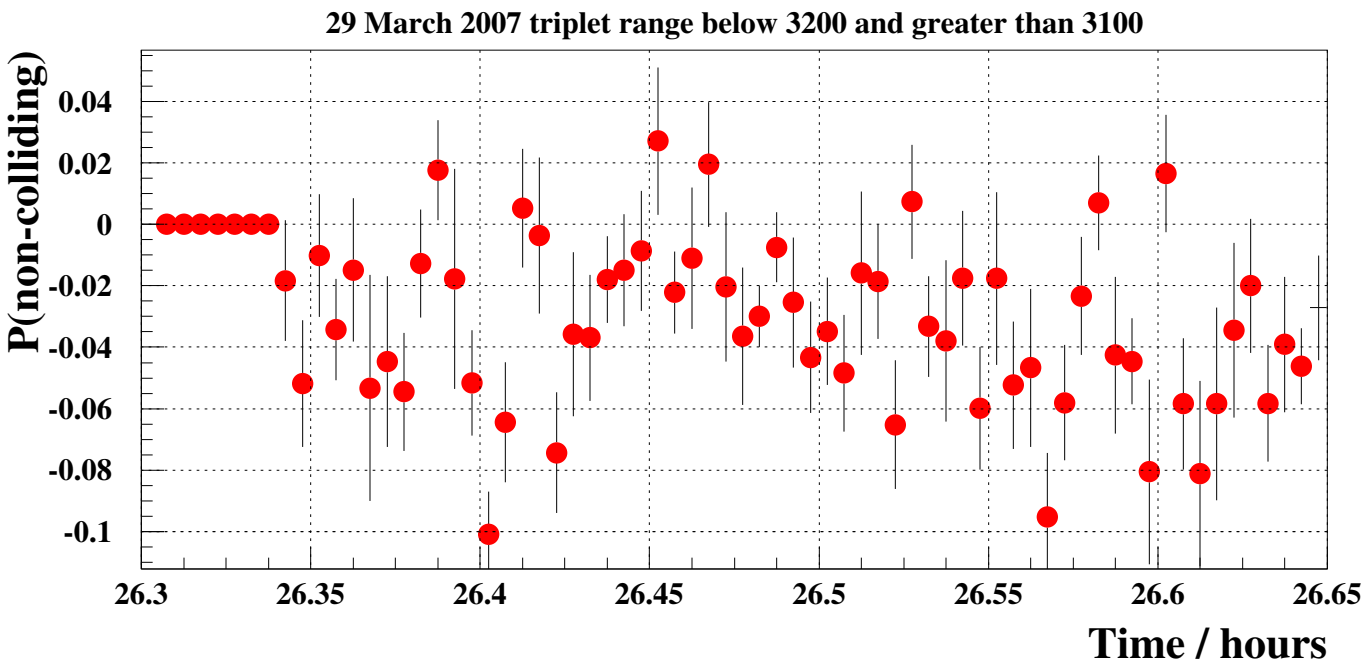

P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
25.35
25.4
25.45
25.5
25.55
25.6
25.65
25.7
25.75
time/hour

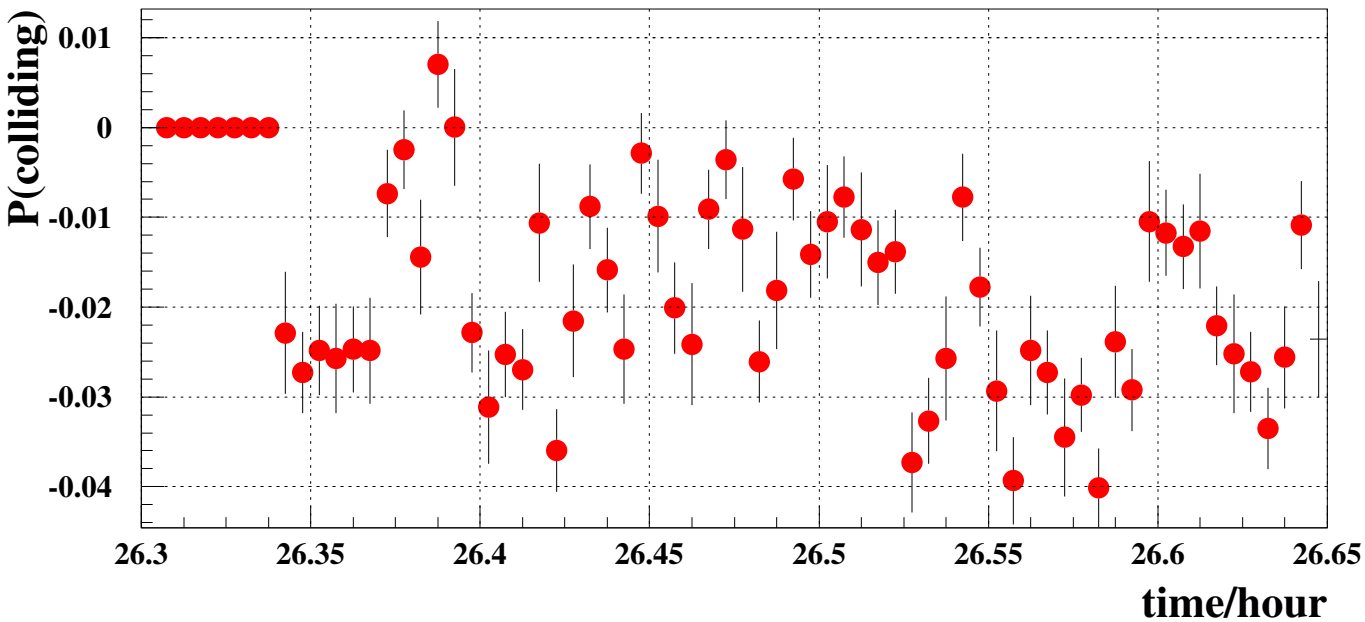

29 March 2007 triplet range below 3000 and greater than 2900
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
25.7
25.75
25.8
25.85
25.9
25.95
26
26.05
Time / hours

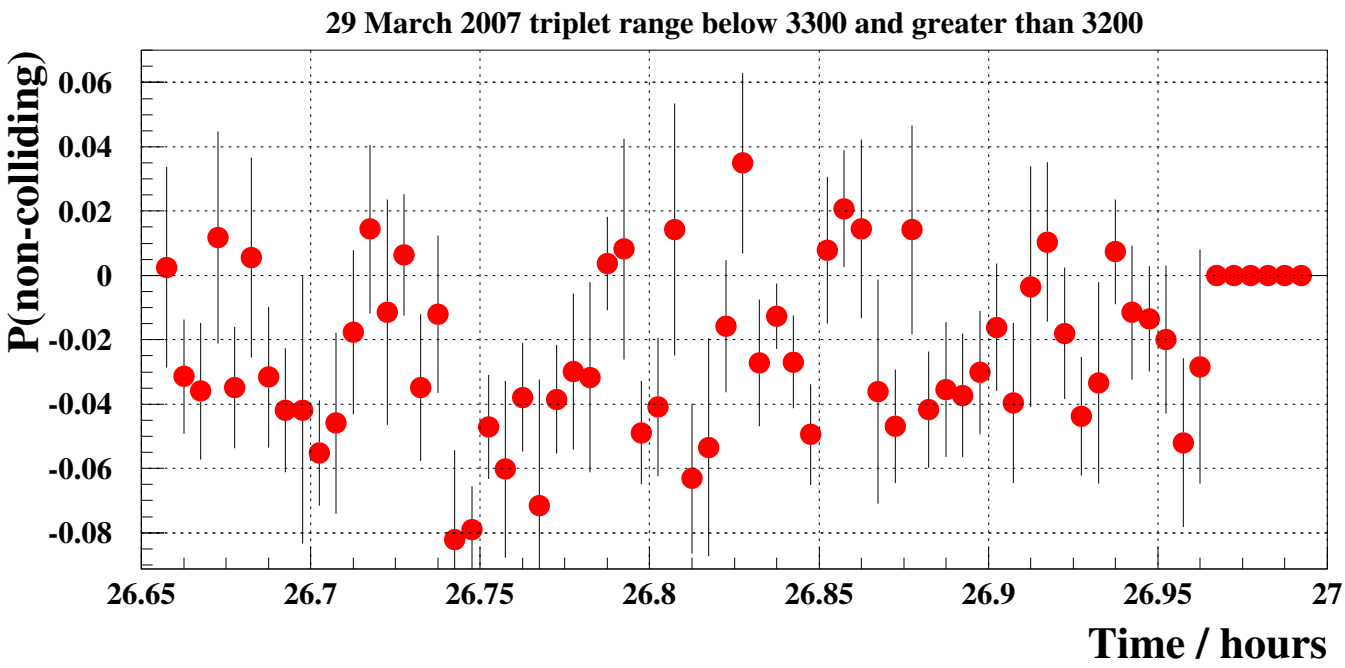

P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
25.7
25.75
25.8
25.85
25.9
25.95
26
26.05
time/hour

