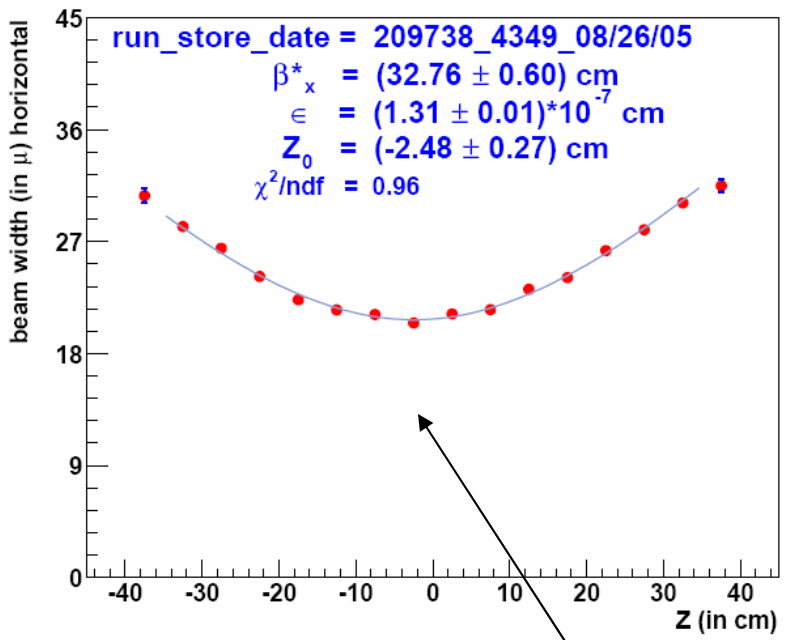
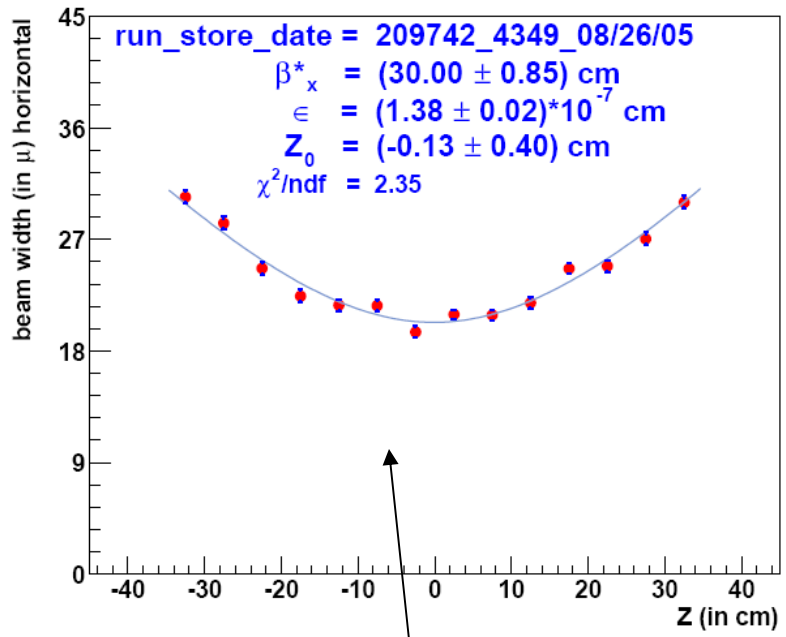
Update on Beam Widths at DZero

