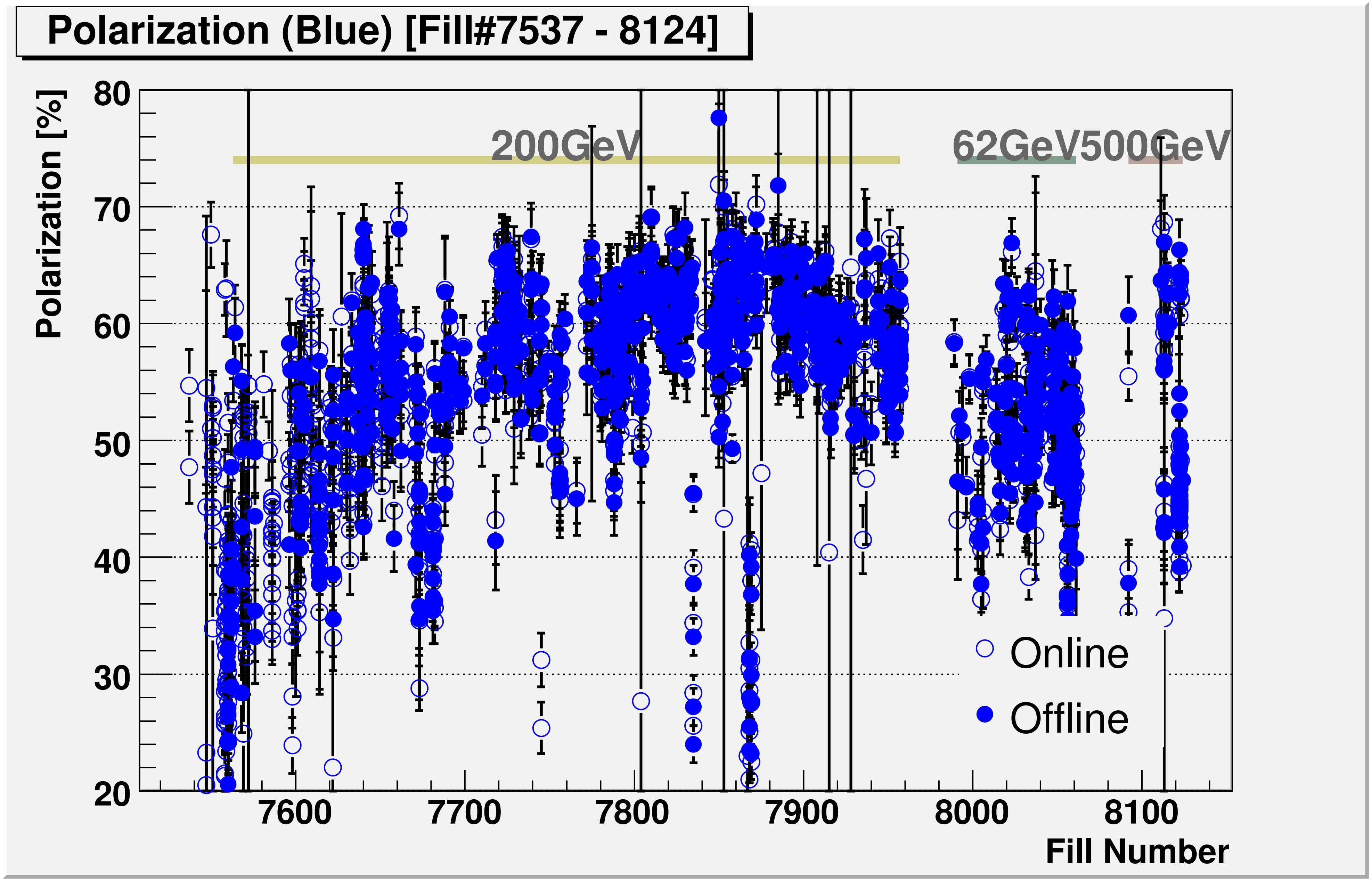
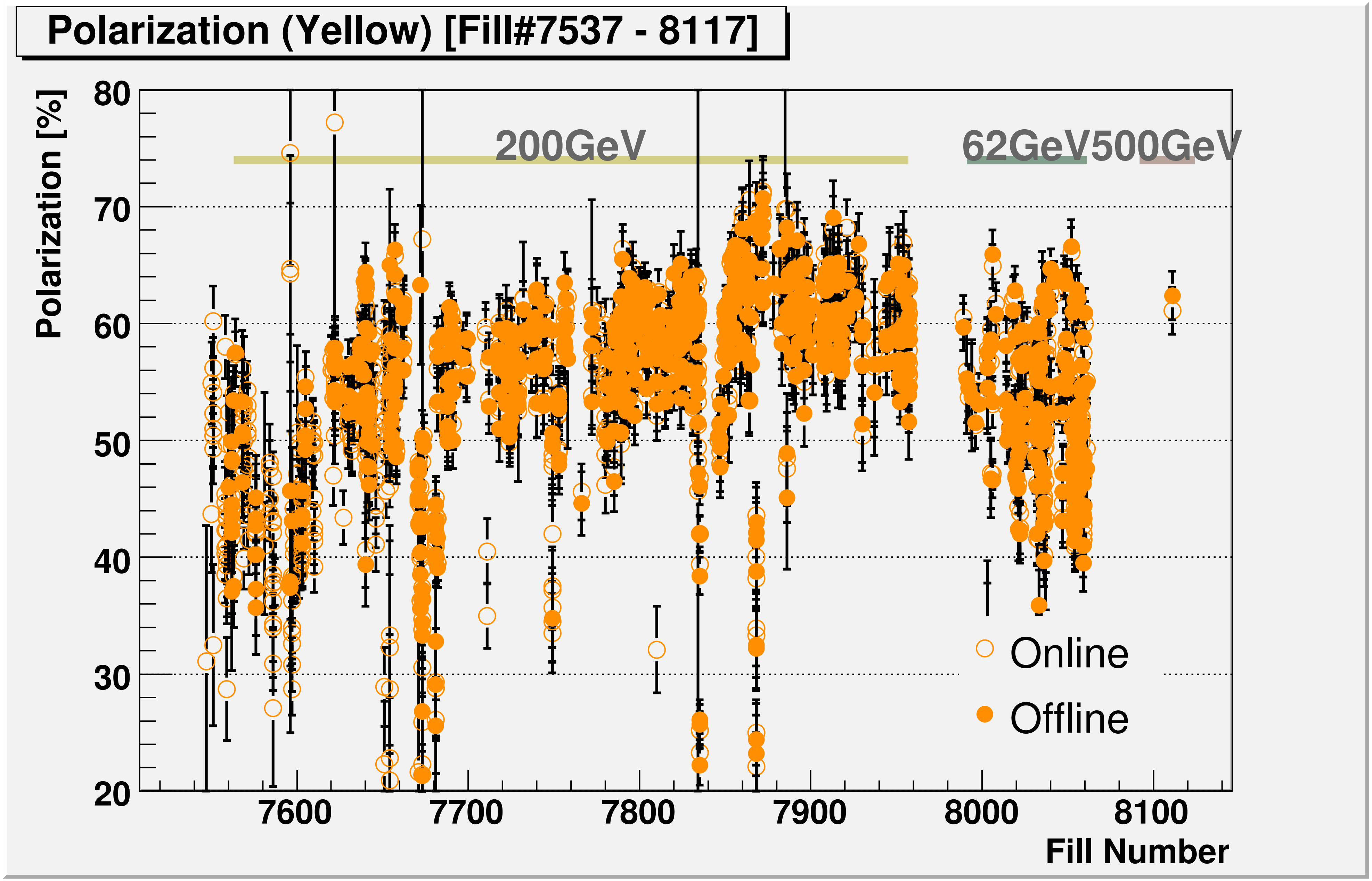
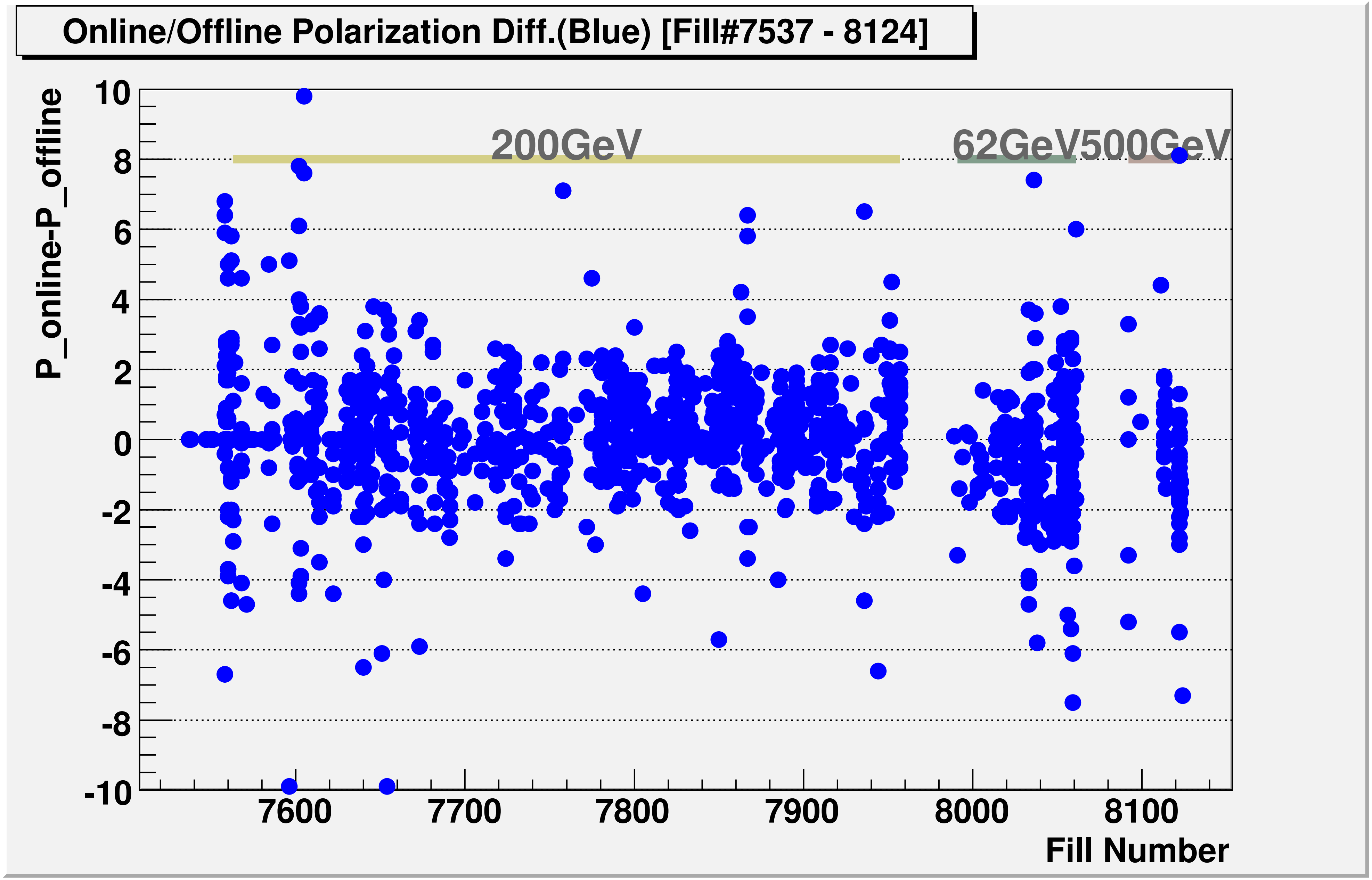
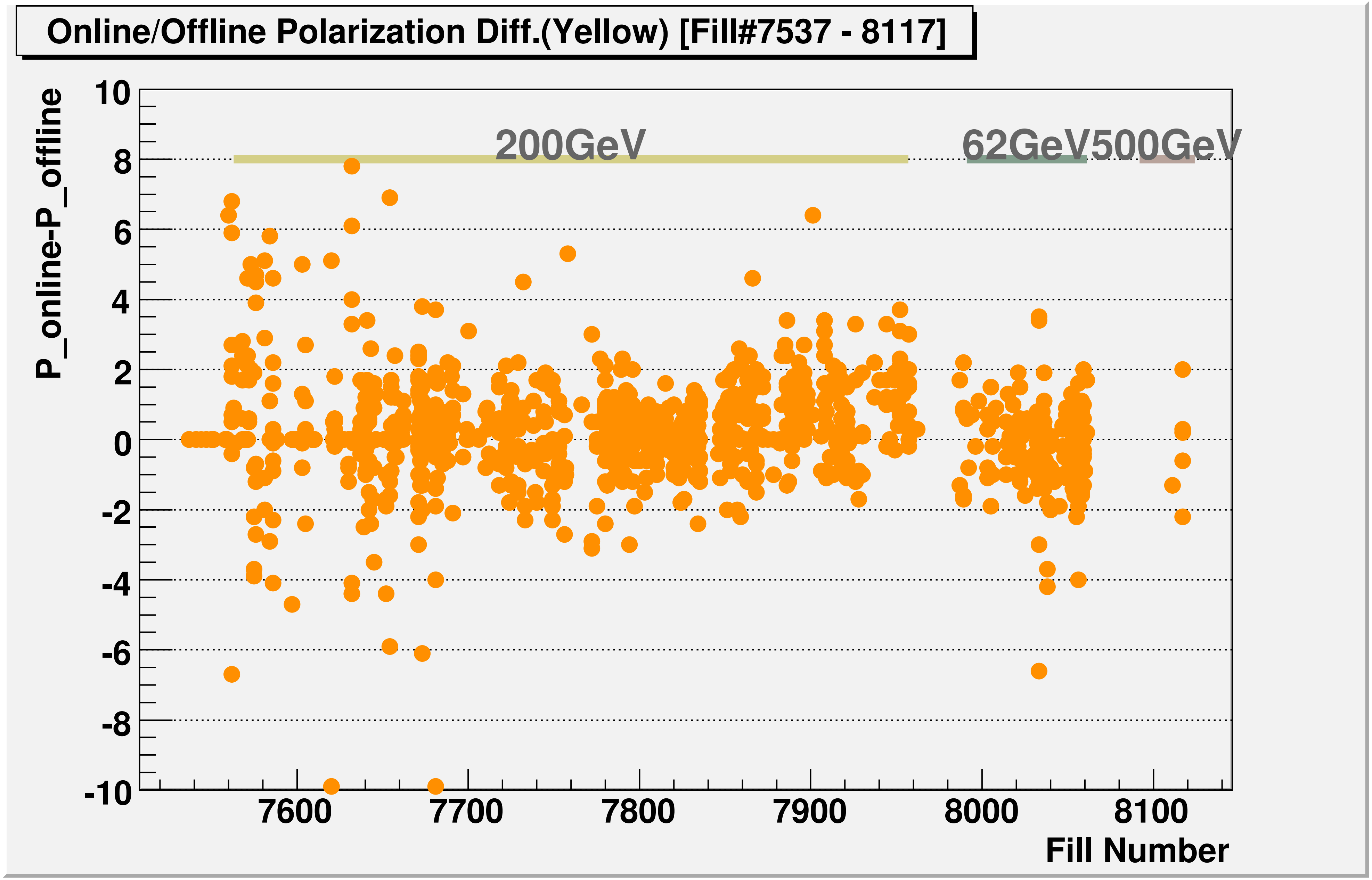


