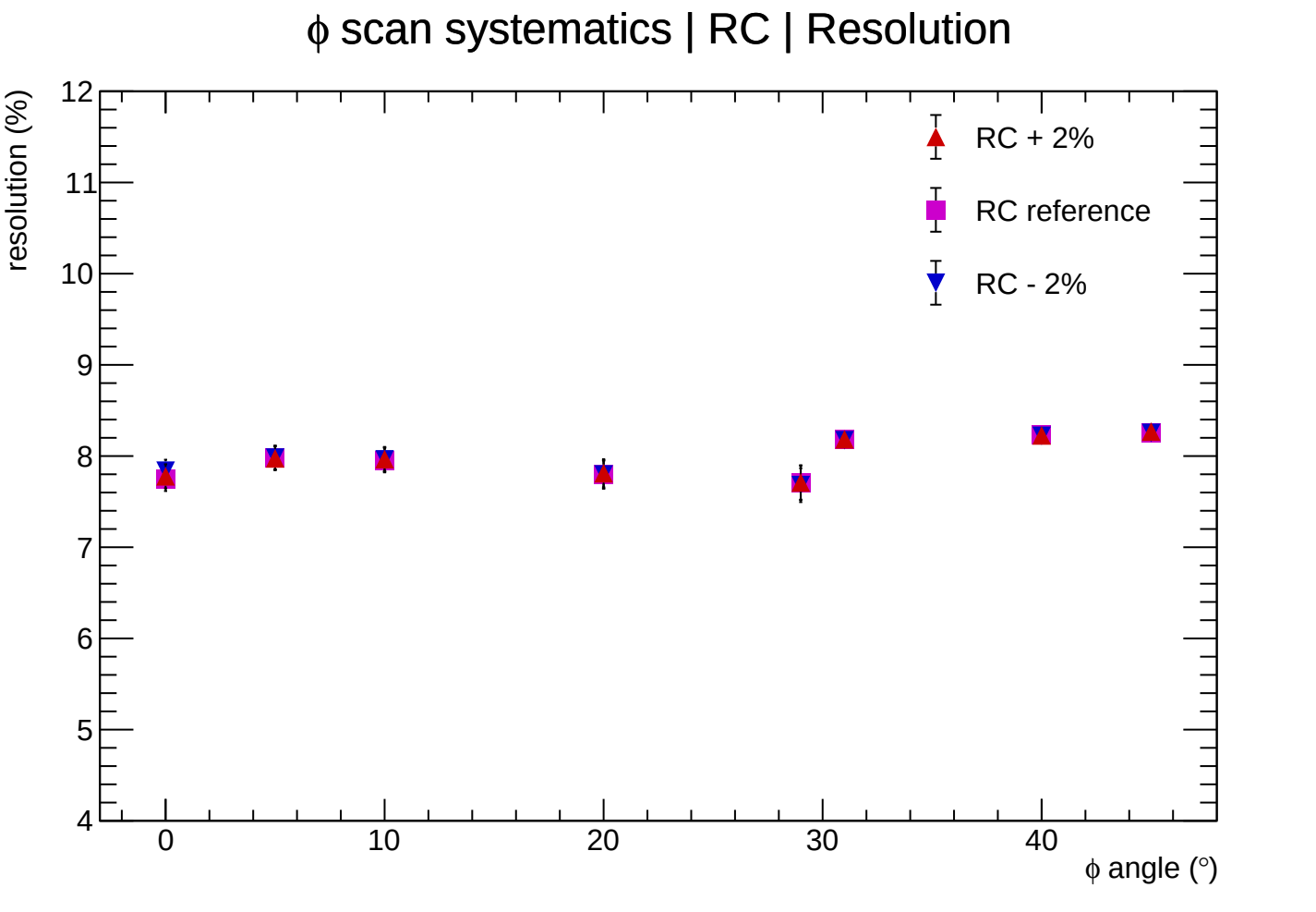
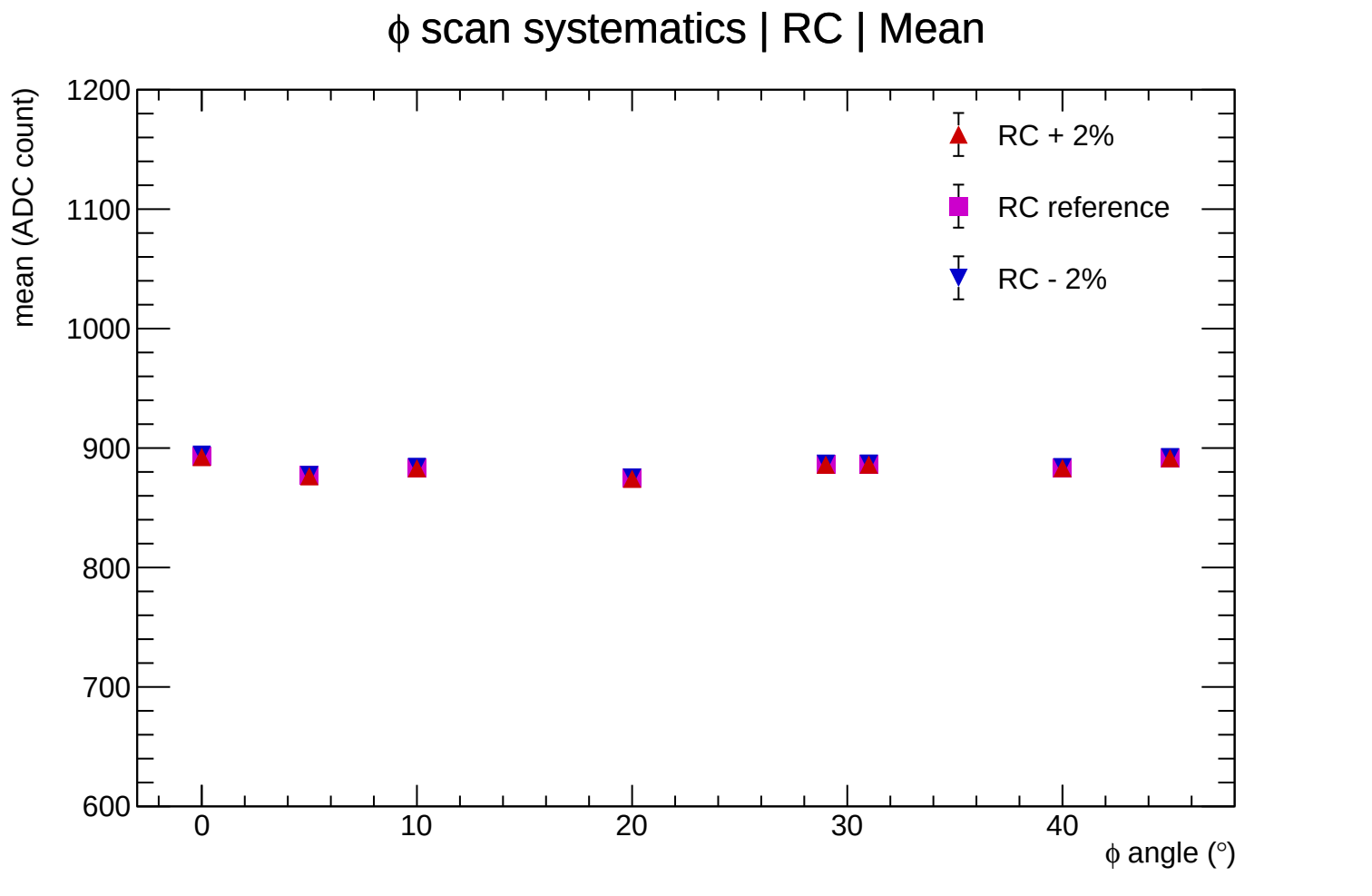
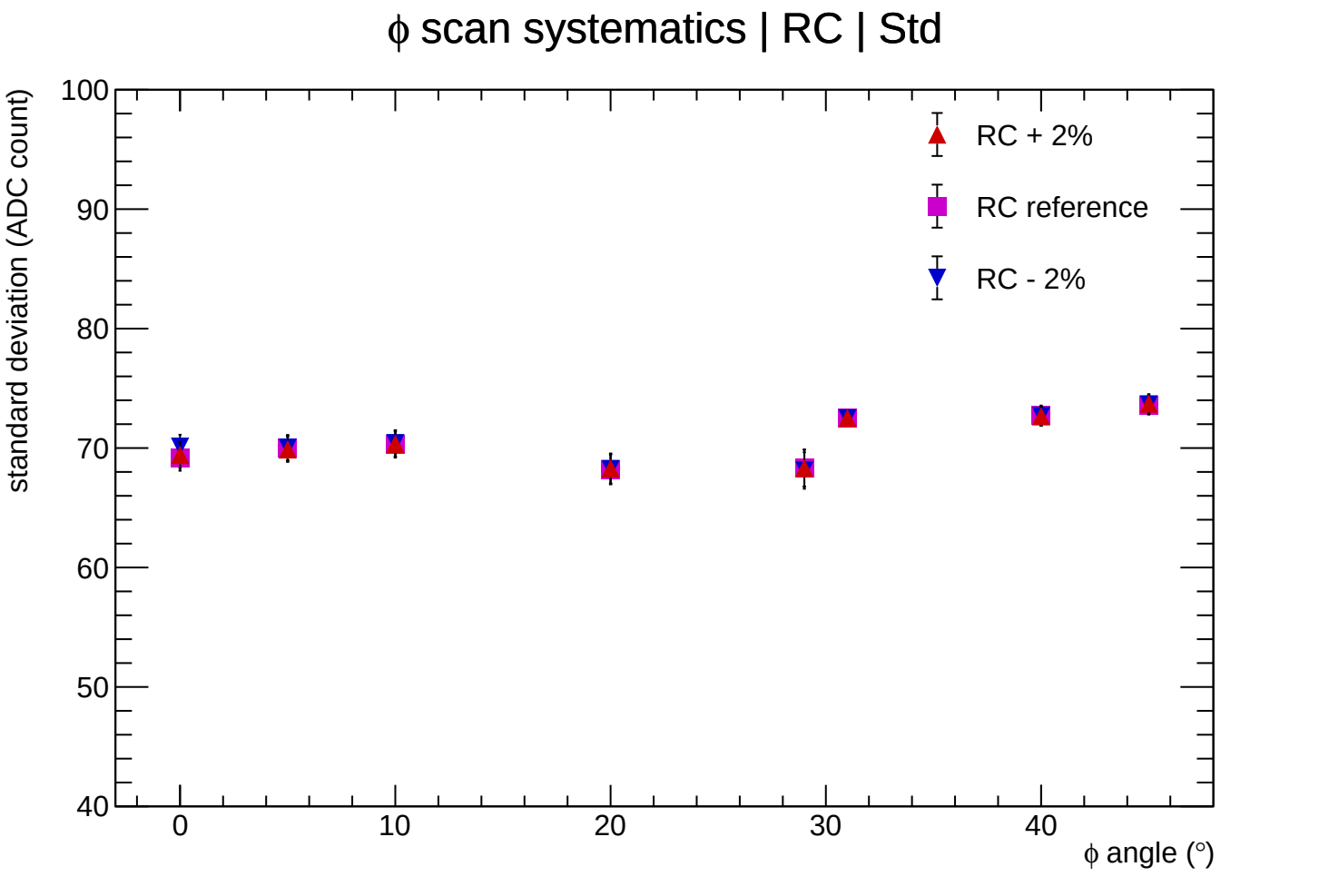
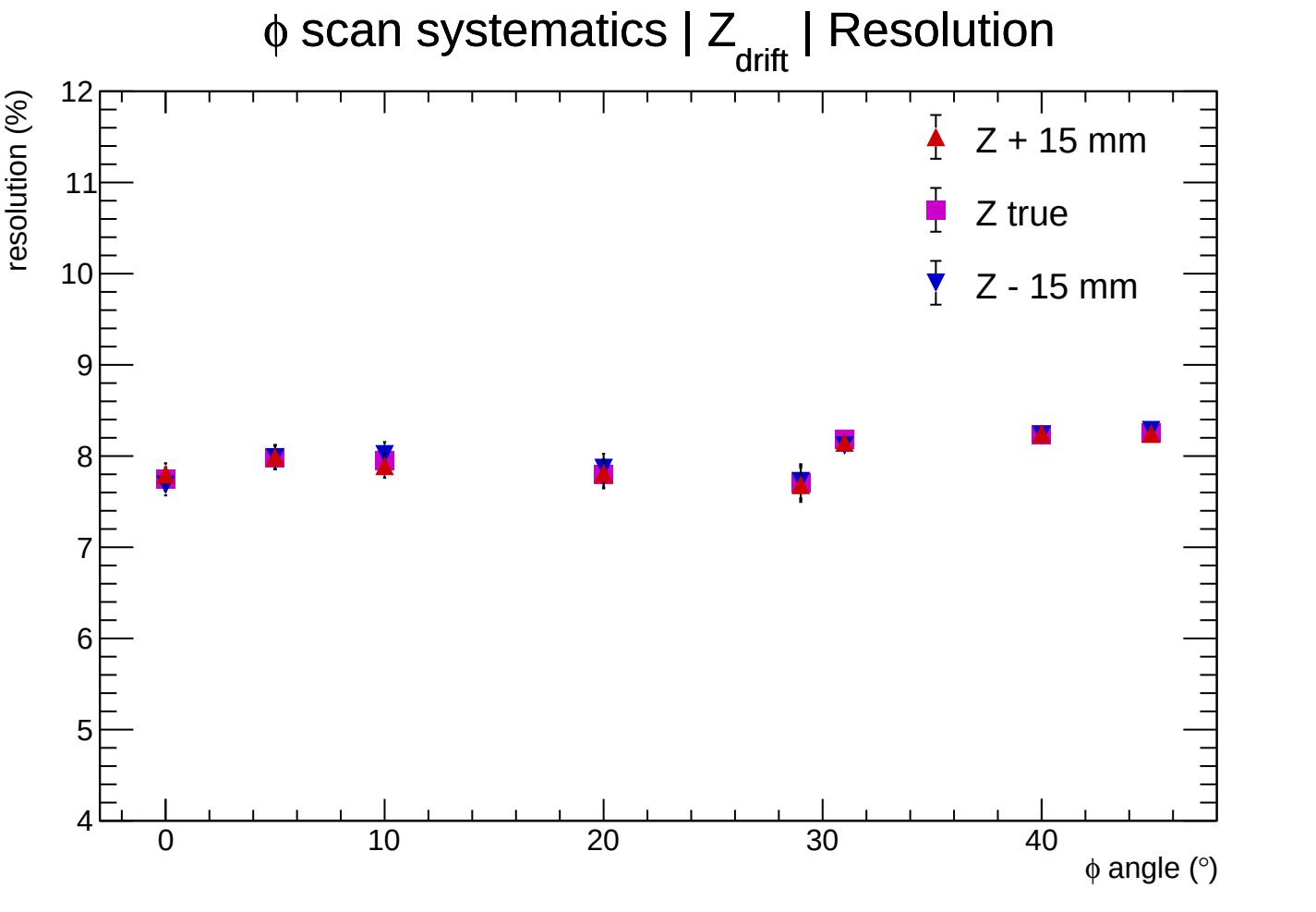
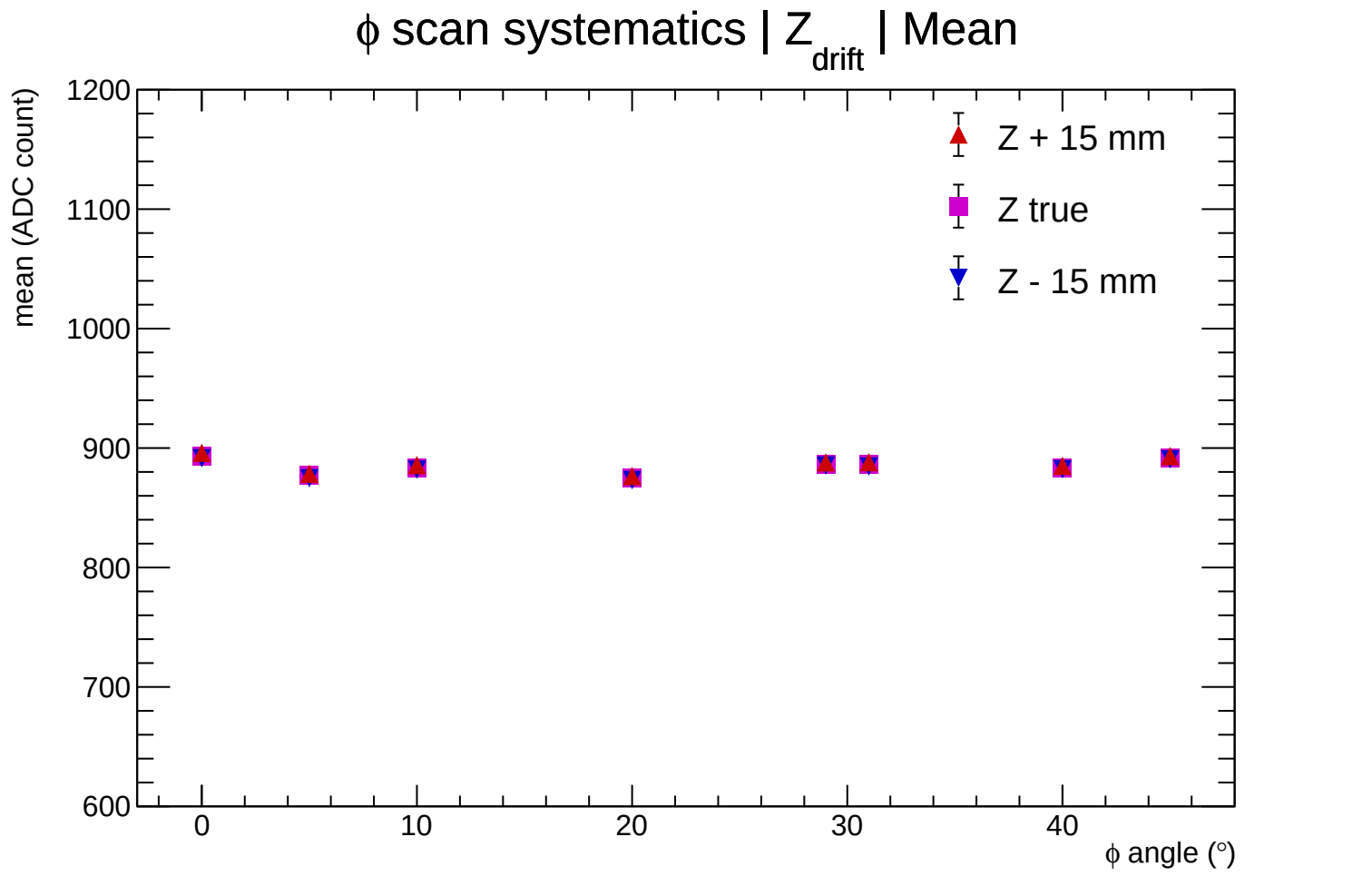