Avdhesh Chandra

Michele Weber

Optics change X



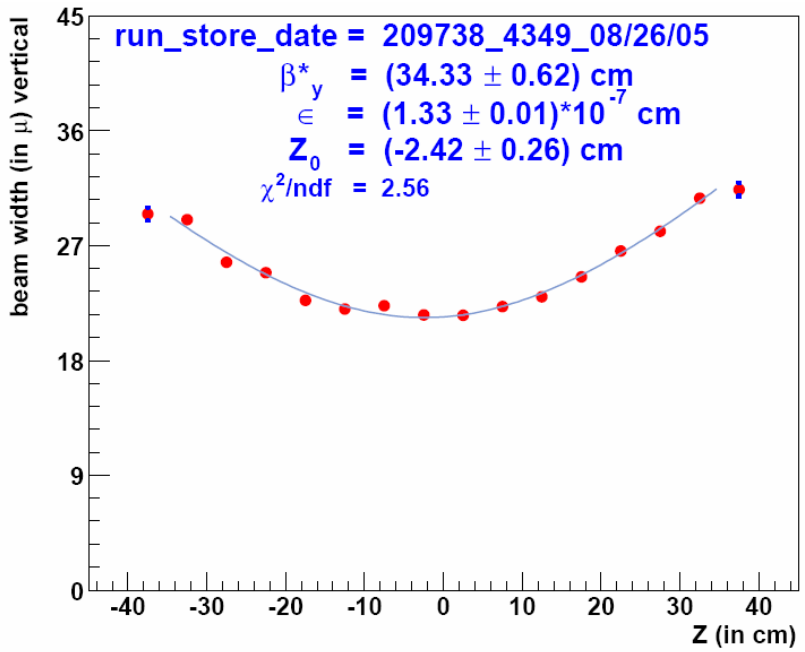