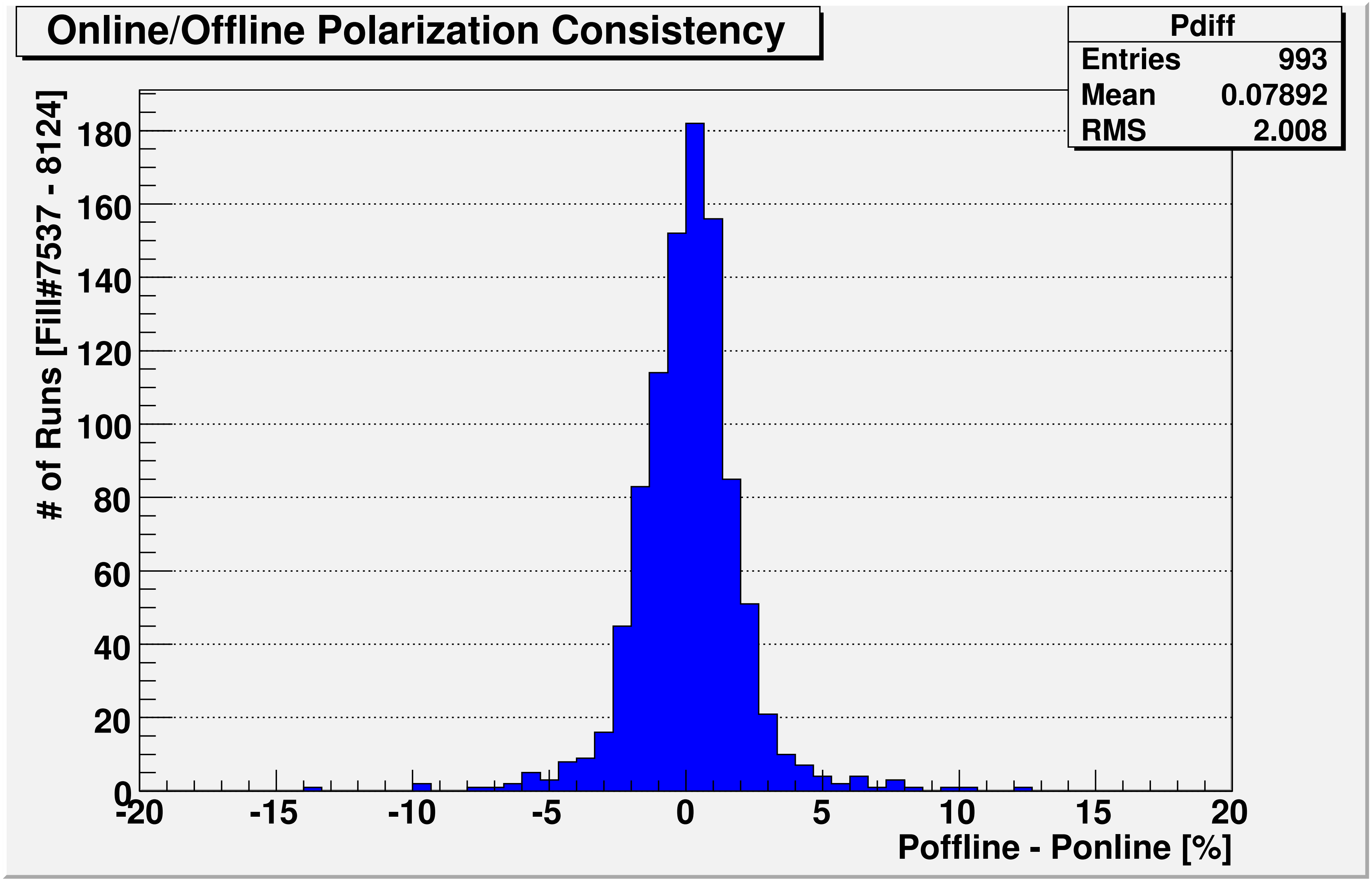
Polarization (Blue) [Fill#7537 - 8124]
Polarization [%]
80
70
60
50
40
30
20
200GeV
62GeV
500GeV
Online
Offline
7600
7700
7800
7900
8000
8100
Fill Number