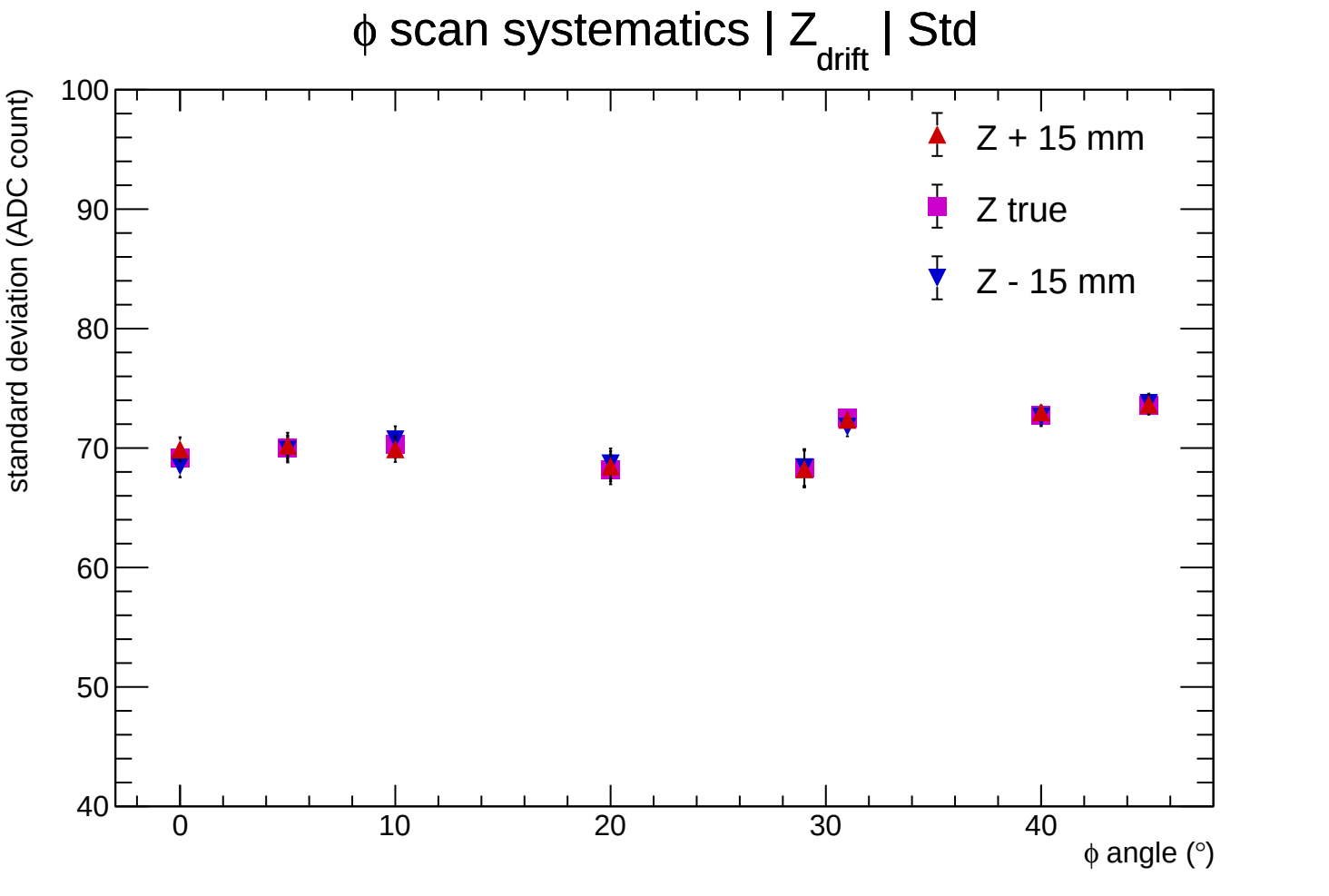

ϕ scan systematics | RC | Resolution
resolution (%)
12
11
10
9
8
7
6
5
4
0
10
20
30
40
ϕ angle (°)
RC + 2%
RC reference
RC - 2%

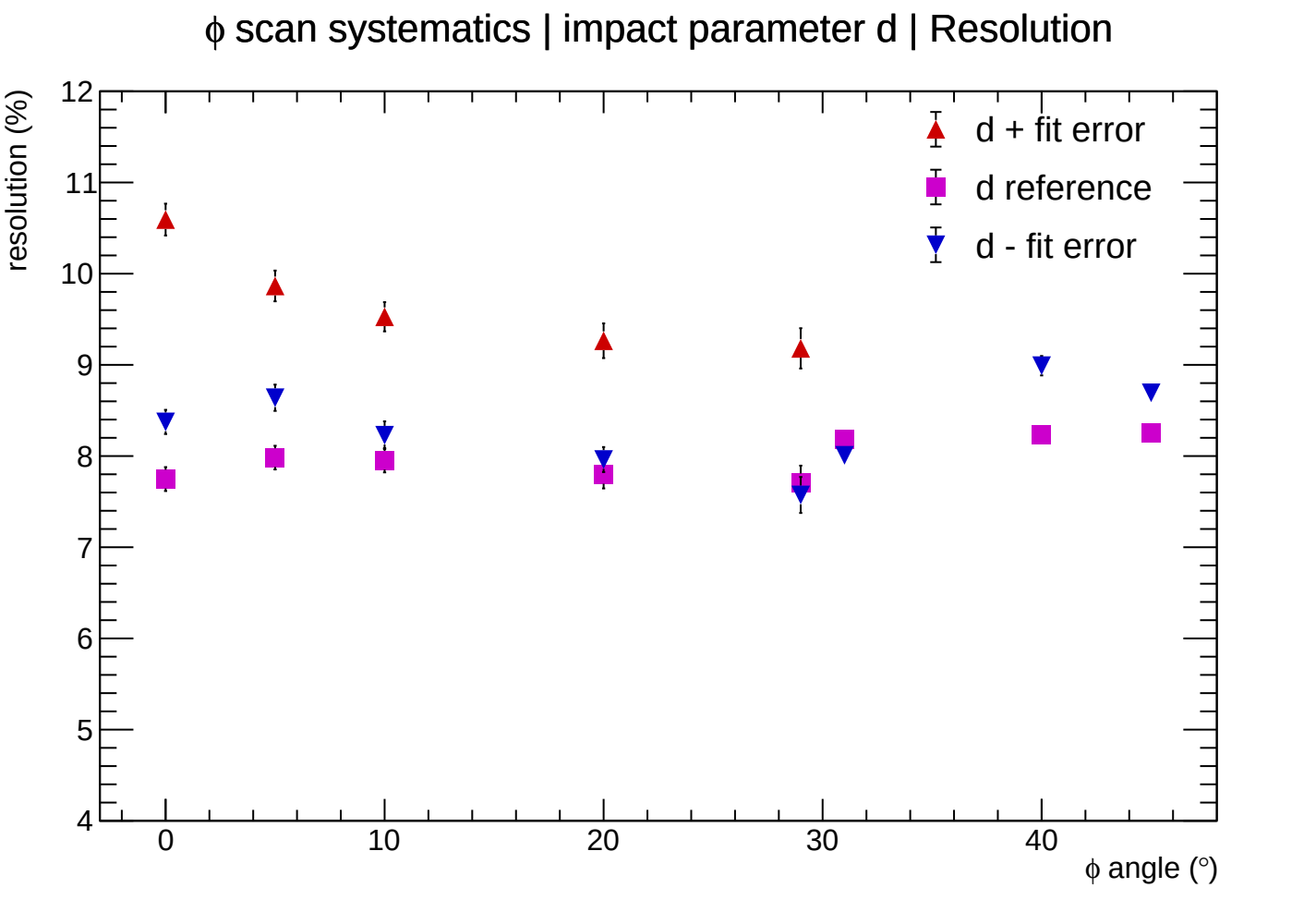