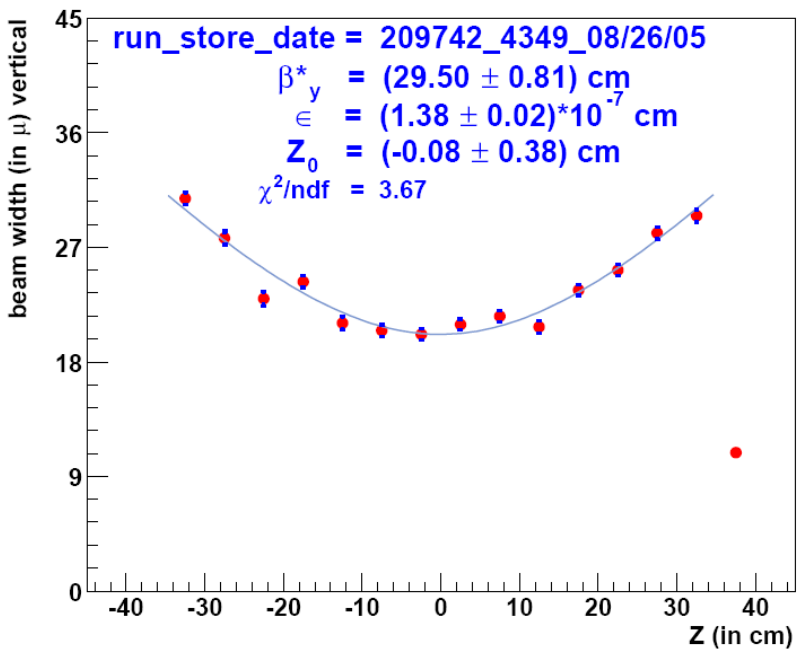
before change

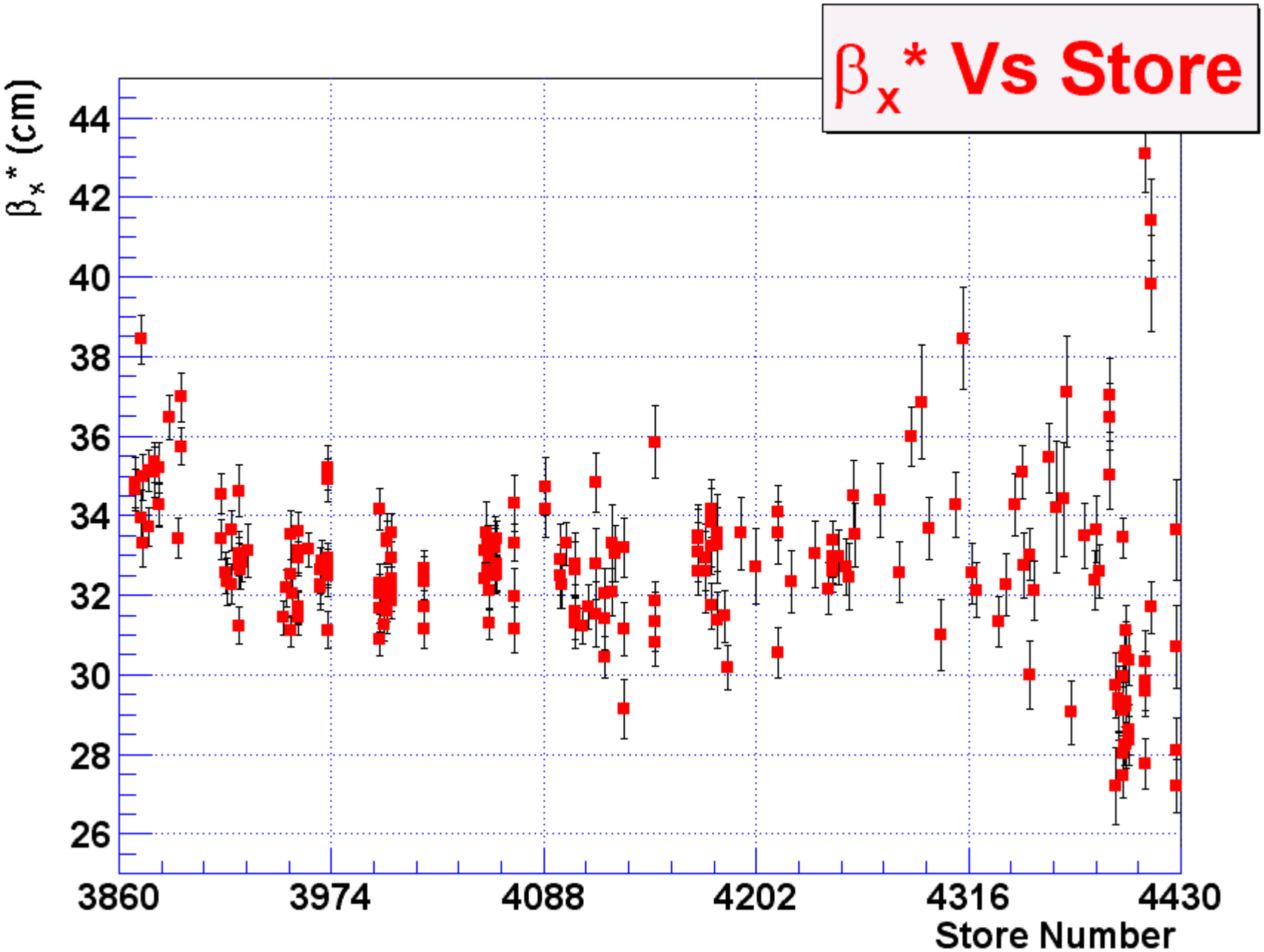