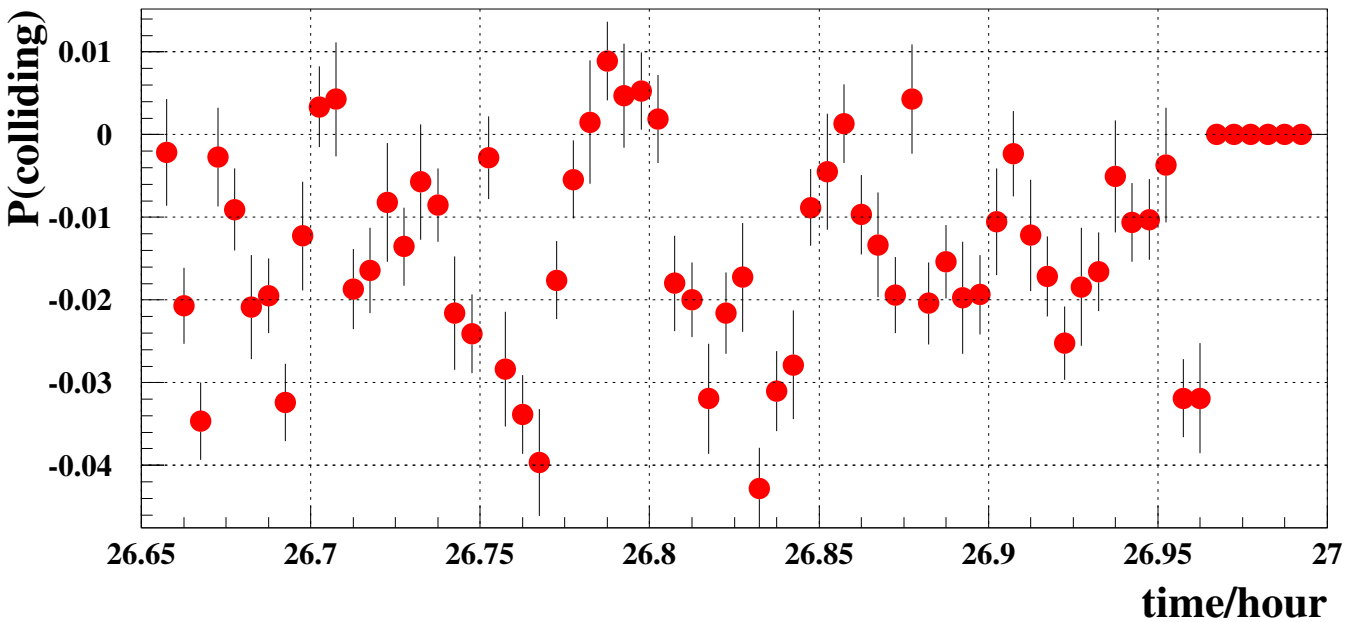

29 March 2007 triplet range below 3100 and greater than 3000
P(non-colliding)
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
26
26.05
26.1
26.15
26.2
26.25
26.3
26.35
Time / hours

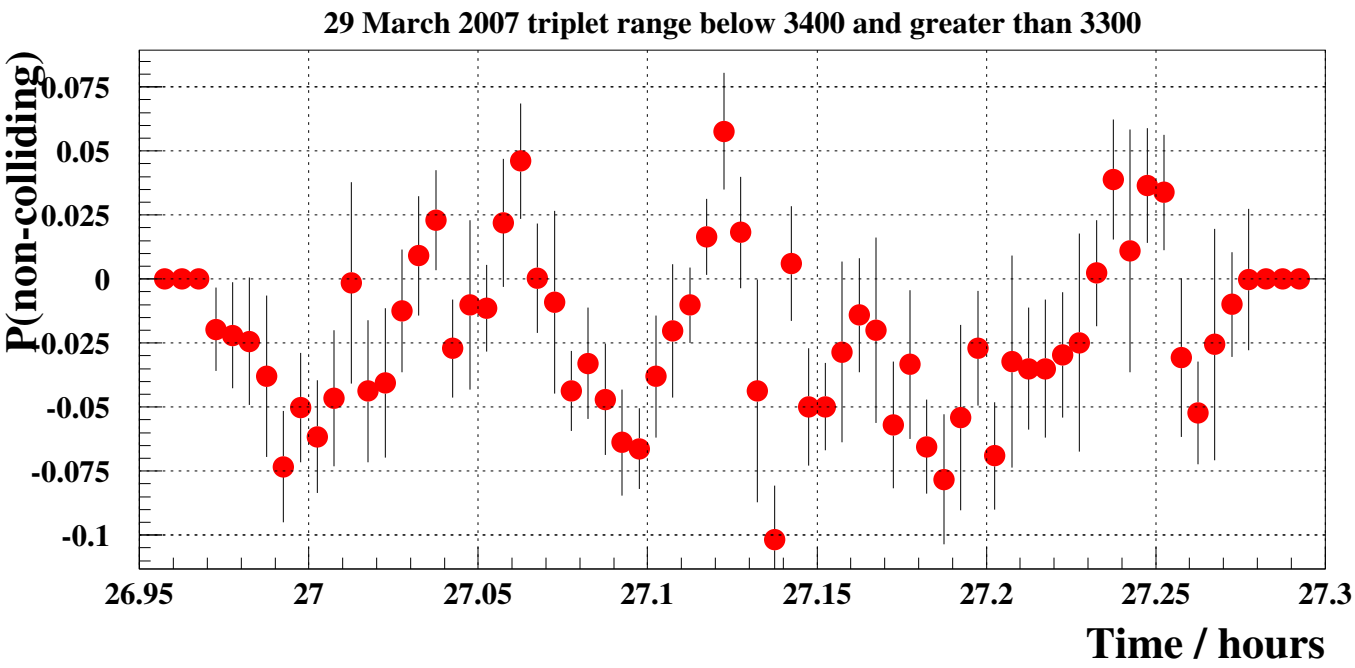

P(colliding)
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
26
26.05
26.1
26.15
26.2
26.25
26.3
26.35
time/hour

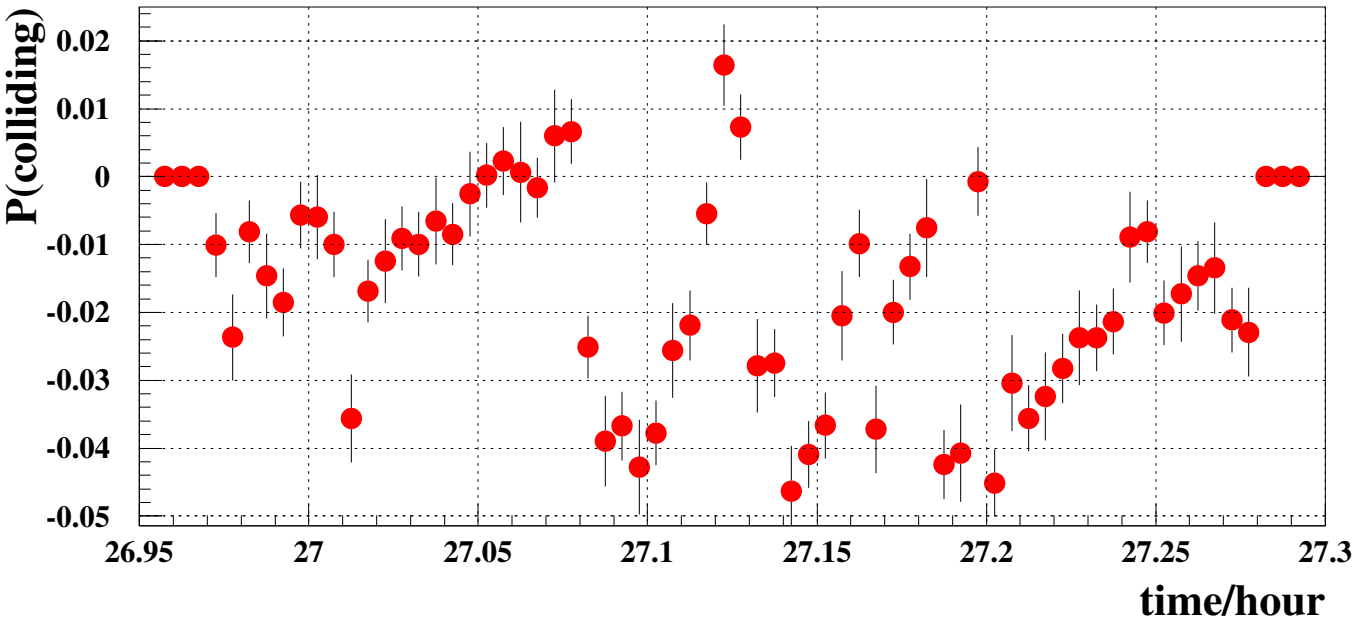

29 March 2007 triplet range below 3200 and greater than 3100
P(non-colliding)
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
26.3
26.35
26.4
26.45
26.5
26.55
26.6
26.65
Time / hours

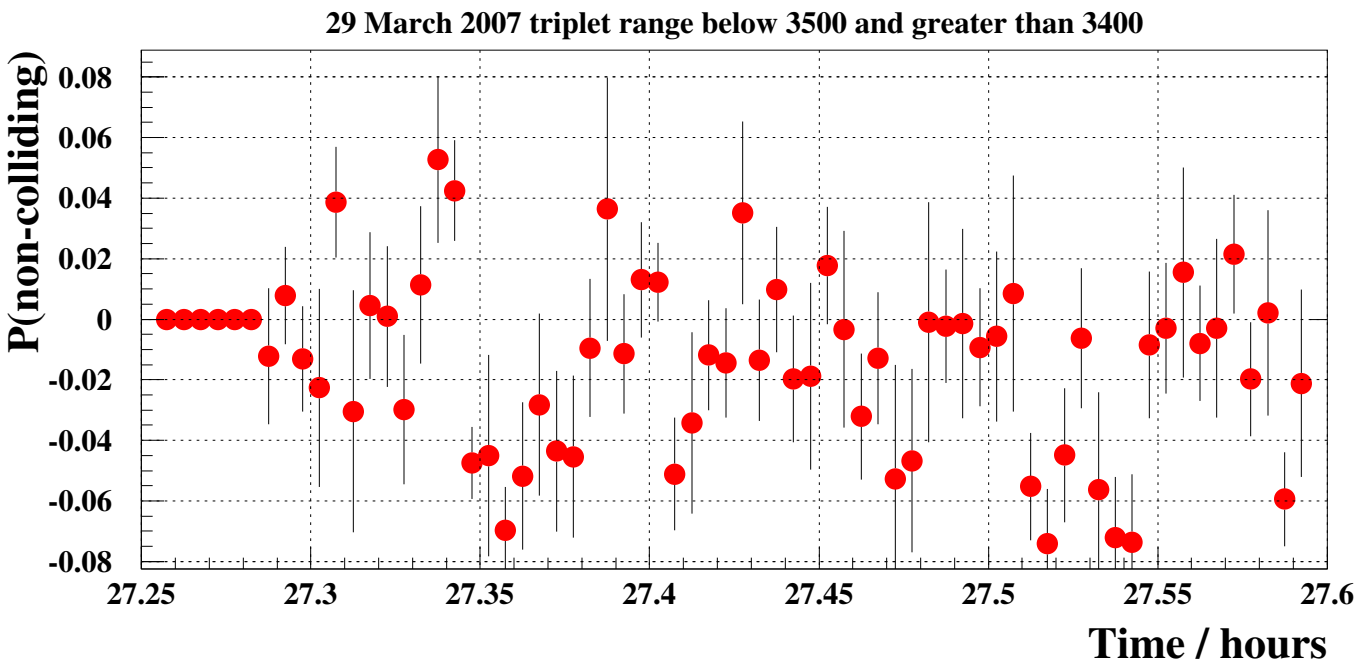

P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
26.3
26.35
26.4
26.45
26.5
26.55
26.6
26.65
time/hour