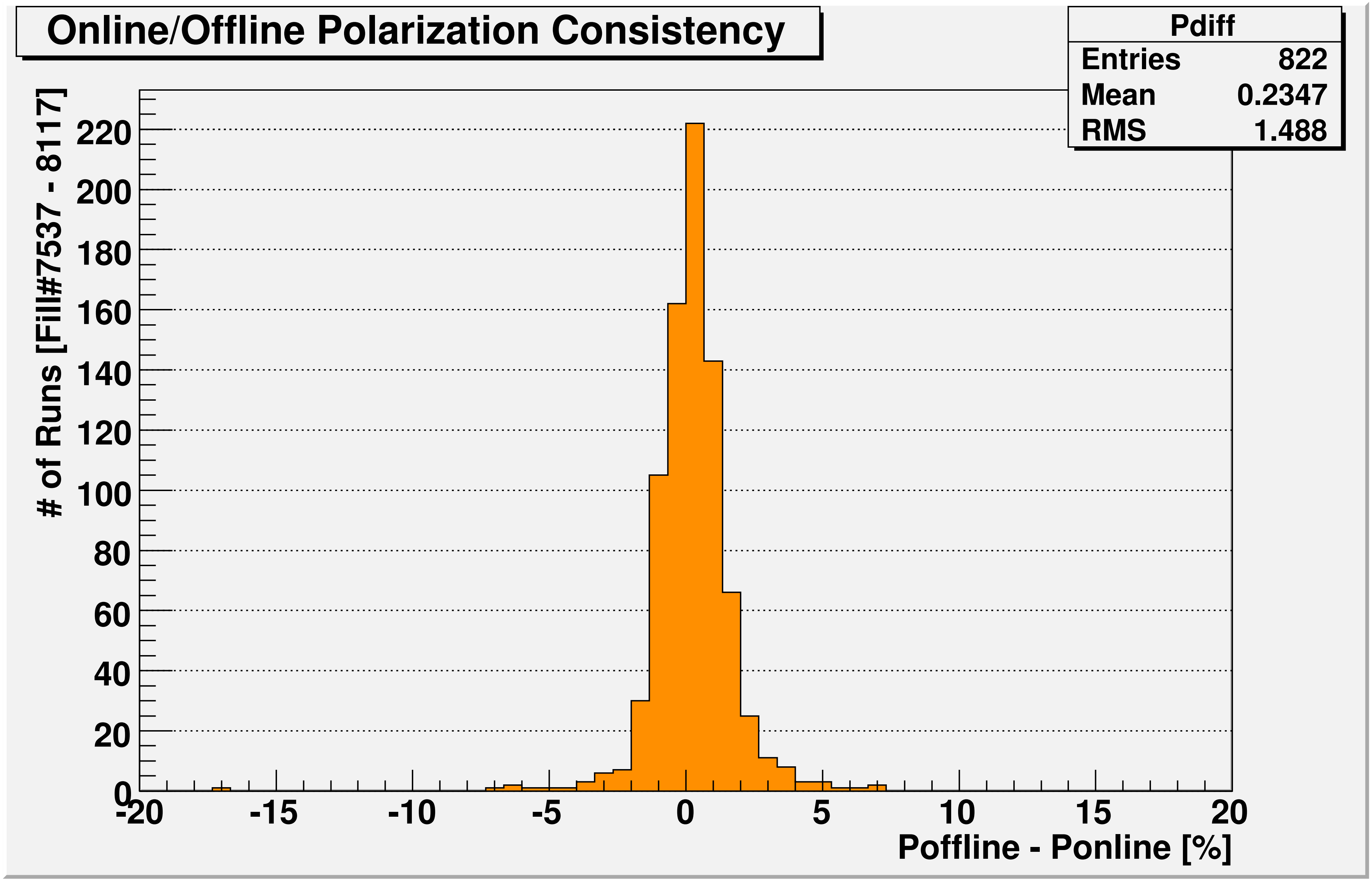
Polarization (Yellow) [Fill#7537 - 8117]
Polarization [%]
80
70
60
50
40
30
20
200GeV
62GeV
500GeV
Online
Offline
7600
7700
7800
7900
8000
8100
Fill Number

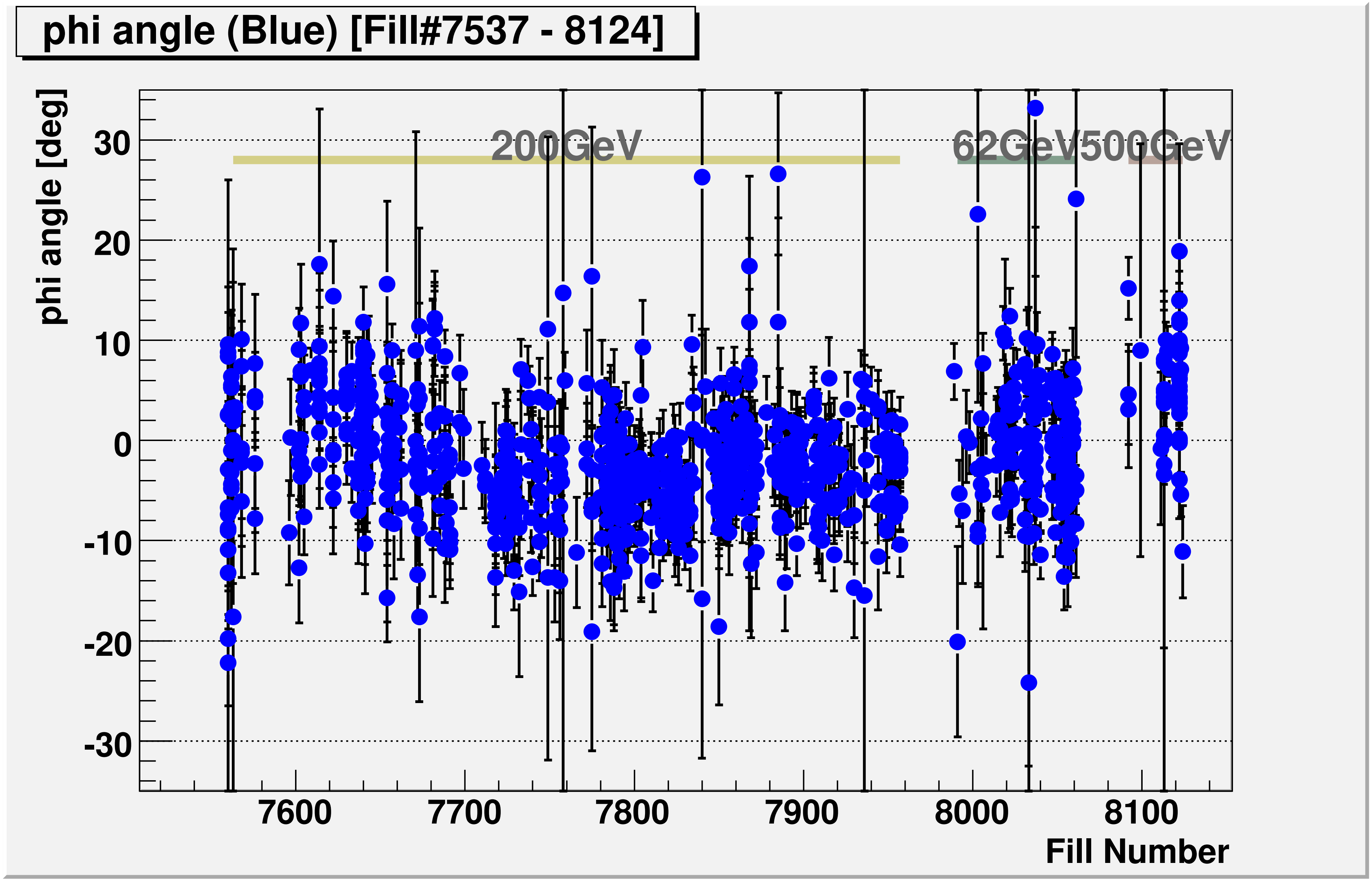

Online/Offline Polarization Diff.(Blue) [Fill#7537 - 8124]
P_online-P_offline
200GeV
62GeV
500GeV
10
8
6
4
2
0
-2
-4
-6
-8
-10
7600
7700
7800
7900
8000
8100
Fill Number