Same store 4349

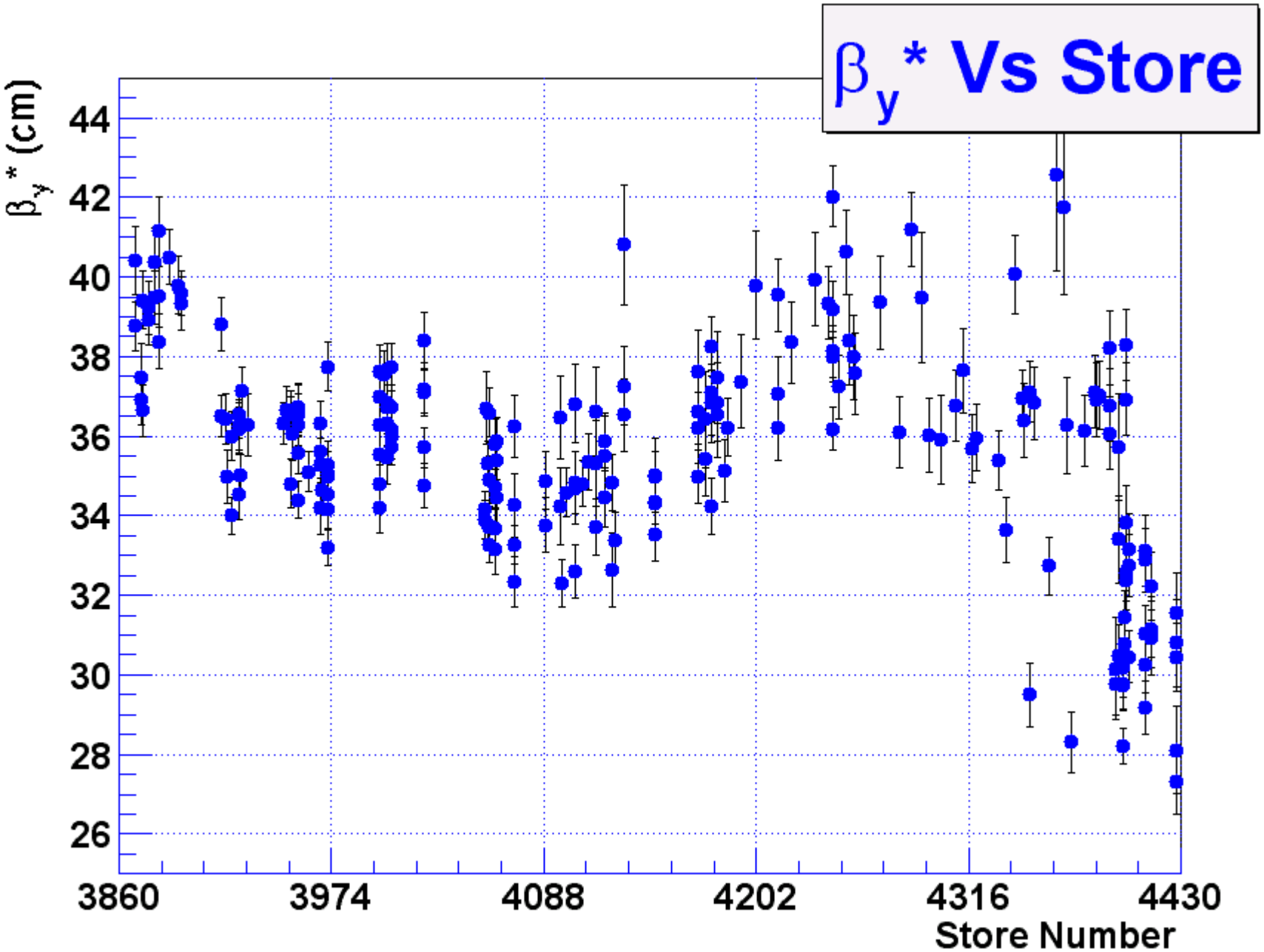
After change