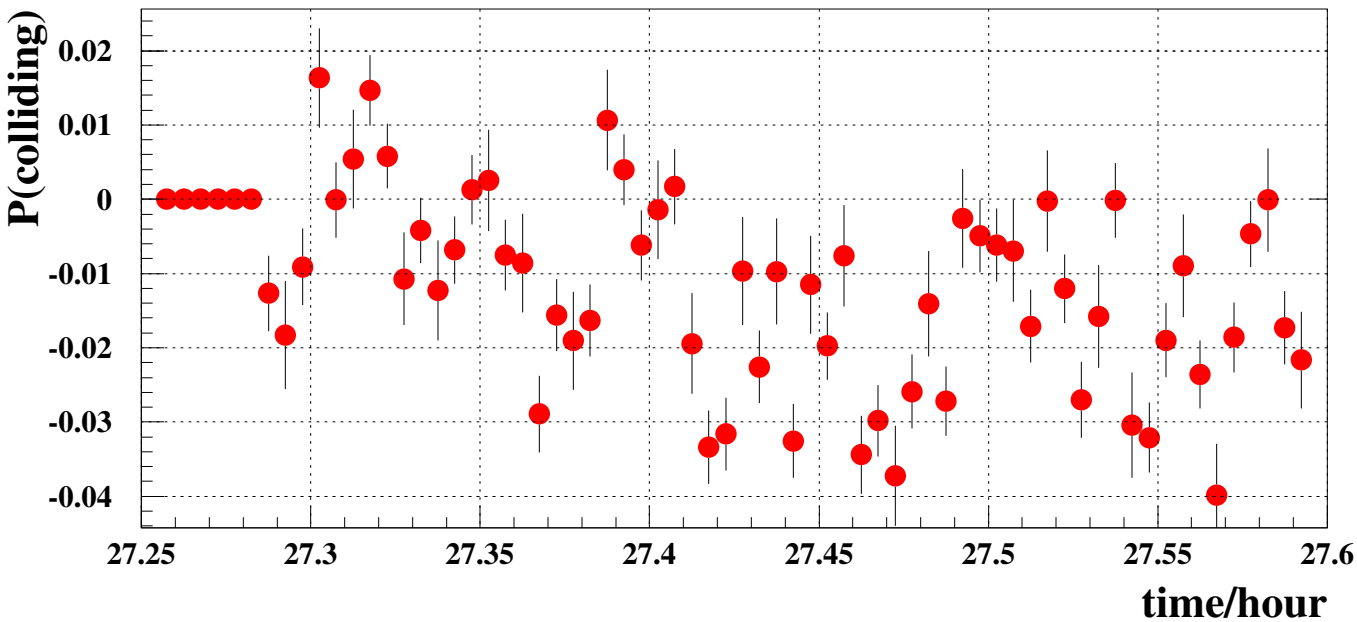

29 March 2007 triplet range below 3300 and greater than 3200
P(non-colliding)
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
26.65
26.7
26.75
26.8
26.85
26.9
26.95
27
Time / hours

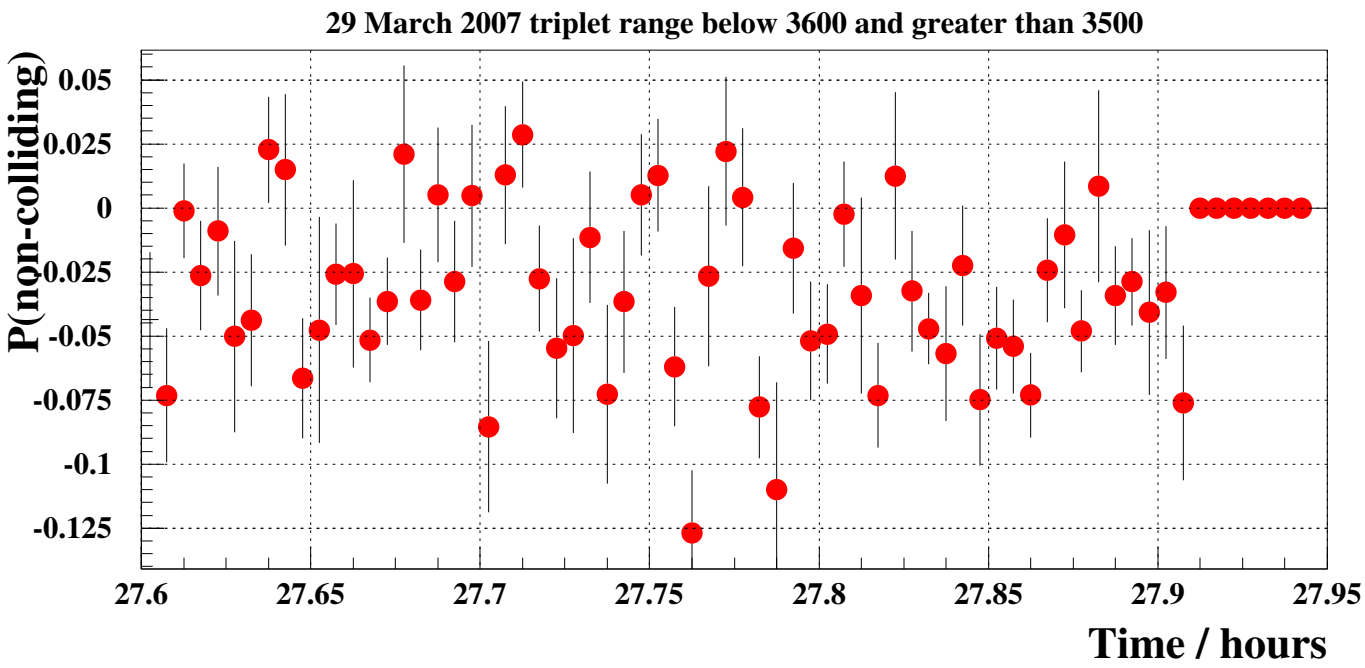

P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
26.65
26.7
26.75
26.8
26.85
26.9
26.95
27
time/hour

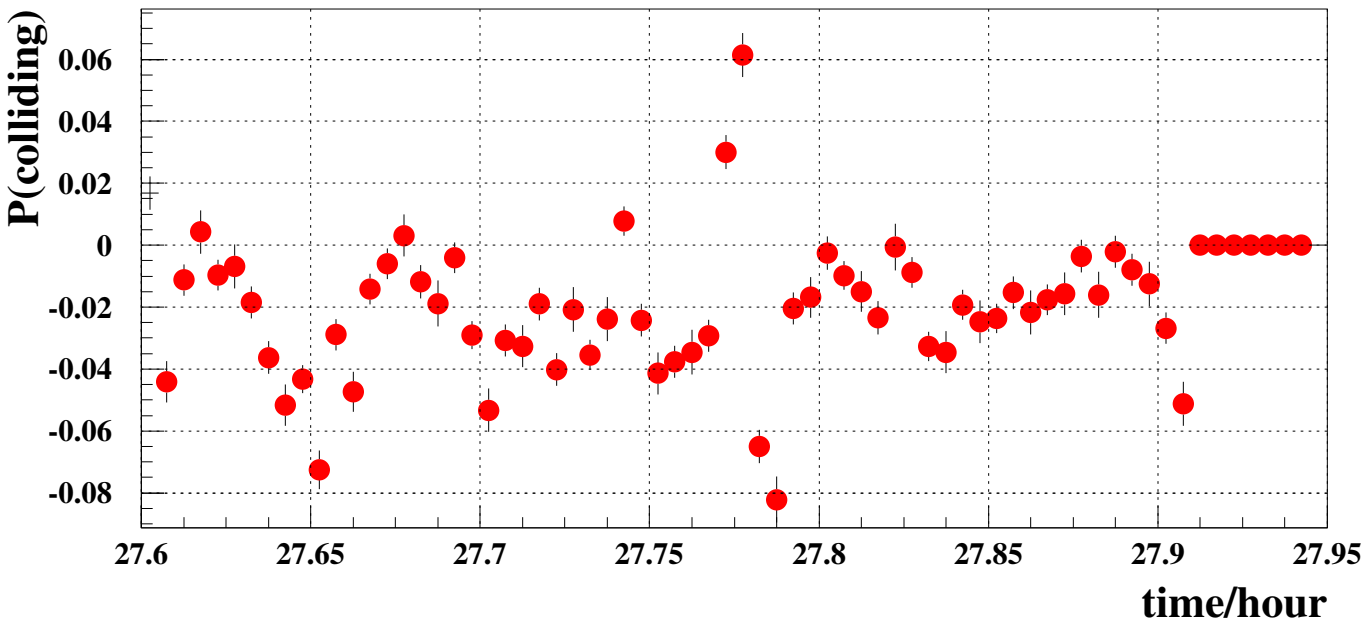

29 March 2007 triplet range below 3400 and greater than 3300
P(non-colliding)
0.075
0.05
0.025
0
-0.025
-0.05
-0.075
-0.1
26.95
27
27.05
27.1
27.15
27.2
27.25
27.3
Time / hours