Online/Offline Polarization Diff.(Yellow) [Fill#7537 - 8117]
P_online-P_offline
10
8
6
4
2
0
-2
-4
-6
-8
-10
200GeV
62GeV
500GeV
7600
7700
7800
7900
8000
8100
Fill Number

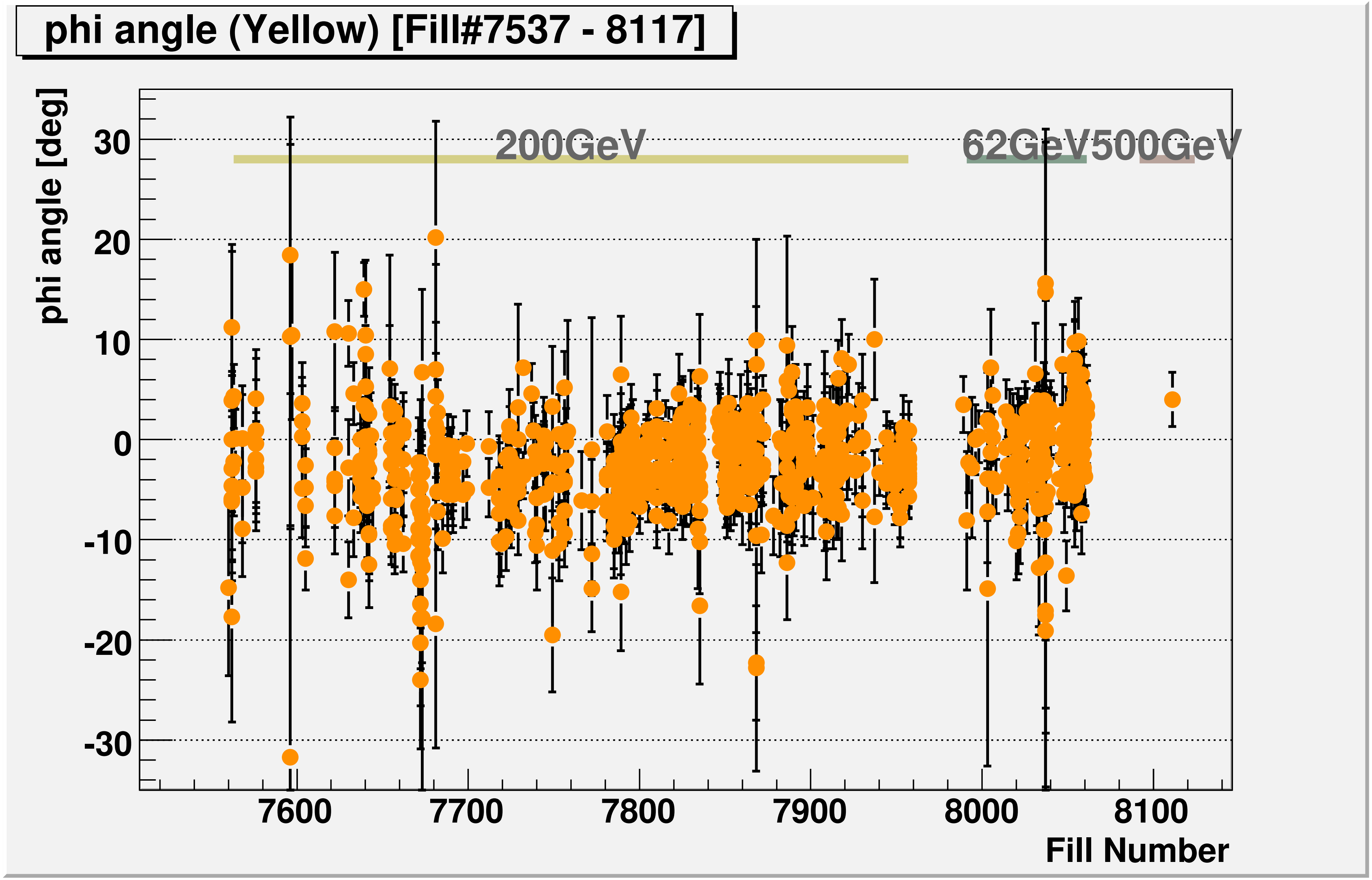


Online/Offline Polarization Consistency
Pdiff
Entries 993
Mean 0.07892
RMS 2.008
# of Runs [Fill#7537 - 8124]
0
20
40
60
80
100
120
140
160
180
-20
-15
-10
-5
0
5
10
15
20
Poffline - Ponline [%]

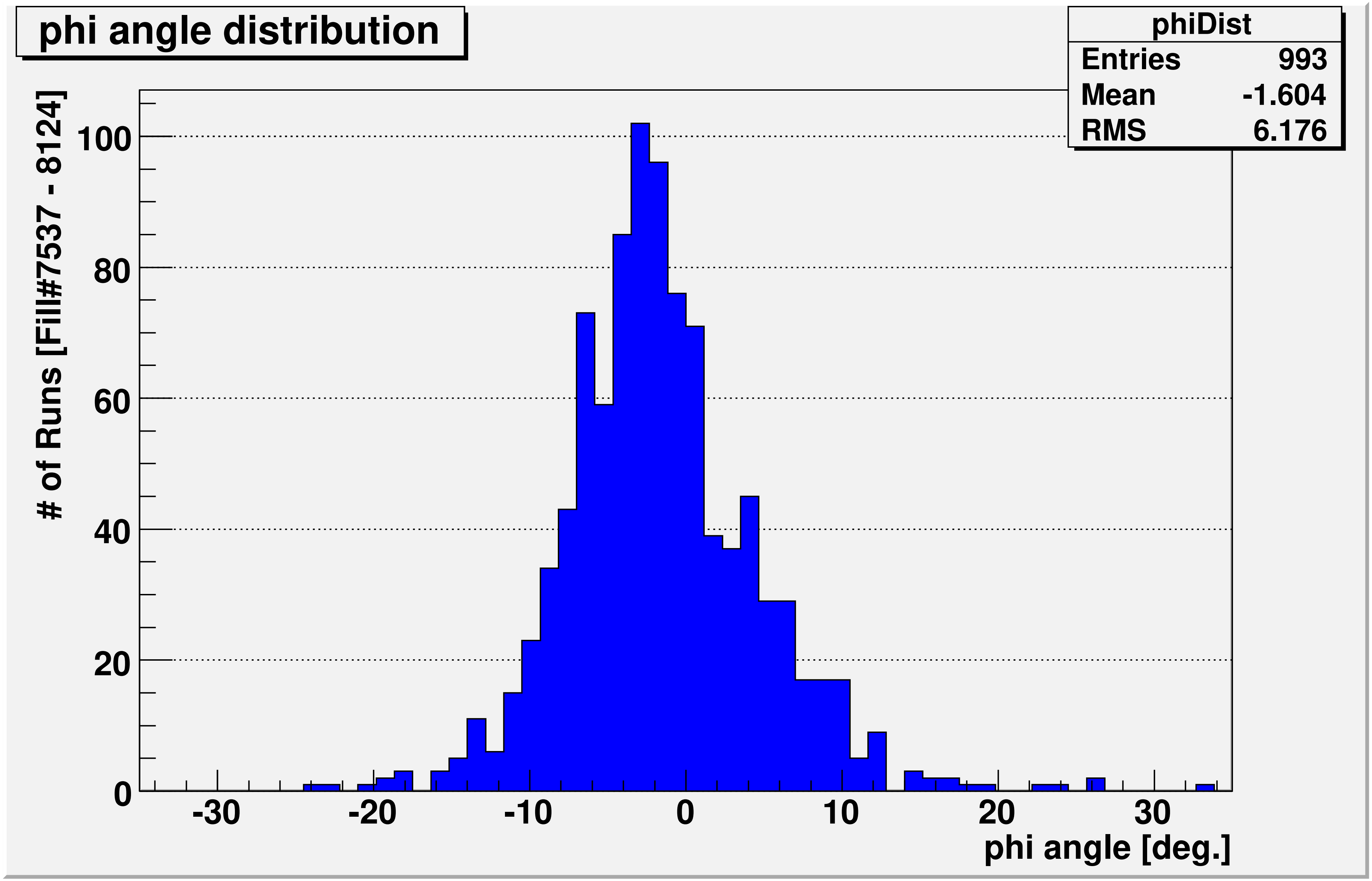

Online/Offline Polarization Consistency
Pdiff
Entries 822
Mean 0.2347
RMS 1.488
# of Runs [Fill#7537 - 8117]
0
20
40
60
80
100
120
140
160
180
200
220
-20
-15
-10
-5
0
5
10
15
20
Poffline - Ponline [%]