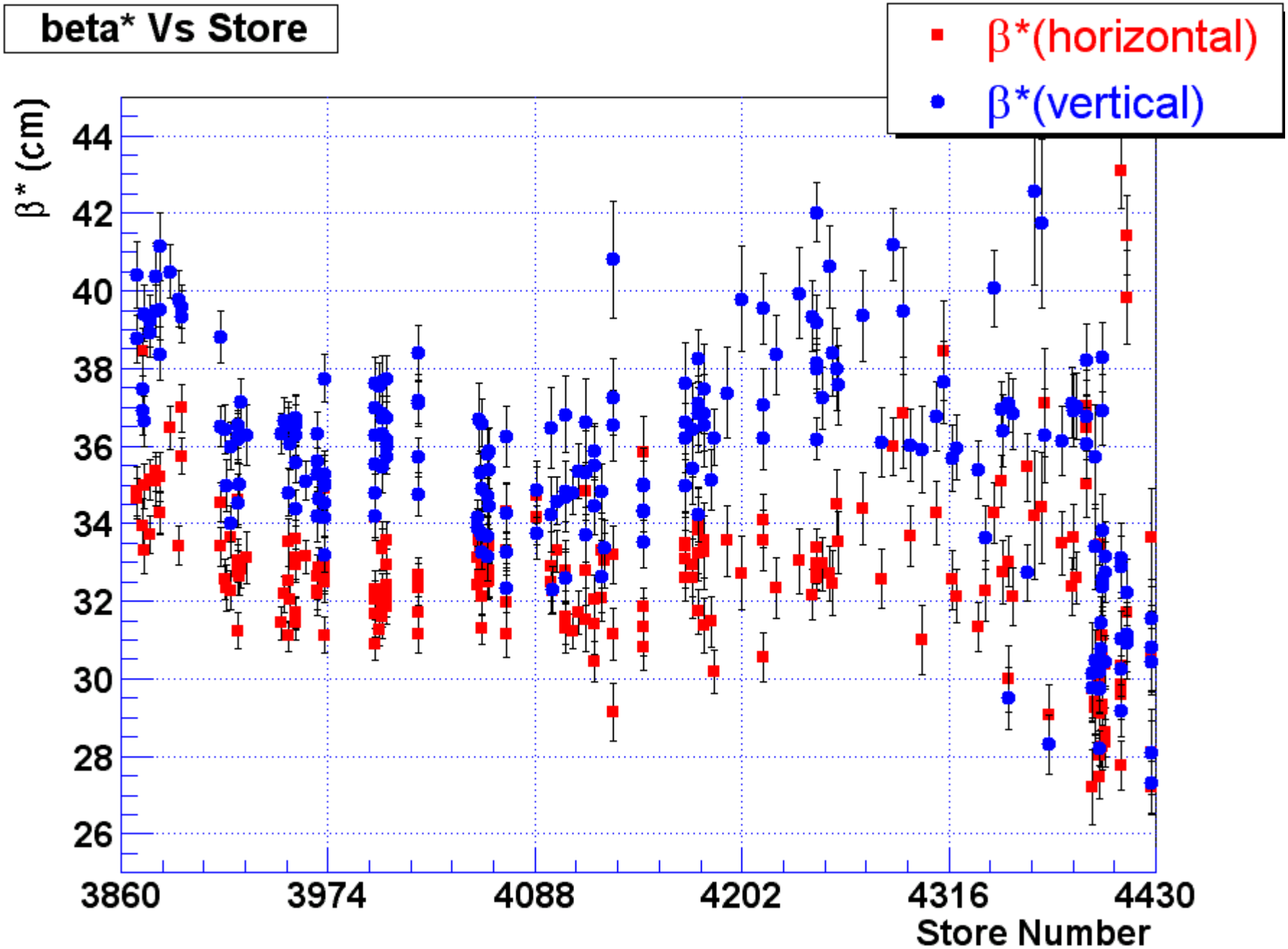
Optics change Y

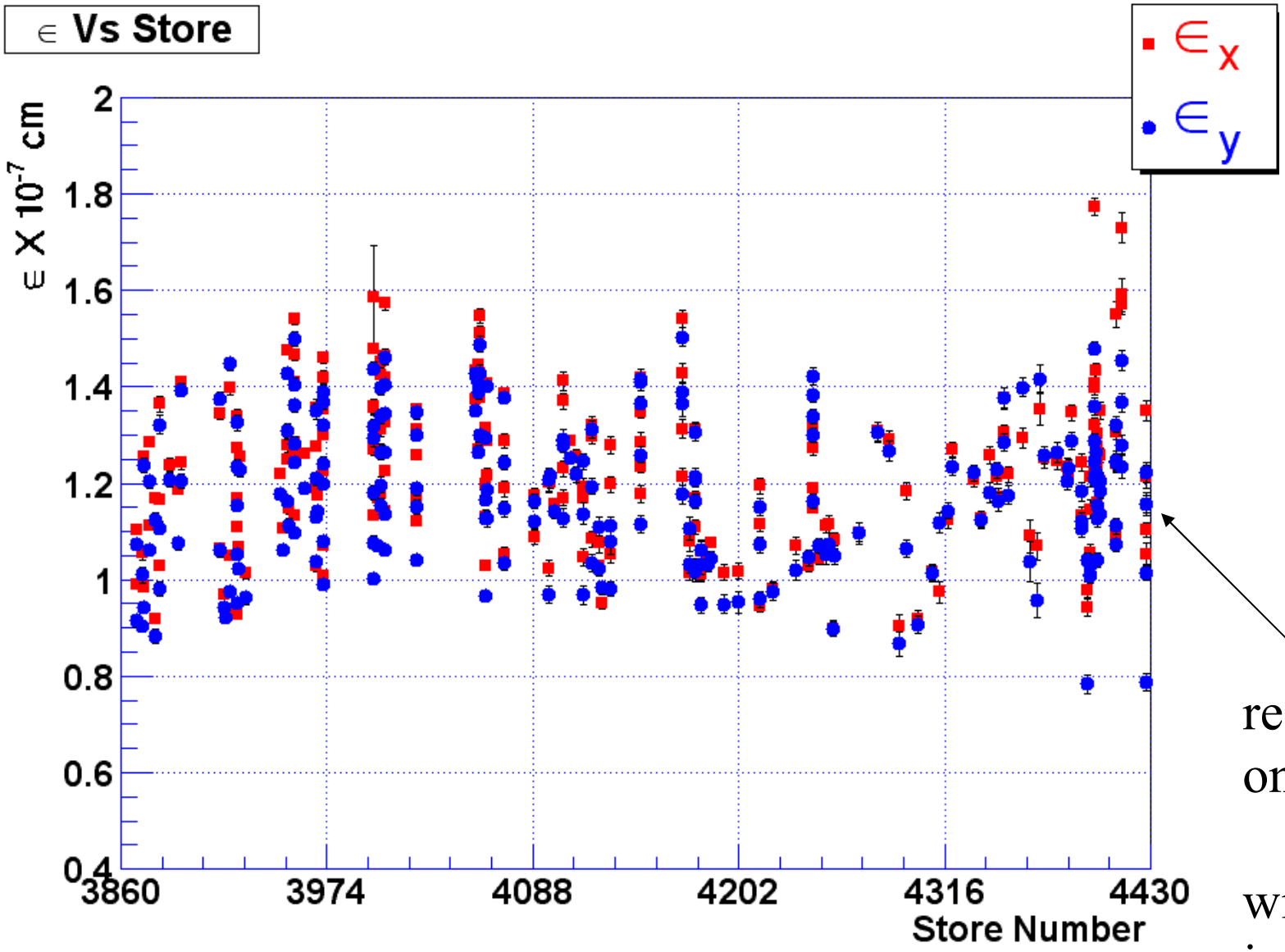





β_x* Vs Store
β_x* (cm)
44
42
40
38
36
34
32
30
28
26
3860
3974
4088
4202
4316
4430
Store Number