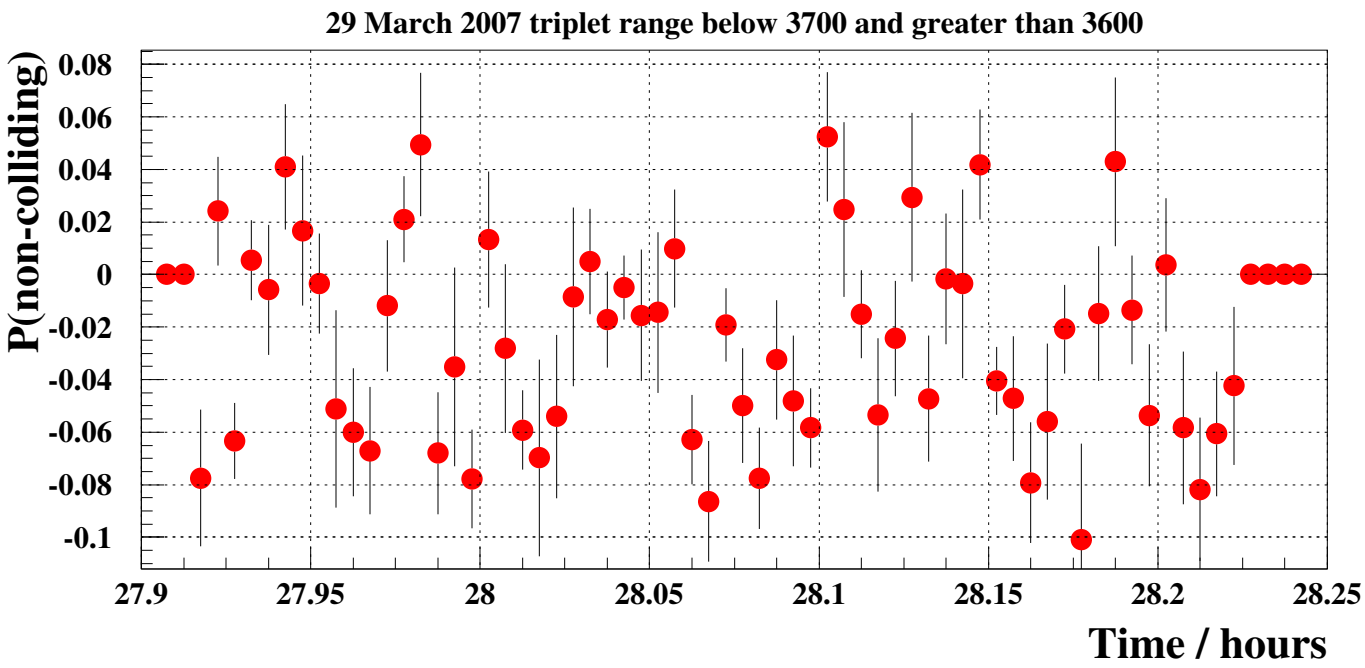

P(colliding)
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
26.95
27
27.05
27.1
27.15
27.2
27.25
27.3
time/hour

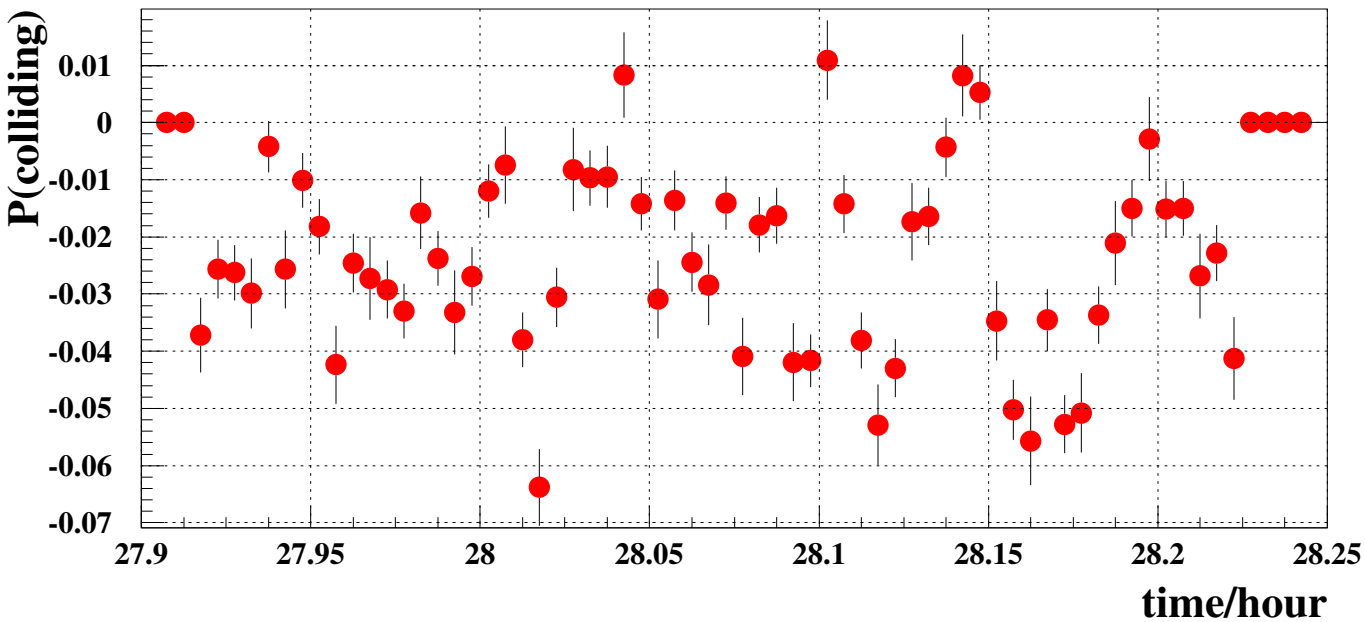

29 March 2007 triplet range below 3500 and greater than 3400
P(non-colliding)
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
27.25
27.3
27.35
27.4
27.45
27.5
27.55
27.6
Time / hours

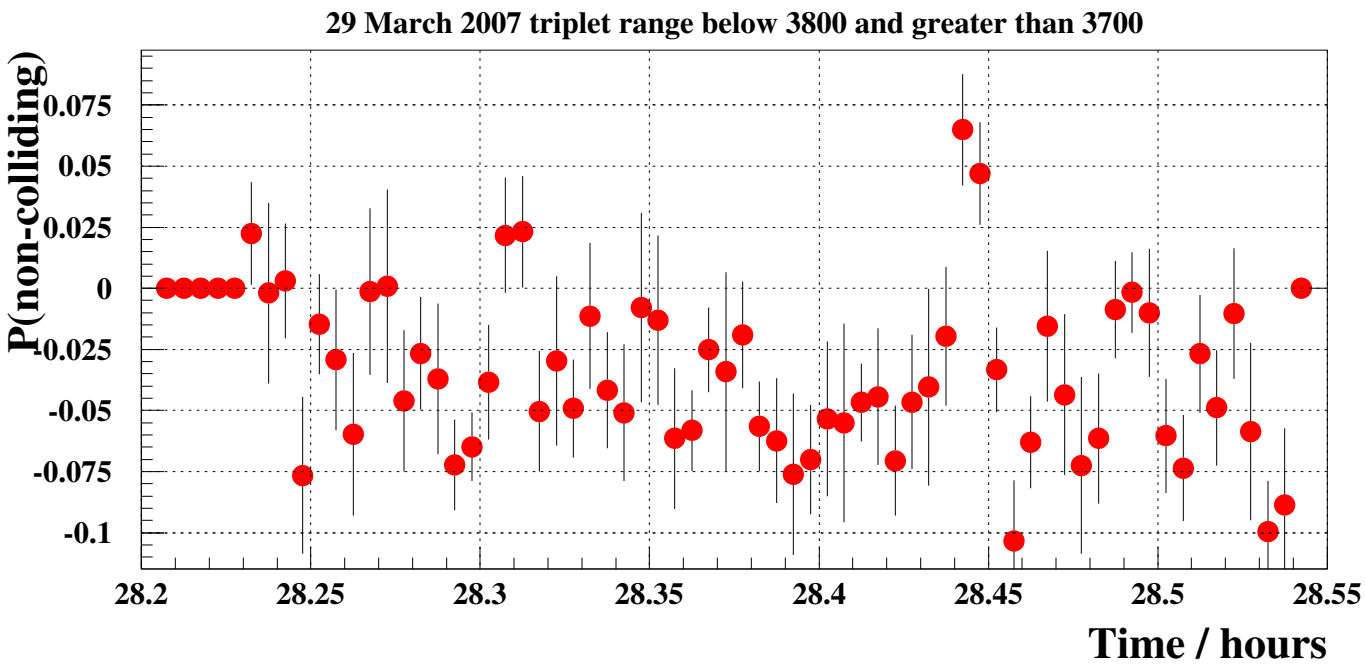

P(colliding)
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
27.25
27.3
27.35
27.4
27.45
27.5
27.55
27.6
time/hour