ϕ scan systematics | RC | Mean
mean (ADC count)
1200
1100
1000
900
800
700
600
0
10
20
30
40
ϕ angle (°)
RC + 2%
RC reference
RC - 2%

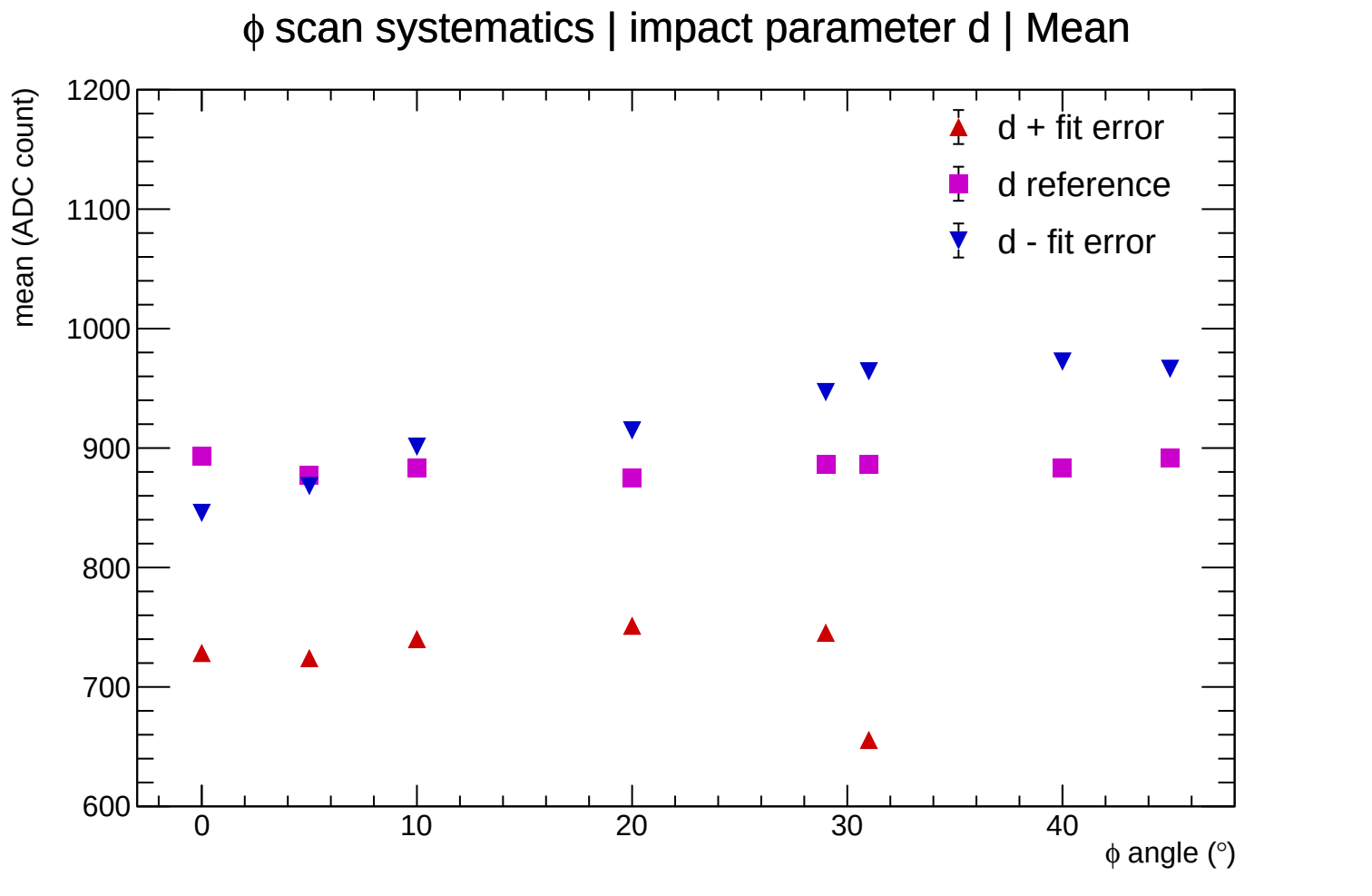

ϕ scan systematics | RC | Std