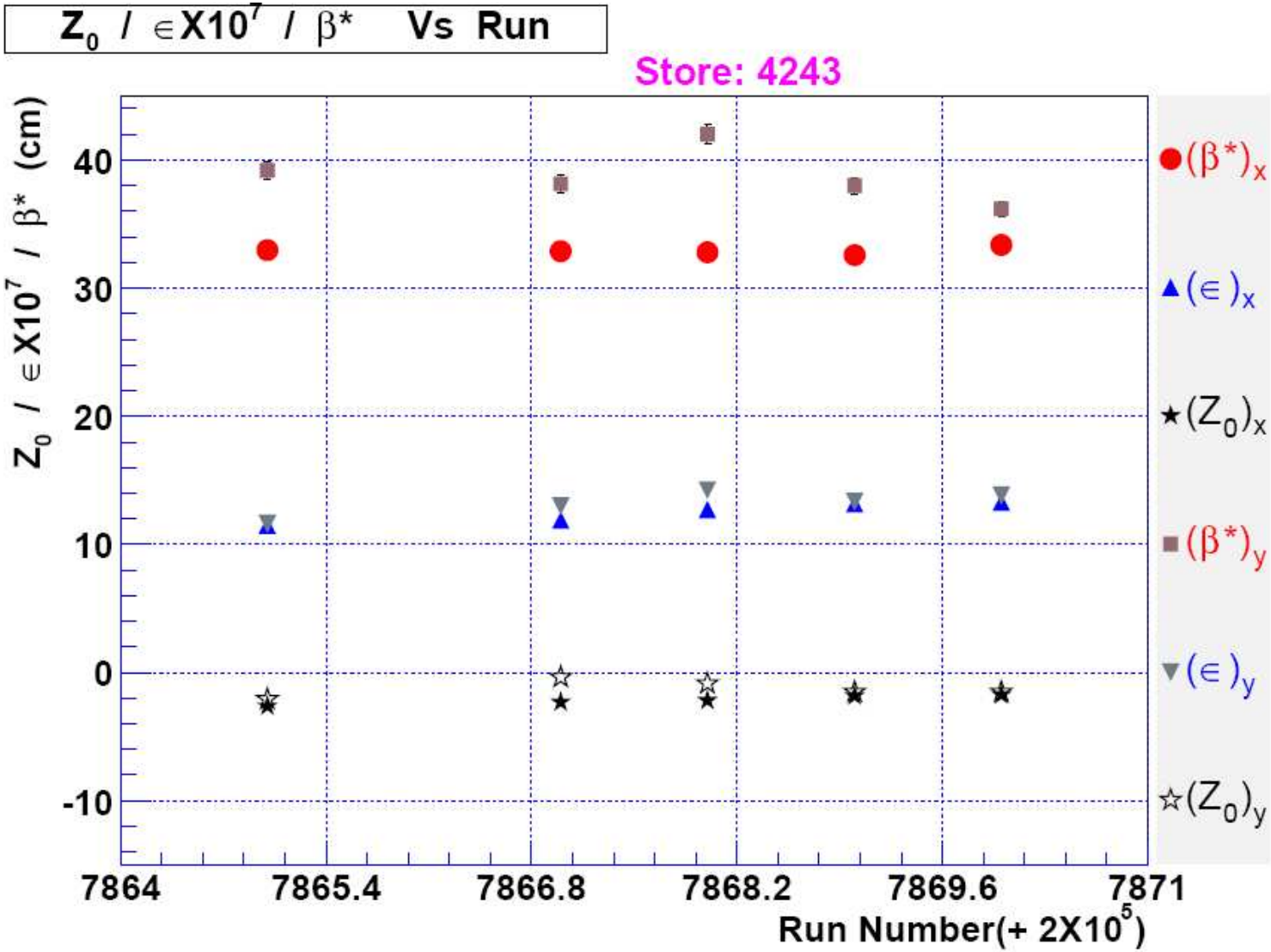

β_y* Vs Store
β_y* (cm)
44
42
40
38
36
34
32
30
28
26
3860
3974
4088
4202
4316
4430
Store Number