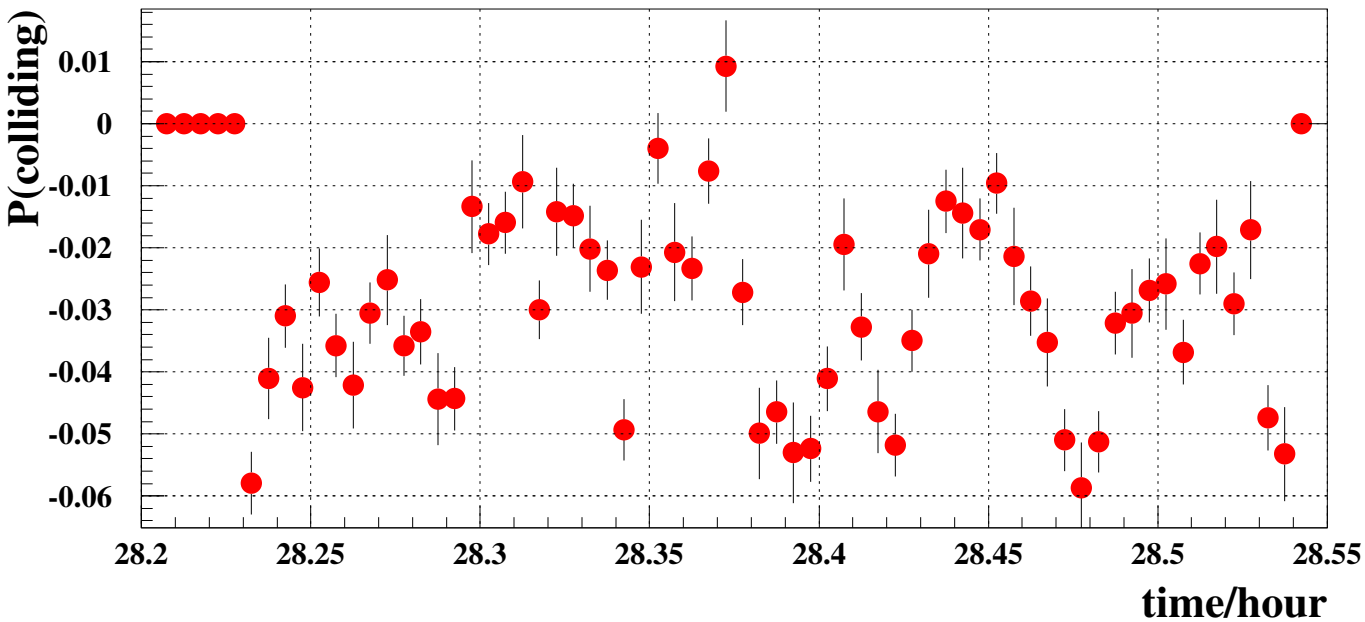

29 March 2007 triplet range below 3600 and greater than 3500
P(non-colliding)
0.05
0.025
0
-0.025
-0.05
-0.075
-0.1
-0.125
27.6
27.65
27.7
27.75
27.8
27.85
27.9
27.95
Time / hours

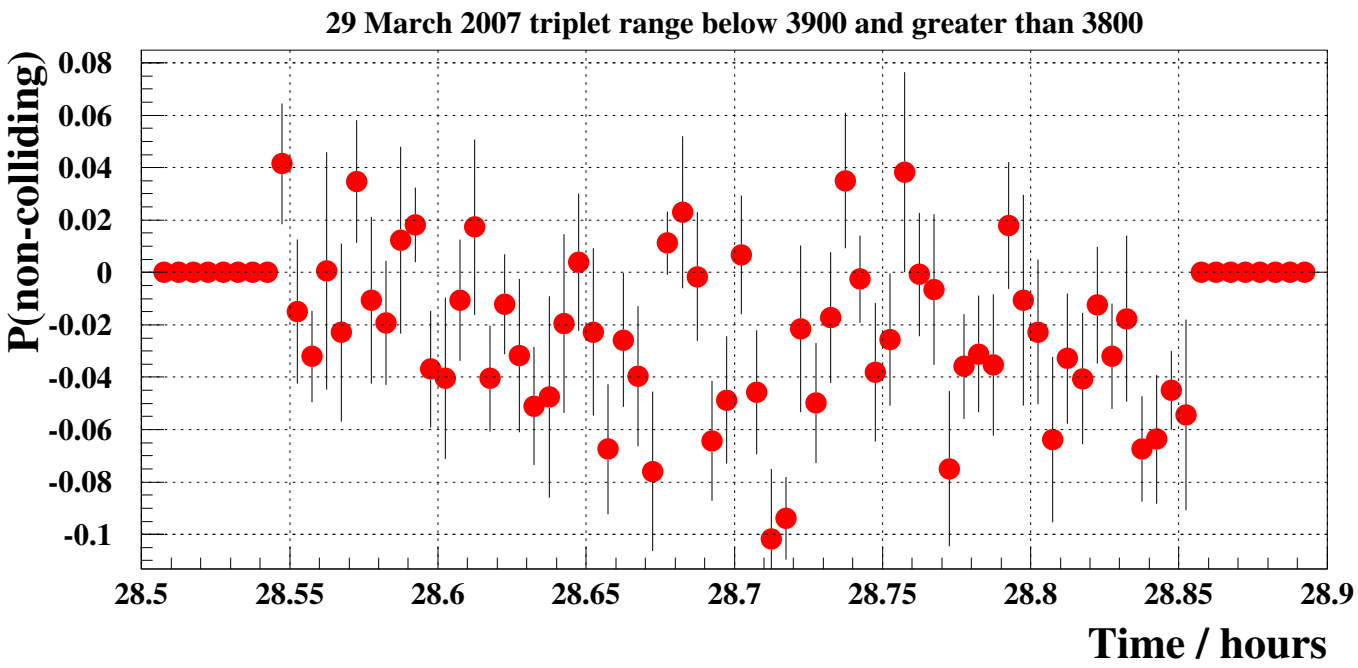

P(colliding)
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
27.6
27.65
27.7
27.75
27.8
27.85
27.9
27.95
time/hour

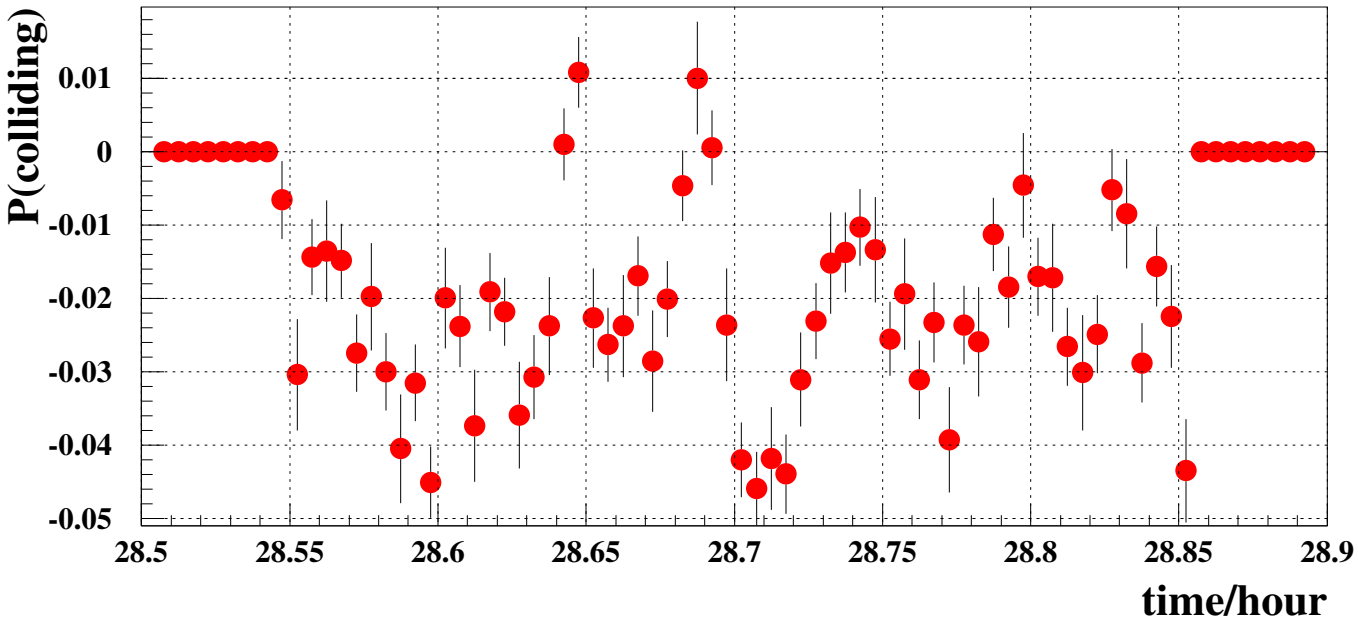

29 March 2007 triplet range below 3700 and greater than 3600
P(non-colliding)
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
27.9
27.95
28
28.05
28.1
28.15
28.2
28.25
Time / hours

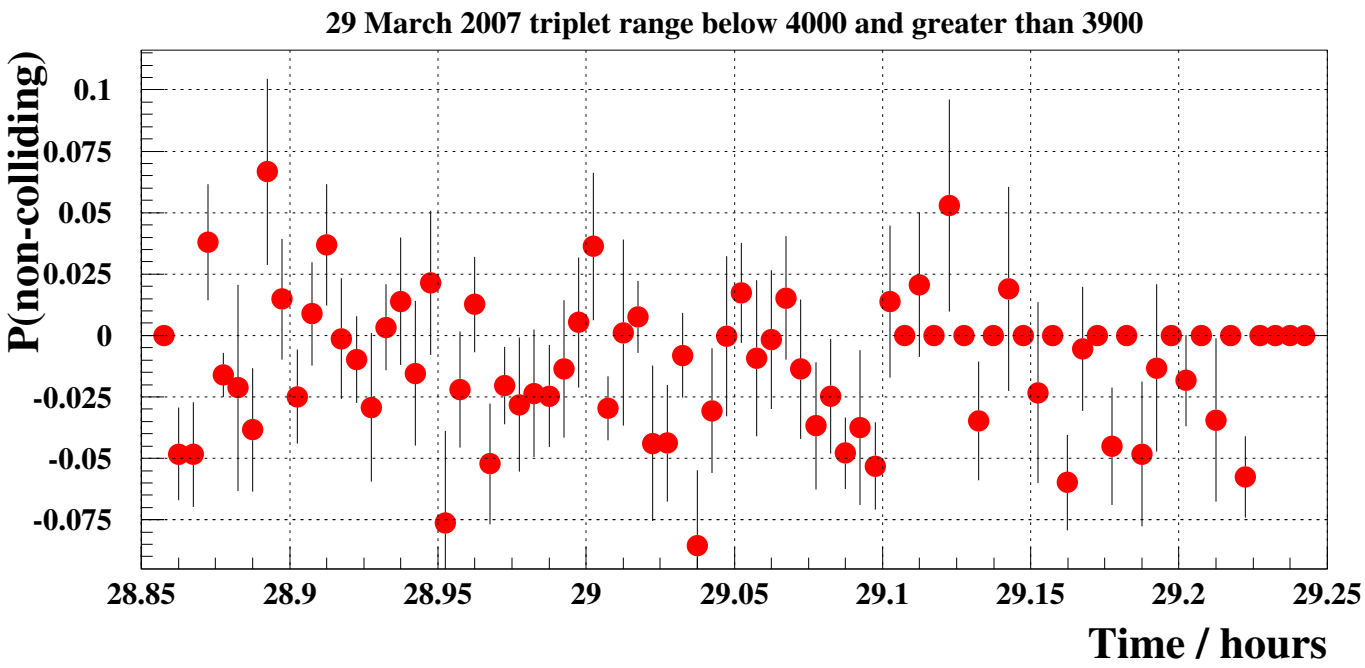

P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
-0.06
-0.07
27.9
27.95
28
28.05
28.1
28.15
28.2
28.25
time/hour