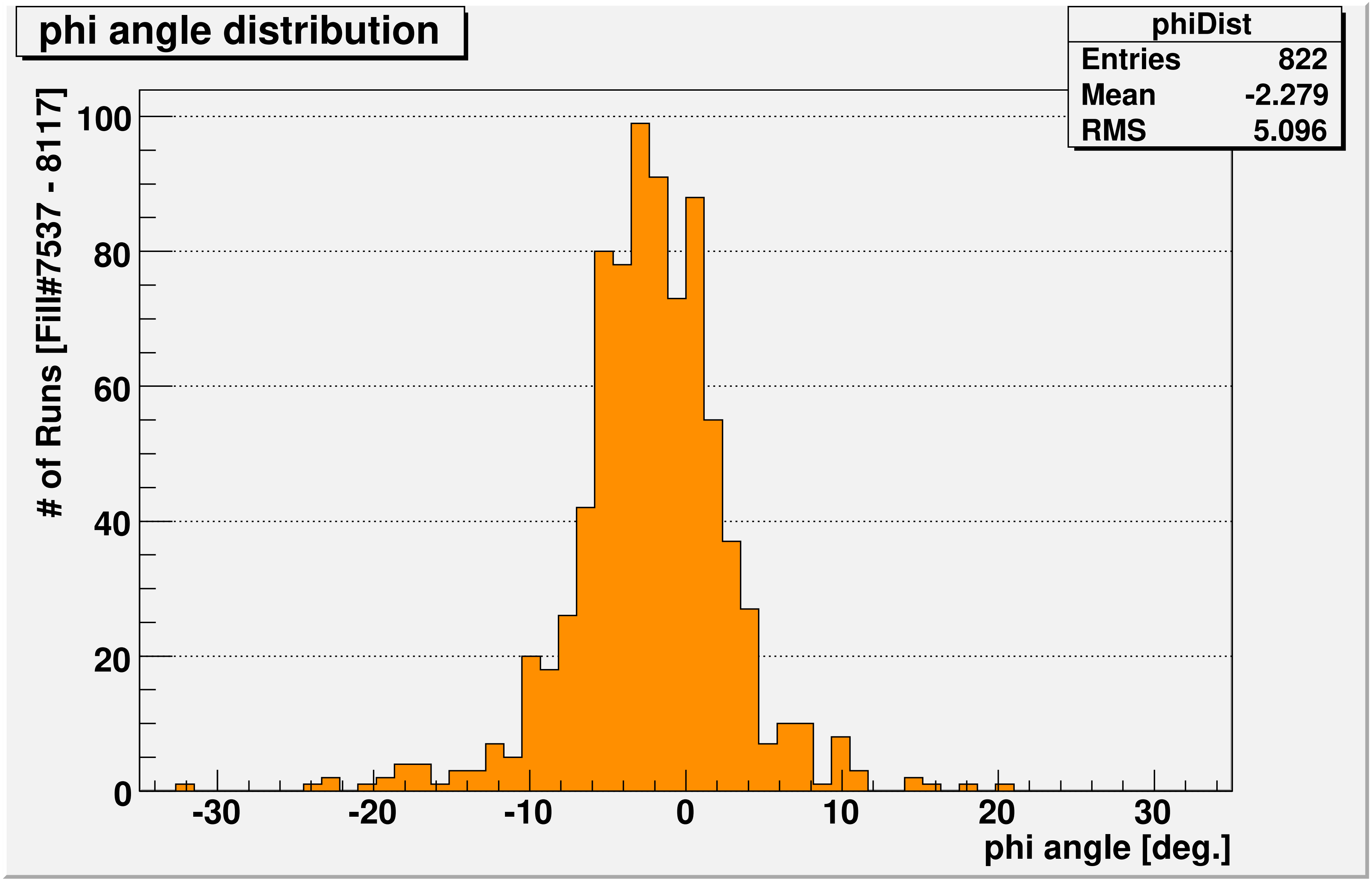


phi angle (Blue) [Fill#7537 - 8124]
phi angle [deg]
200GeV
62GeV
500GeV
30
20
10
0
-10
-20
-30
7600
7700
7800
7900
8000
8100
Fill Number

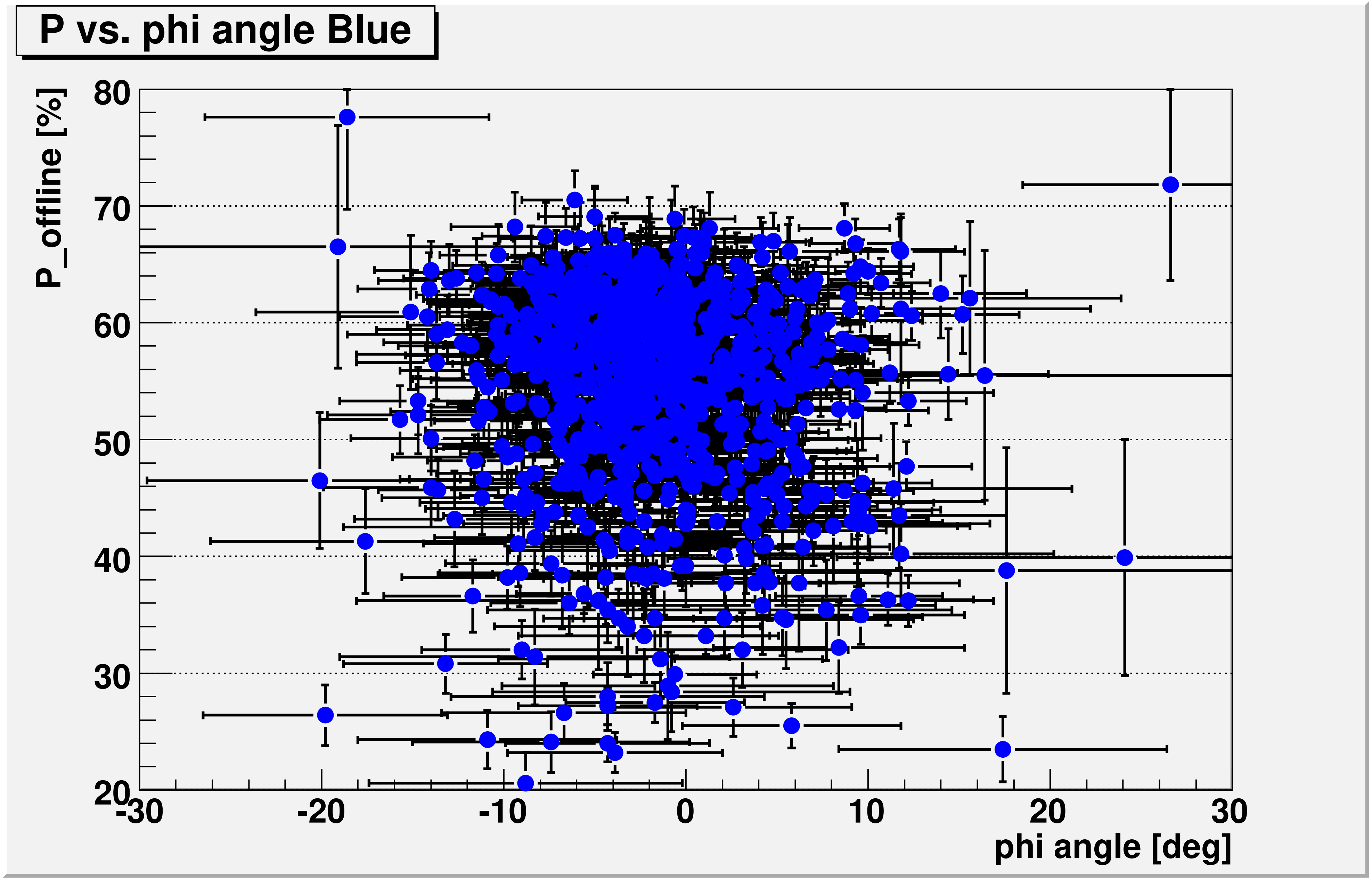


phi angle (Yellow) [Fill#7537 - 8117]
phi angle [deg]
200GeV
62GeV
500GeV
30
20
10
0
-10
-20
-30
7600
7700
7800
7900
8000
8100
Fill Number