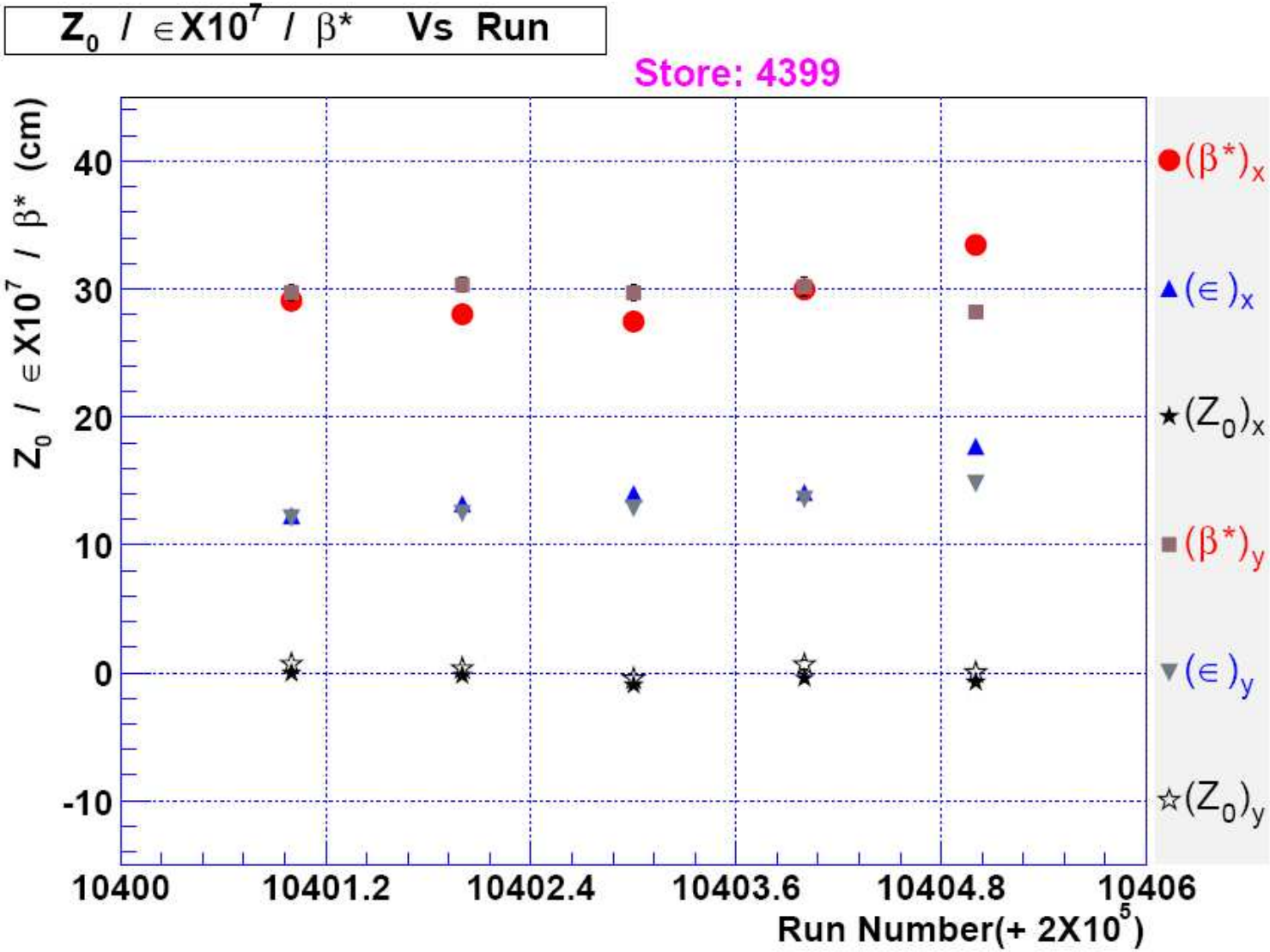

beta* Vs Store
β*(horizontal)
β*(vertical)
β* (cm)
44
42
40
38
36
34
32
30
28
26
3860
3974
4088
4202
4316
4430
Store Number



recycler only starts

will be interesting to look at


Z_0 / $\in$X10^7 / β* Vs Run
Store: 4243
Z_0 / $\in$X10^7 / β* (cm)
40
30
20
10
0
-10
7864
7865.4
7866.8
7868.2
7869.6
7871
Run Number(+ 2X10^5)
$(\beta^*)_x$
$(\in)_x$
$(Z_0)_x$
$(\beta^*)_y$
$(\in)_y$
$(Z_0)_y$


Z_0 / $\in$X10^7 / β* Vs Run
Store: 4399
Z_0 / $\in$X10^7 / β* (cm)
40
30
20
10
0
-10
10400
10401.2
10402.4
10403.6
10404.8
10406
Run Number(+ 2X10^5)
$(\beta^*)_x$
$(\in)_x$
$(Z_0)_x$
$(\beta^*)_y$
$(\in)_y$
$(Z_0)_y$