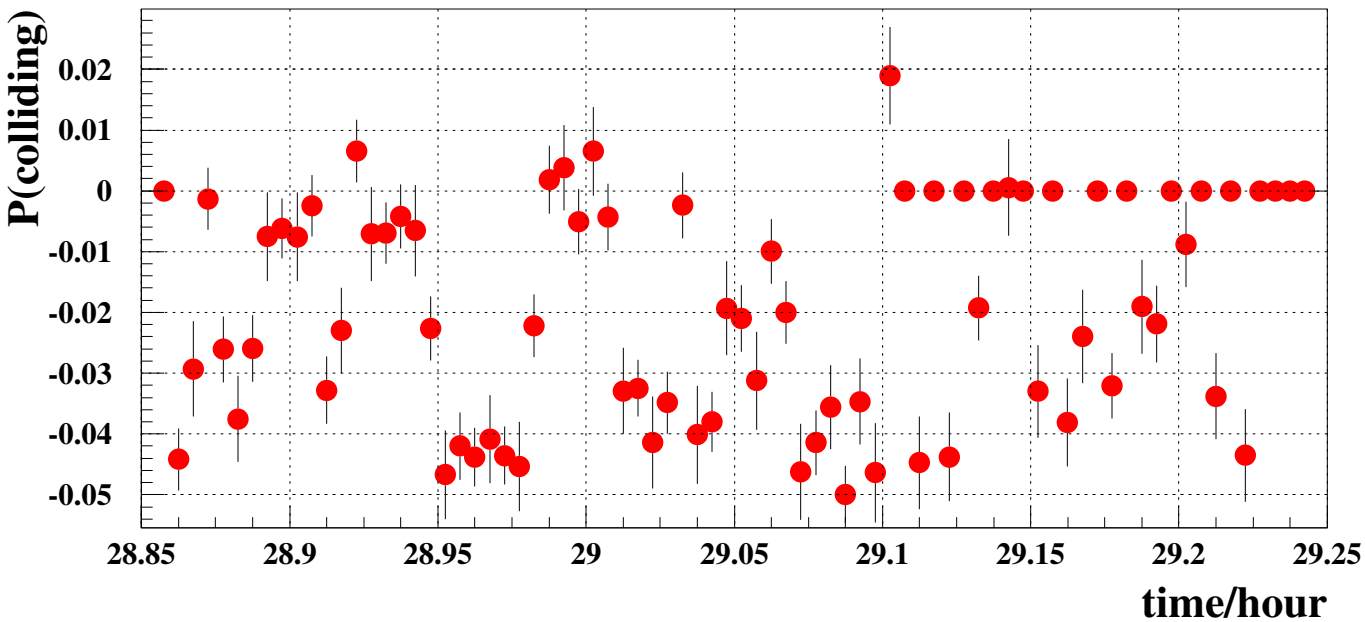

29 March 2007 triplet range below 3800 and greater than 3700
P(non-colliding)
0.075
0.05
0.025
0
-0.025
-0.05
-0.075
-0.1
28.2
28.25
28.3
28.35
28.4
28.45
28.5
28.55
Time / hours


P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
-0.06
28.2
28.25
28.3
28.35
28.4
28.45
28.5
28.55
time/hour


29 March 2007 triplet range below 3900 and greater than 3800
P(non-colliding)
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
28.5
28.55
28.6
28.65
28.7
28.75
28.8
28.85
28.9
Time / hours

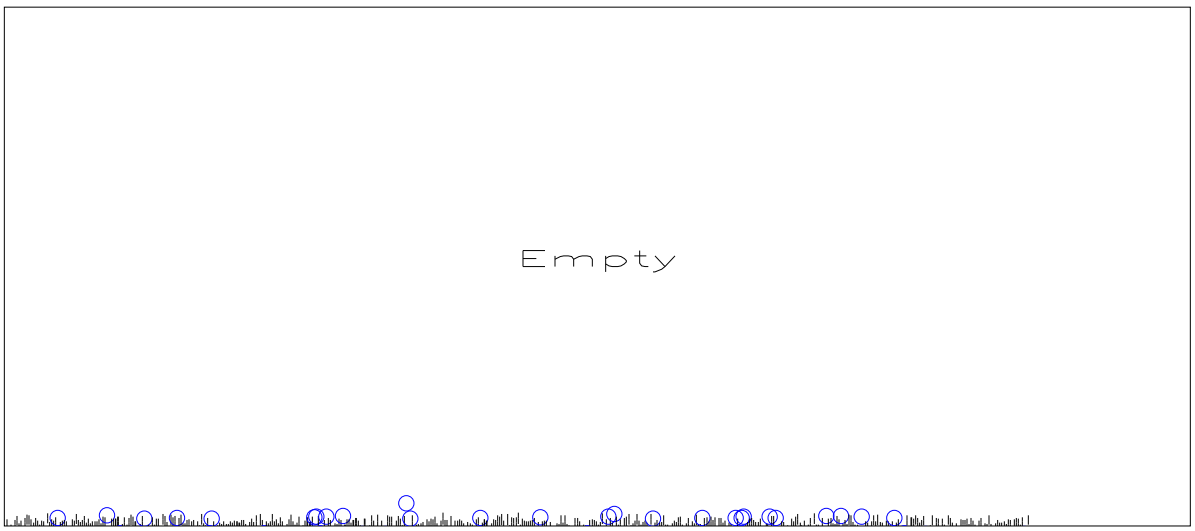

P(colliding)
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
28.5
28.55
28.6
28.65
28.7
28.75
28.8
28.85
28.9
time/hour


29 March 2007 triplet range below 4000 and greater than 3900
P(non-colliding)
0.1
0.075
0.05
0.025
0
-0.025
-0.05
-0.075
28.85
28.9
28.95
29
29.05
29.1
29.15
29.2
29.25
Time / hours


P(colliding)
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
28.85
28.9
28.95
29
29.05
29.1
29.15
29.2
29.25
time/hour

29 March 2007 triplet range below 4100 and greater than 4000

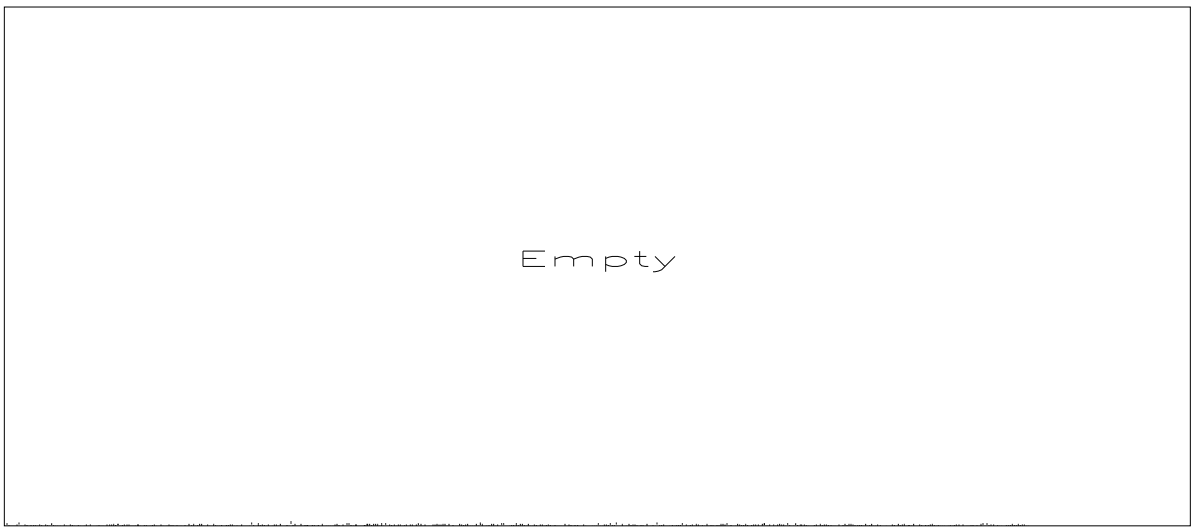
P(non-colliding)



Time / hours

pola VS. (2+(time-15126400.0)/3600)

P(colliding)

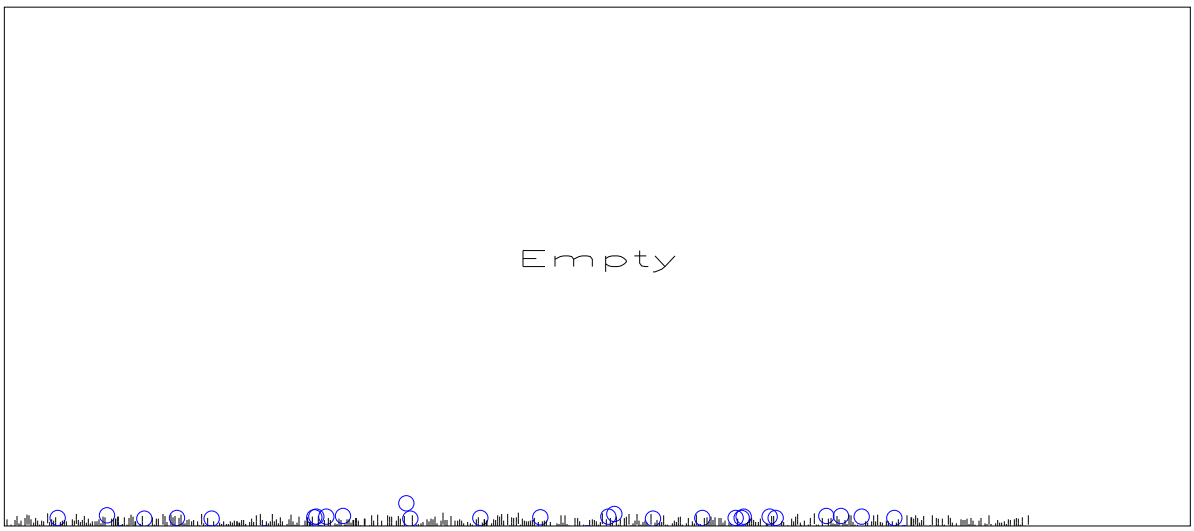


time/hour

pola VS. (2+(time-15126400.0)/3600)