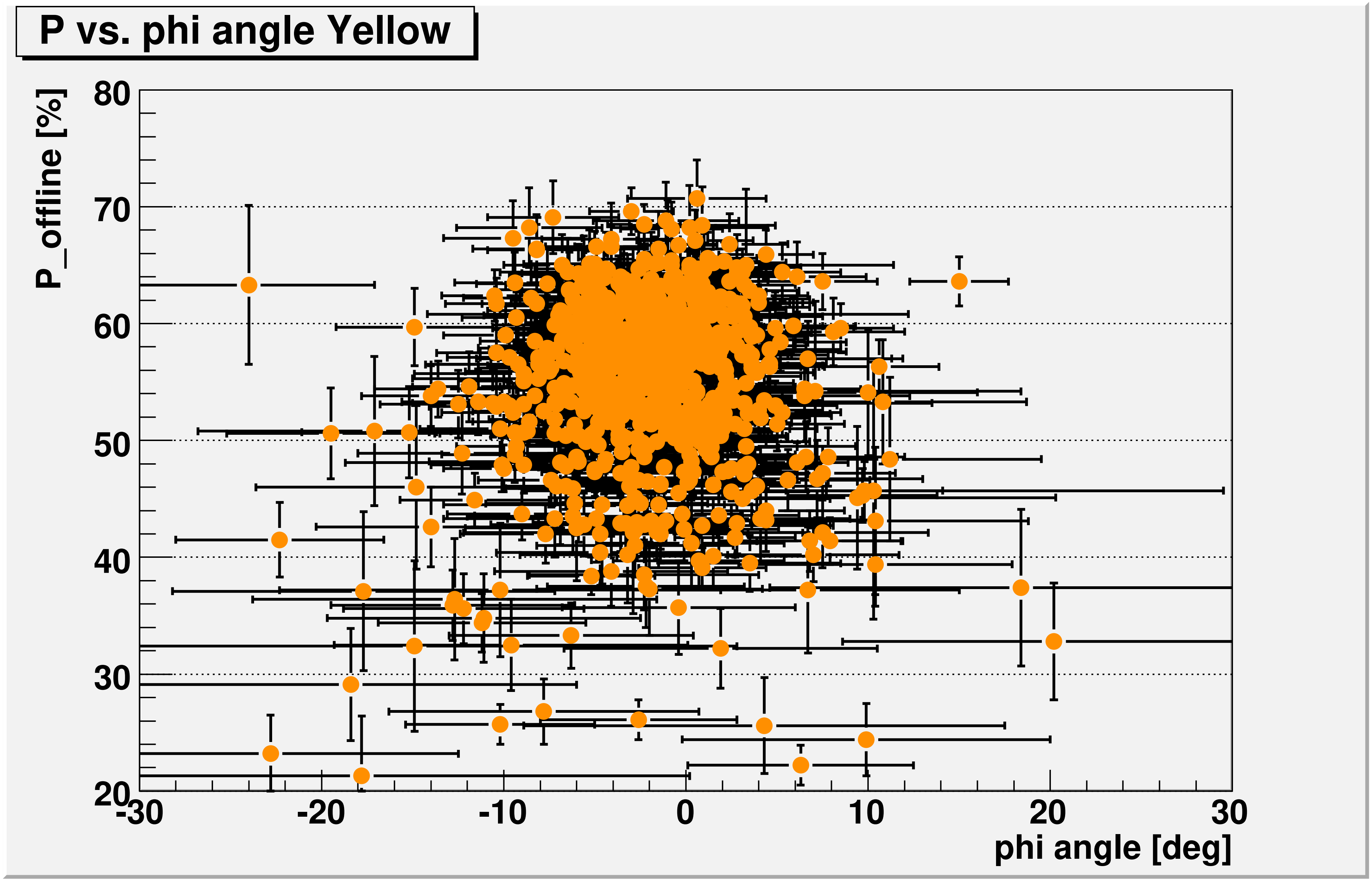

phi angle distribution
phiDist
Entries 993
Mean -1.604
RMS 6.176
# of Runs [Fill#7537 - 8124]
0
20
40
60
80
100
-30
-20
-10
0
10
20
30
phi angle [deg.]

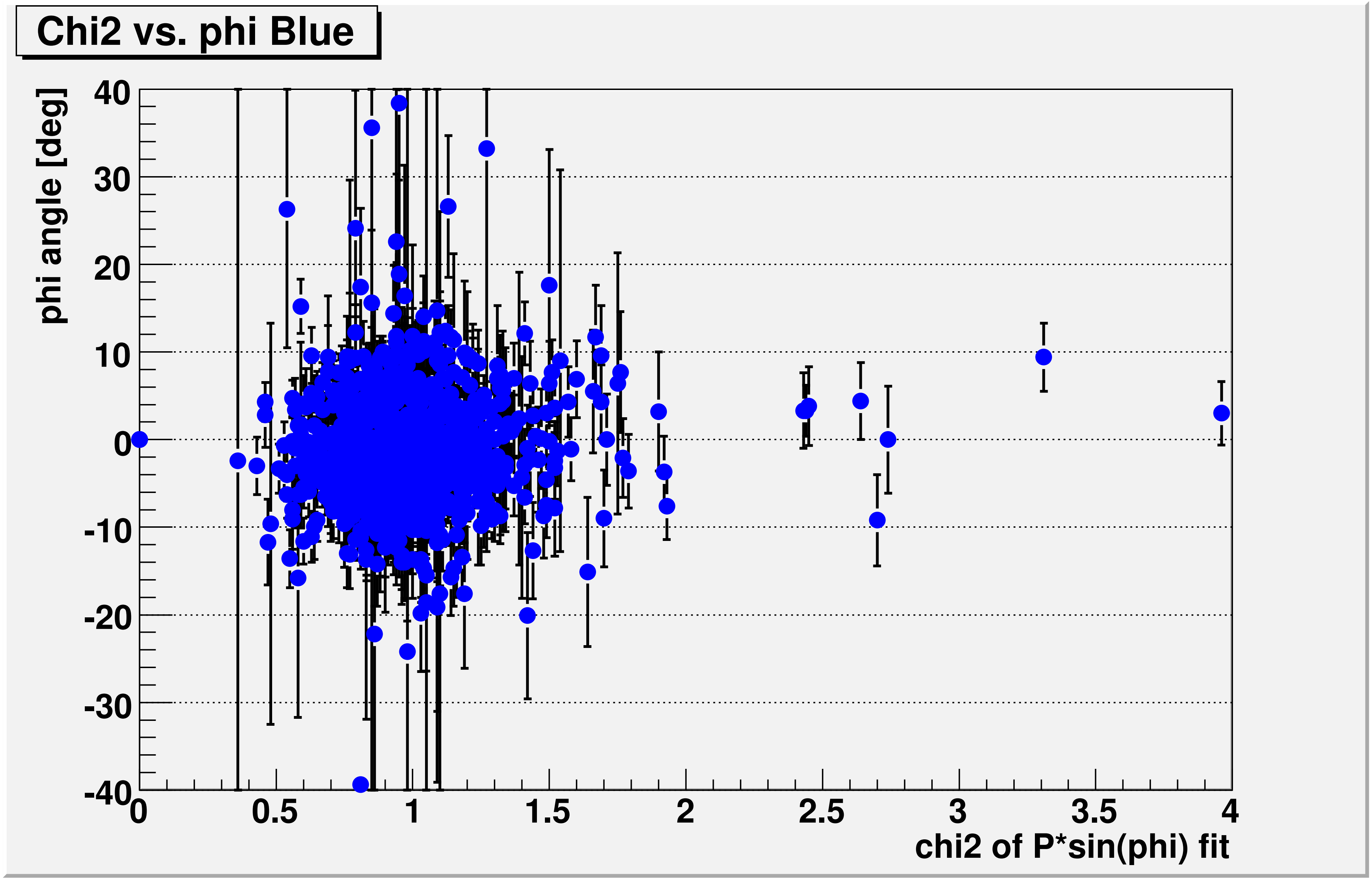


phi angle distribution
phiDist
Entries 822
Mean -2.279
RMS 5.096
# of Runs [Fill#7537 - 8117]
100
80
60
40
20
0
-30
-20
-10
0
10
20
30
phi angle [deg.]

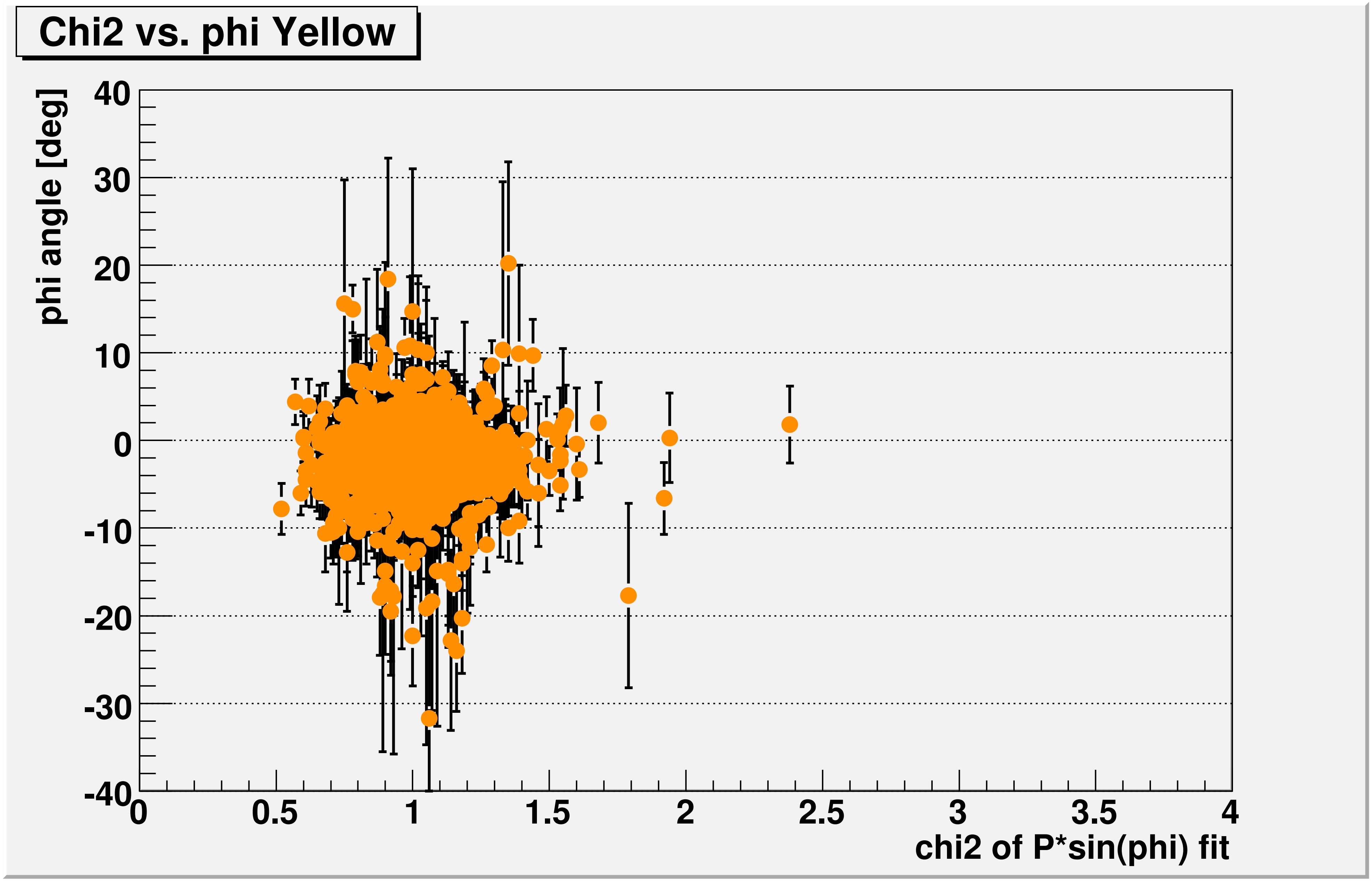


P vs. phi angle Blue
P_offline [%]
80
70
60
50
40
30
20
-30
-20
-10
0
10
20
30
phi angle [deg]