standard deviation (ADC count)
100
90
80
70
60
50
40
0
10
20
30
40
ϕ angle (°)
RC + 2%
RC reference
RC - 2%

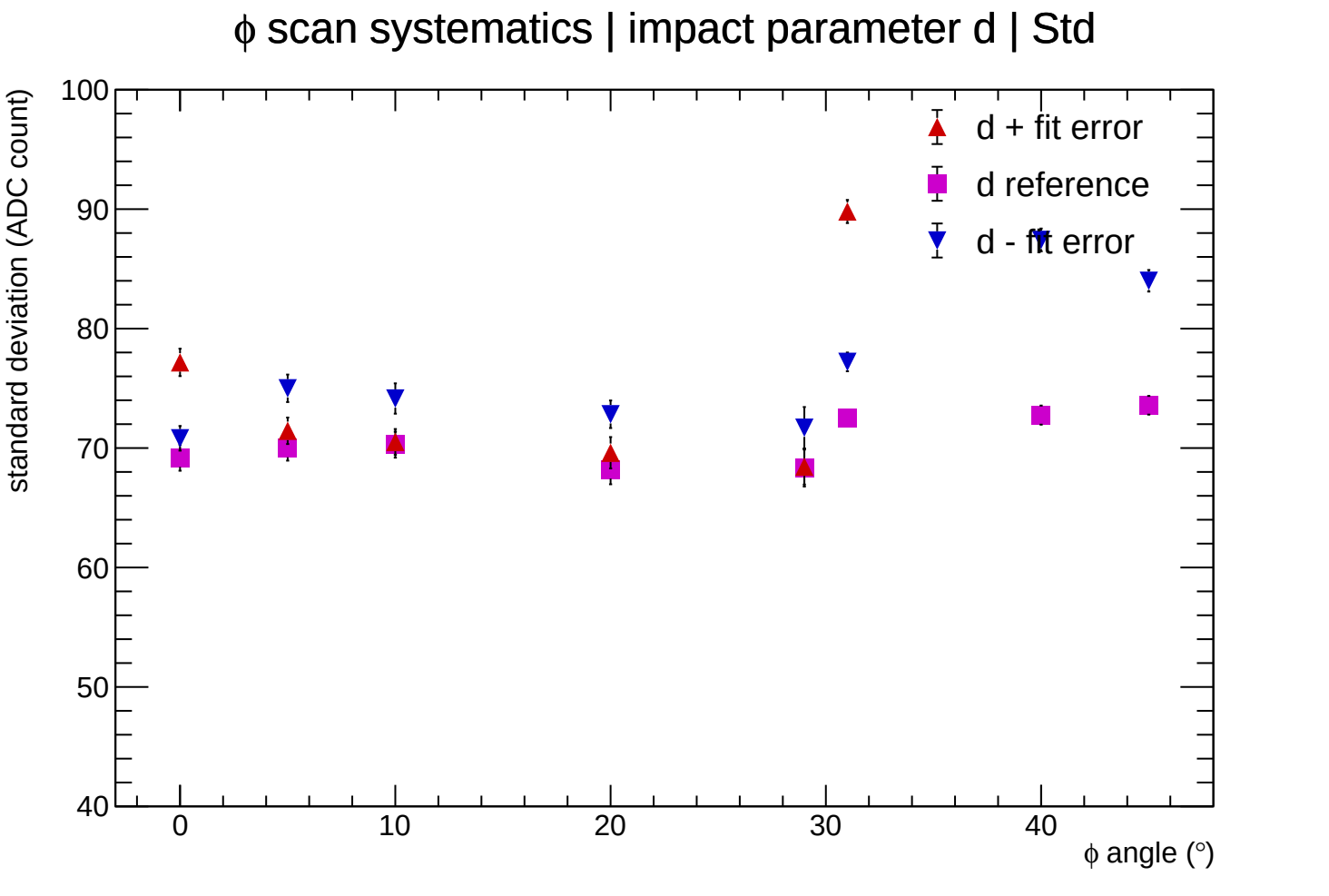

ϕ scan systematics | Z drift | Resolution
resolution (%)
12
11
10
9
8
7
6
5
4
0
10
20
30
40
ϕ angle (°)
Z + 15 mm
Z true
Z - 15 mm


ϕ scan systematics | Z drift | Mean
mean (ADC count)
1200
1100
1000
900
800
700
600
0
10
20
30
40
ϕ angle (°)
Z + 15 mm
Z true
Z - 15 mm


ϕ scan systematics | Z drift | Std
standard deviation (ADC count)
100
90
80
70
60
50
40
0
10
20
30
40
ϕ angle (°)
Z + 15 mm
Z true
Z - 15 mm


ϕ scan systematics | impact parameter d | Resolution
resolution (%)
12
11
10
9
8
7
6
5
4
0
10
20
30
40
ϕ angle (°)
d + fit error
d reference
d - fit error


ϕ scan systematics | impact parameter d | Mean
mean (ADC count)
1200
1100
1000
900
800
700
600
0
10
20
30
40
ϕ angle (°)
d + fit error
d reference
d - fit error


ϕ scan systematics | impact parameter d | Std
standard deviation (ADC count)
100
90
80
70
60
50
40
0
10
20
30
40
ϕ angle (°)
d + fit error
d reference
d - fit error