29 March 2007 triplet range below 4200 and greater than 4100

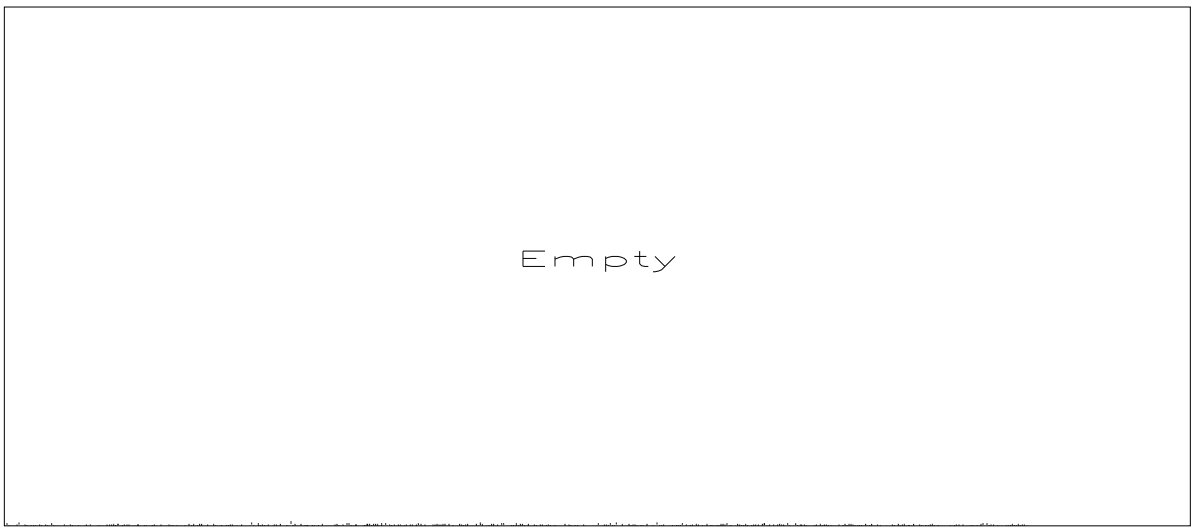
P(non-colliding)



Time / hours

pola VS. (2+(time-15126400.0)/3600)

P(colliding)

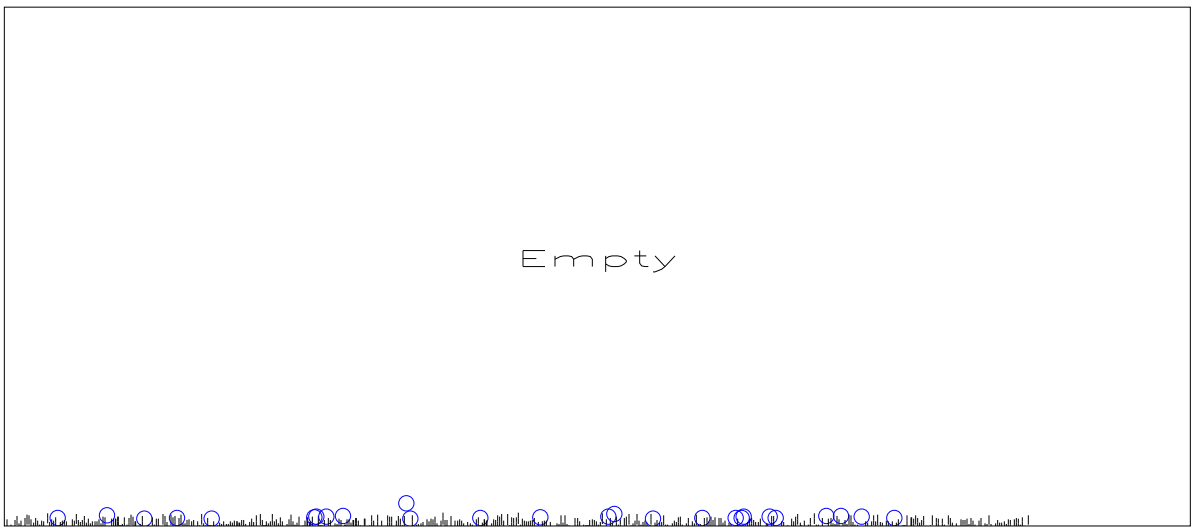


time/hour

pola VS. (2+(time-15126400.0)/3600)

29 March 2007 triplet range below 4300 and greater than 4200

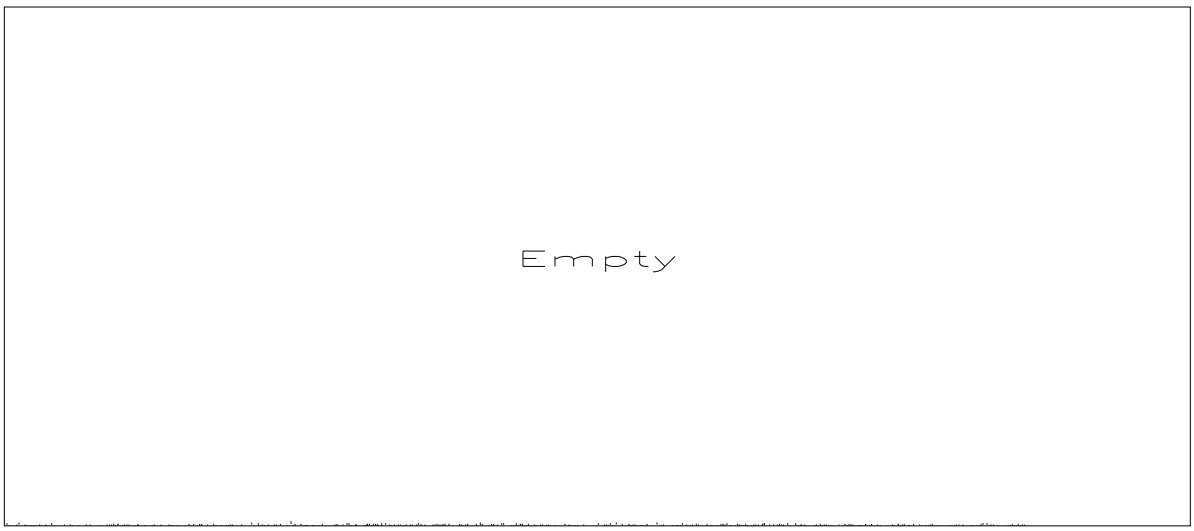
P(non-colliding)



Time / hours

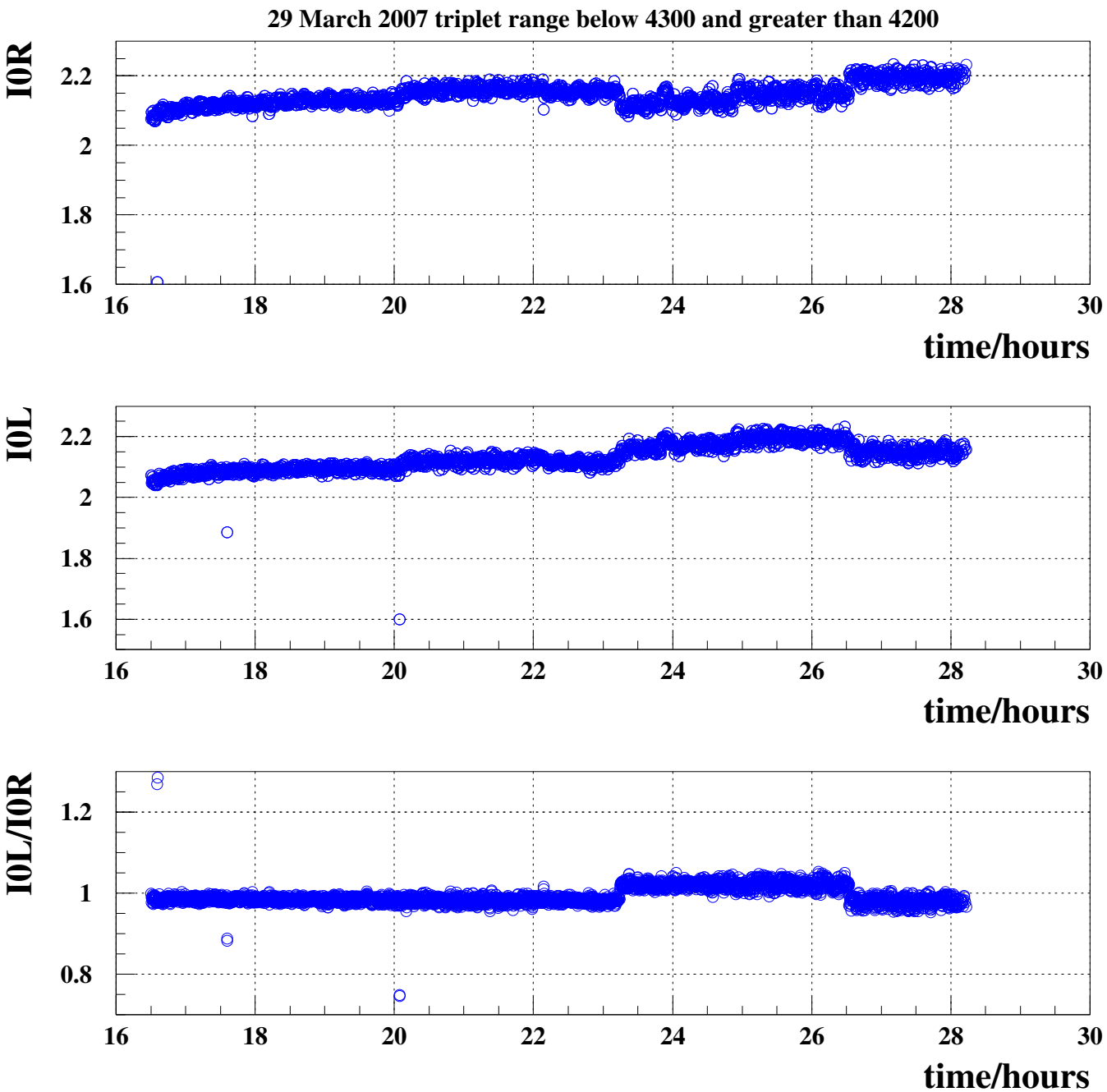
pola VS. (2+(time-15126400.0)/3600)