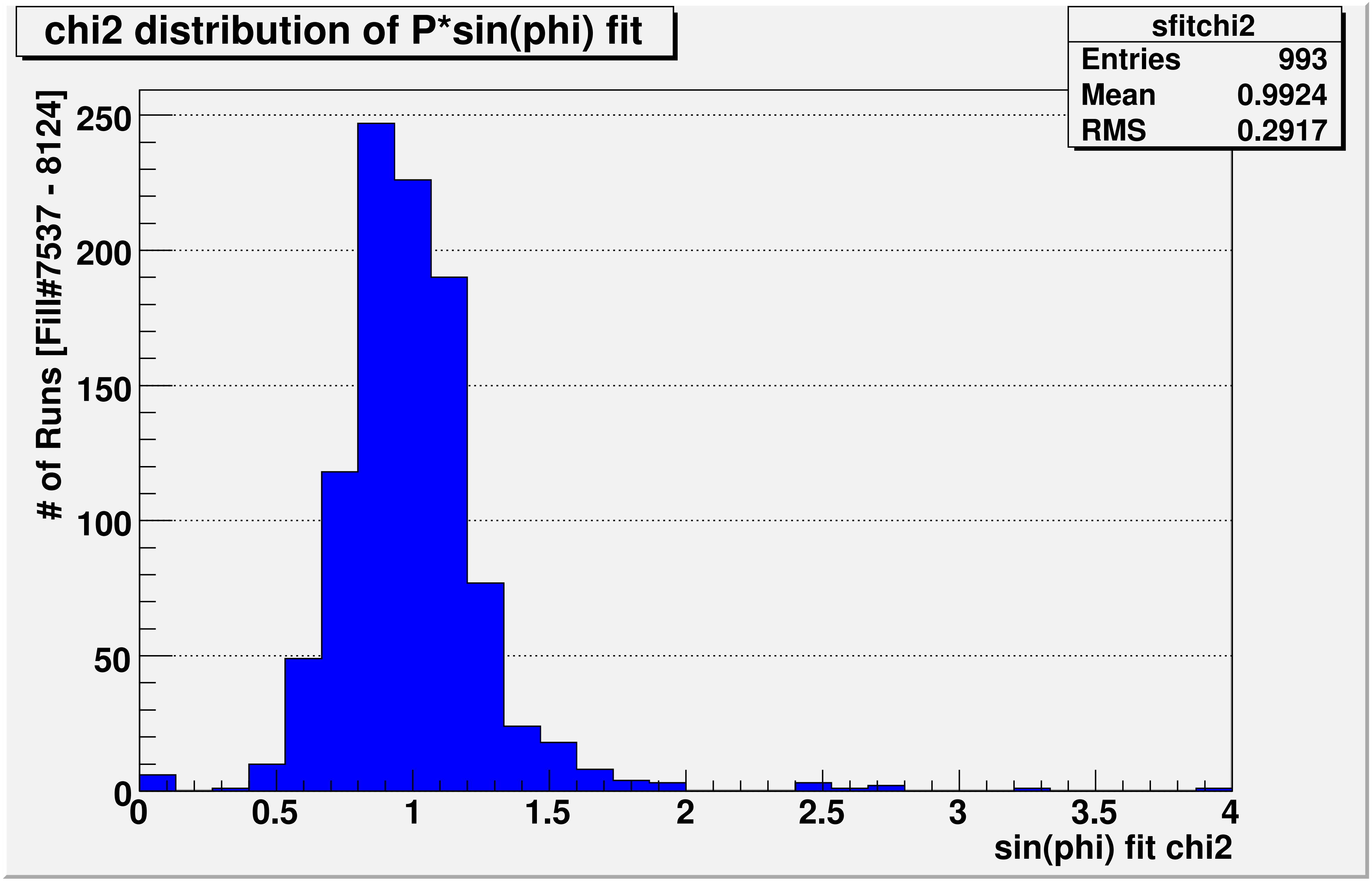

P vs. phi angle Yellow
P_offline [%]
80
70
60
50
40
30
20
-30
-20
-10
0
10
20
30
phi angle [deg]



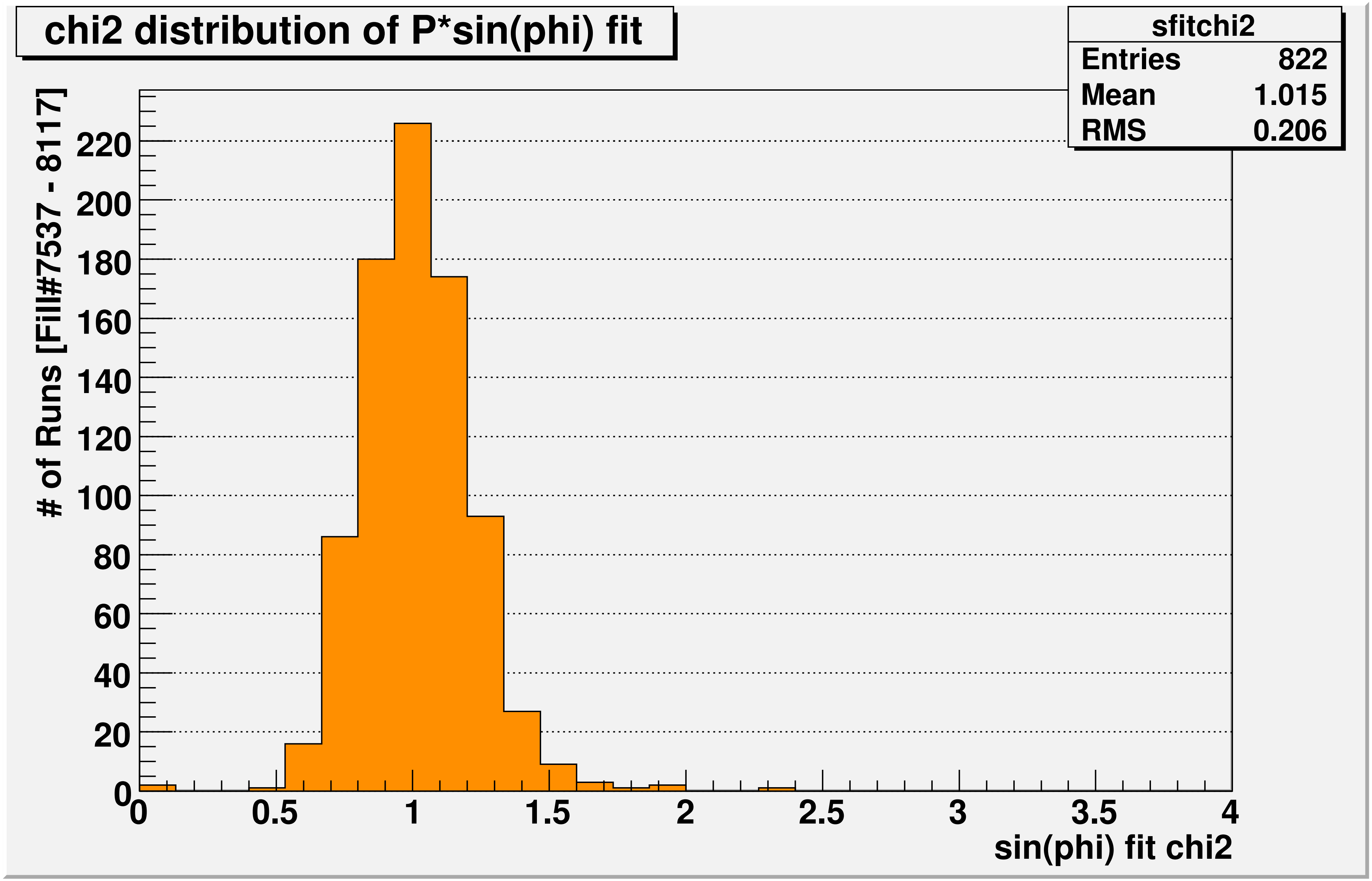
Chi2 vs. phi Blue
phi angle [deg]
40
30
20
10
0
-10
-20
-30
-40
0
0.5
1
1.5
2
2.5
3
3.5
4
chi2 of P*sin(phi) fit