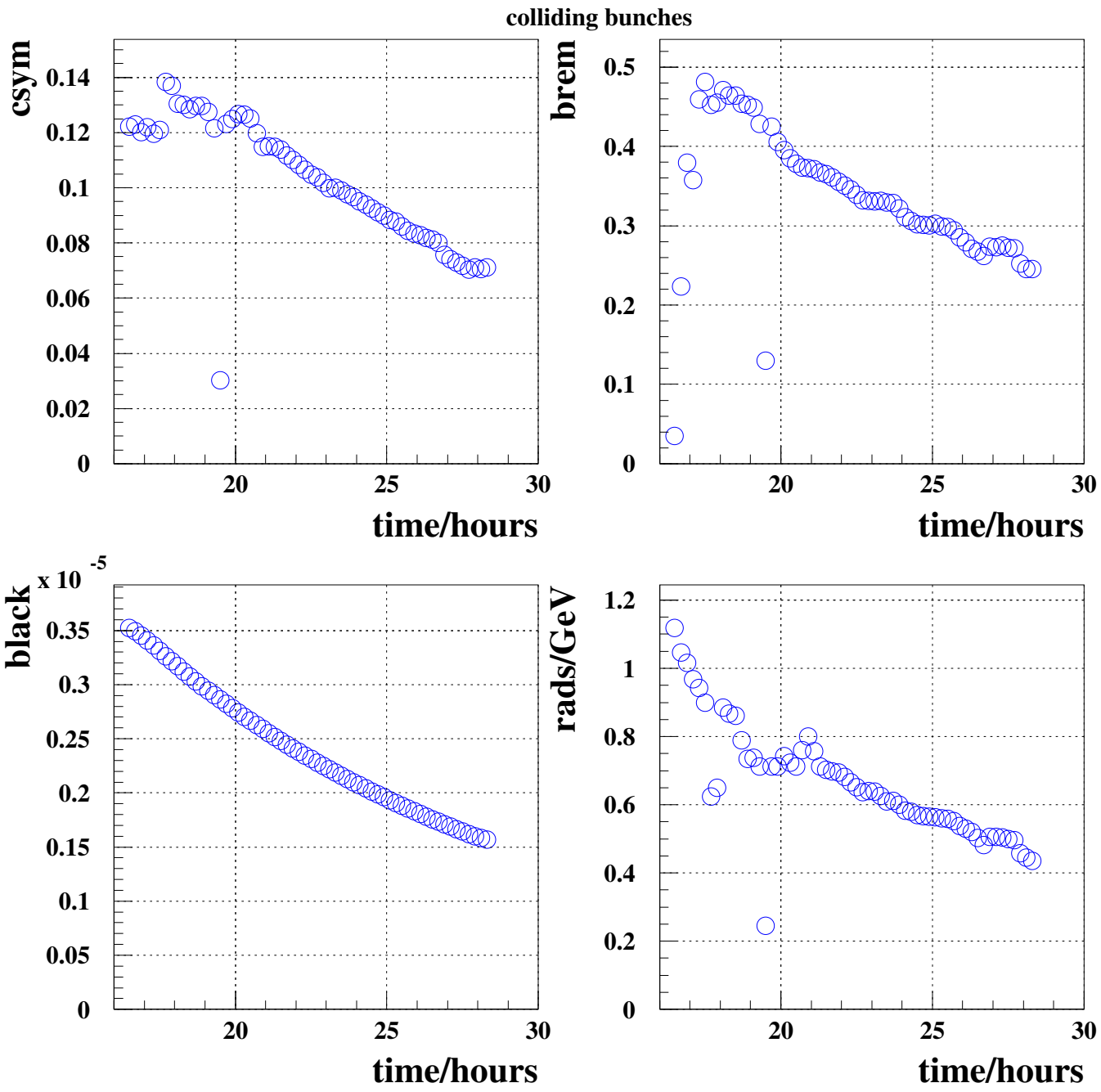
P(colliding)

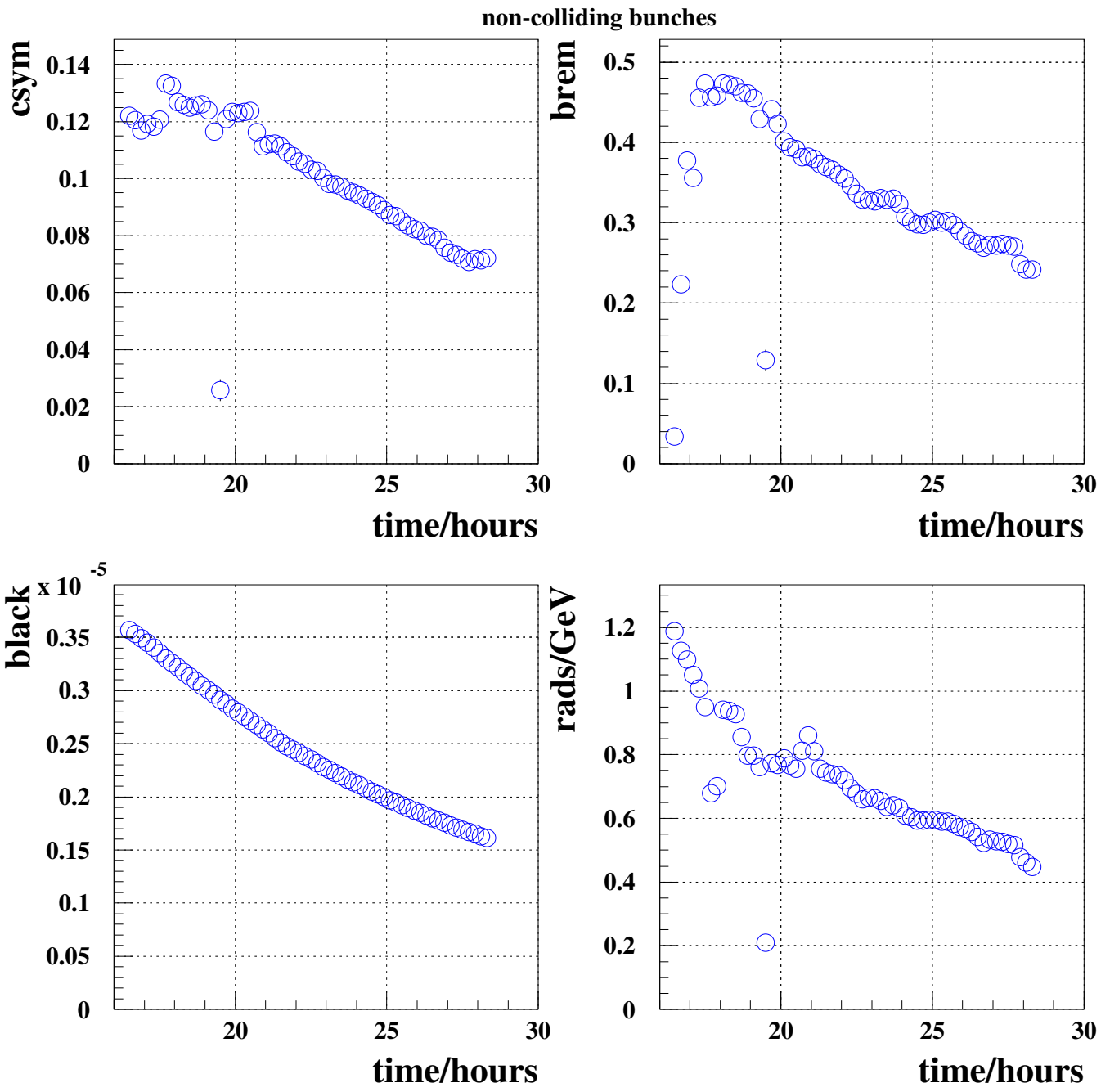


time/hour

pola VS. (2+(time-15126400.0)/3600)


29 March 2007 triplet range below 4300 and greater than 4200
I0R
2.2
2
1.8
1.6
16
18
20
22
24
26
28
30
time/hours
I0L
2.2
2
1.8
1.6
16
18
20
22
24
26
28
30
time/hours
I0L/I0R
1.2
1
0.8
16
18
20
22
24
26
28
30
time/hours


colliding bunches
csym
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
20
25
30
time/hours
brem
0.5
0.4
0.3
0.2
0.1
0
20
25
30
time/hours
black
x 10 -5
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
20
25
30
time/hours
rads/GeV
1.2
1
0.8
0.6
0.4
0.2
0
20
25
30
time/hours


non-colliding bunches
csym
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
20
25
30
time/hours
brem
0.5
0.4
0.3
0.2
0.1
0
20
25
30
time/hours
black
x 10 -5
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
20
25
30
time/hours
rads/GeV
1.2
1
0.8
0.6
0.4
0.2
0
20
25
30
time/hours