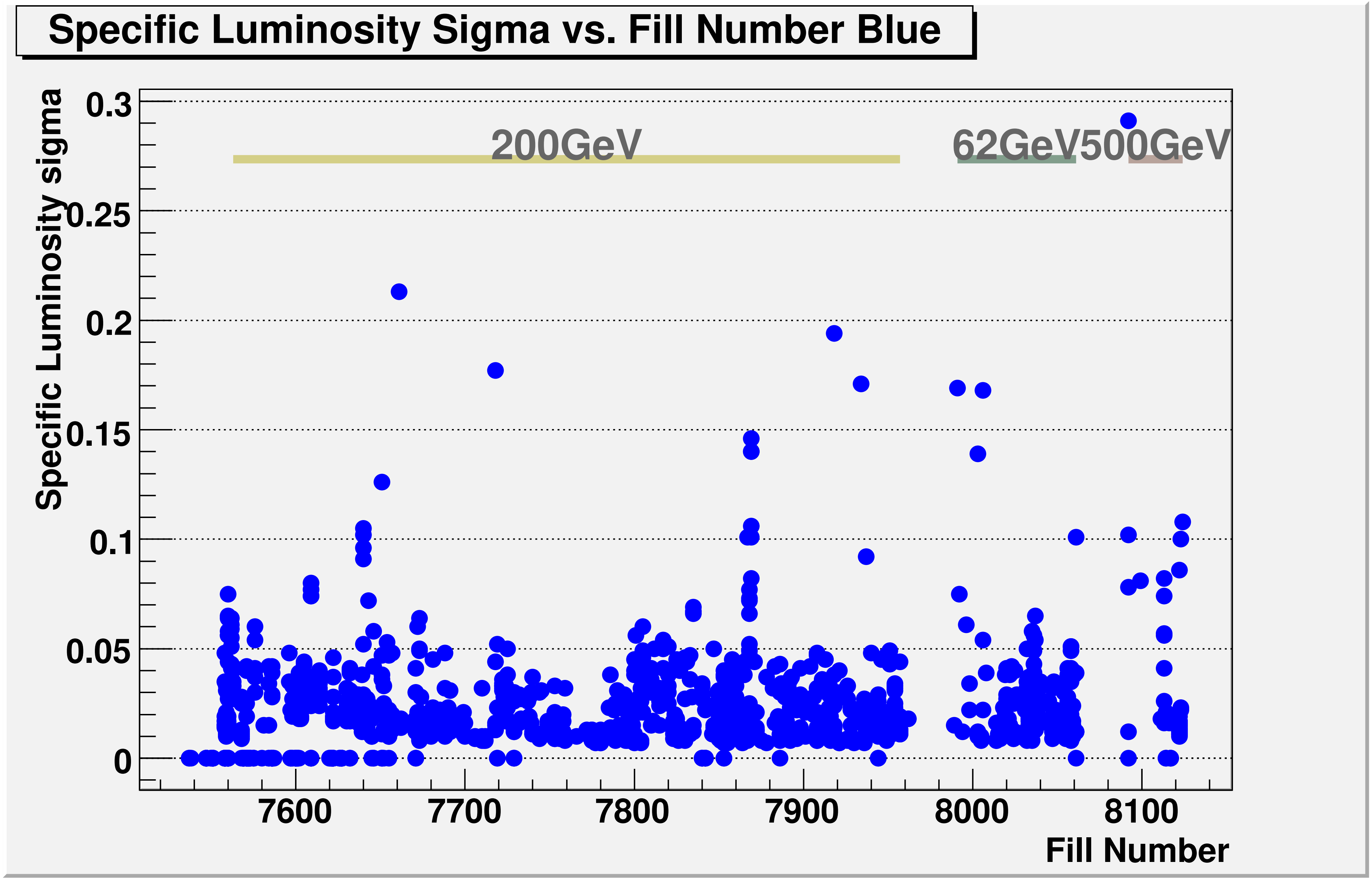


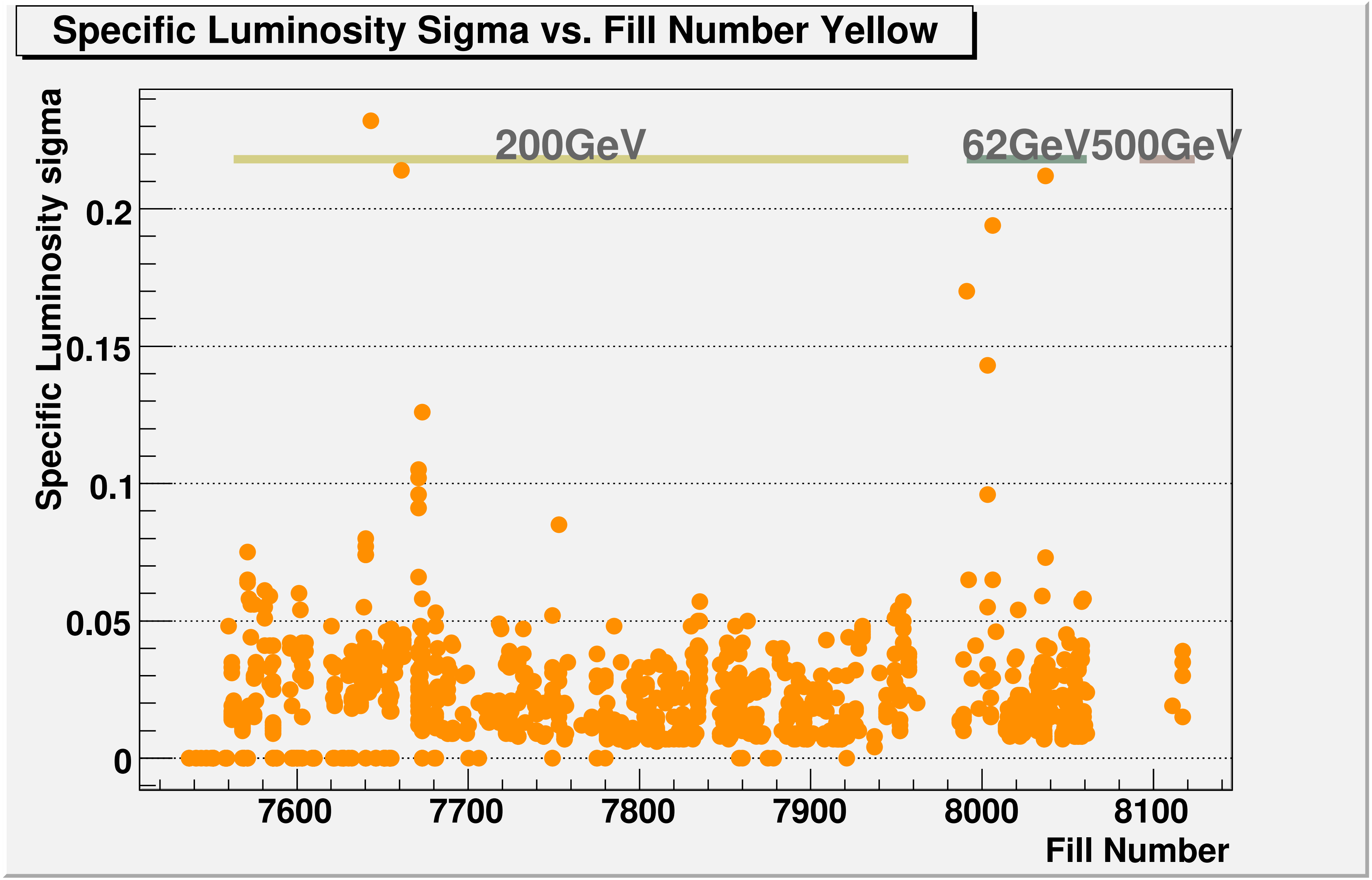
Chi2 vs. phi Yellow
phi angle [deg]
40
30
20
10
0
-10
-20
-30
-40
0
0.5
1
1.5
2
2.5
3
3.5
4
chi2 of P*sin(phi) fit



chi2 distribution of P*sin(phi) fit
sfitchi2
Entries 993
Mean 0.9924
RMS 0.2917
# of Runs [Fill#7537 - 8124]
0
50
100
150
200
250
0
0.5
1
1.5
2
2.5
3
3.5
4
sin(phi) fit chi2


chi2 distribution of P*sin(phi) fit
sfitchi2
Entries 822
Mean 1.015
RMS 0.206
# of Runs [Fill#7537 - 8117]
0
20
40
60
80
100
120
140
160
180
200
220
0
0.5
1
1.5
2
2.5
3
3.5
4
sin(phi) fit chi2


Specific Luminosity Sigma vs. Fill Number Blue
Specific Luminosity sigma
0.3
0.25
0.2
0.15
0.1
0.05
0
200GeV
62GeV
500GeV
7600
7700
7800
7900
8000
8100
Fill Number



Specific Luminosity Sigma vs. Fill Number Yellow
200GeV
62GeV
500GeV
Specific Luminosity sigma
0.2
0.15
0.1
0.05
0
7600
7700
7800
7900
8000
8100
Fill Number