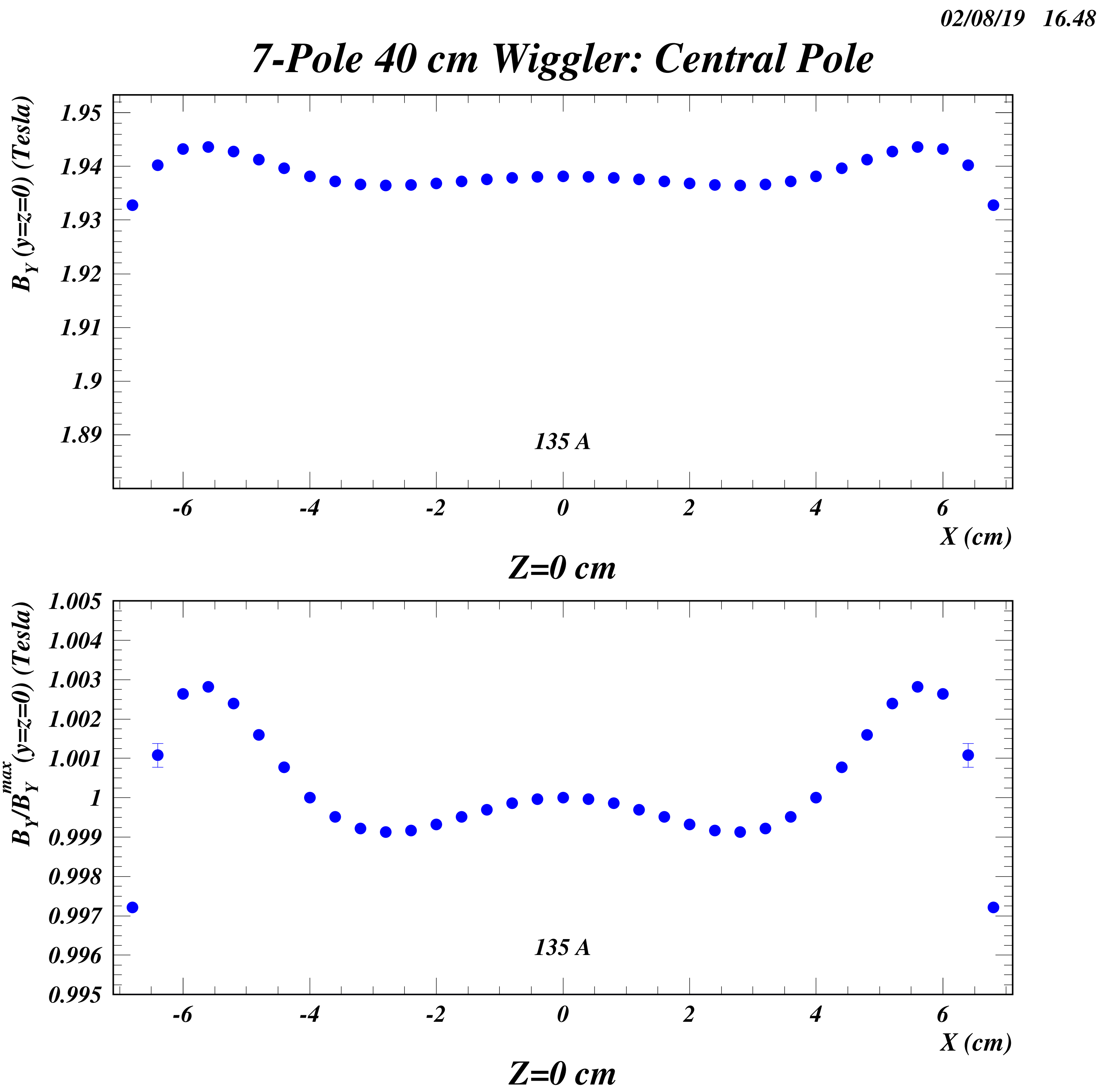
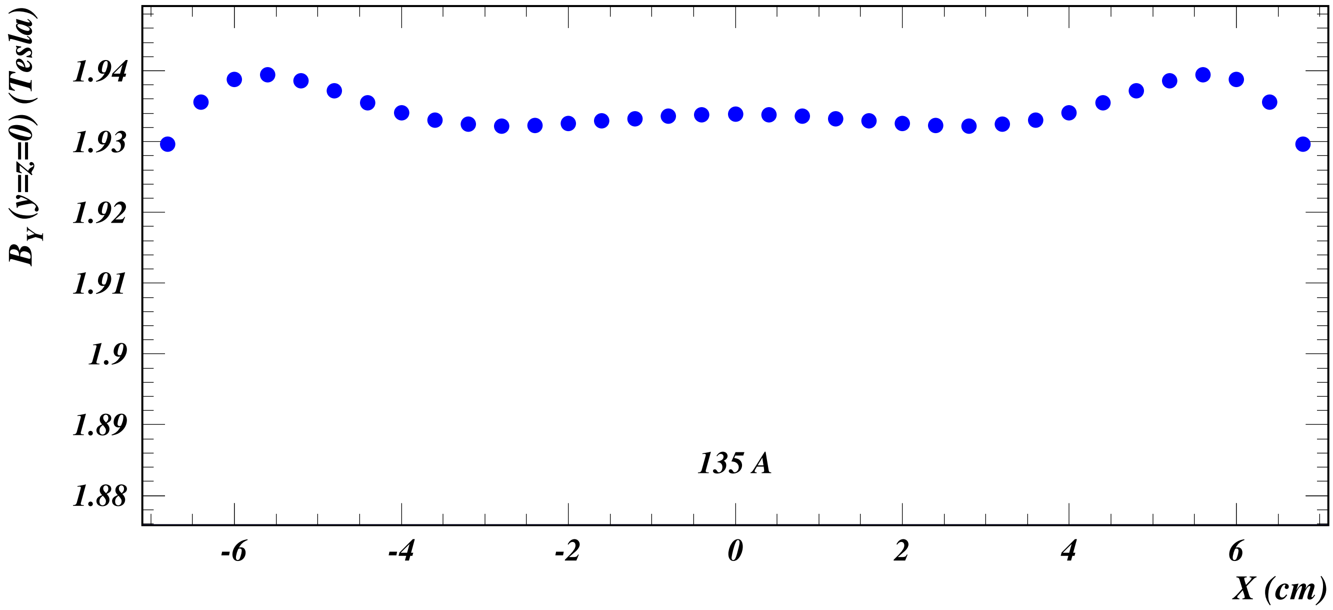
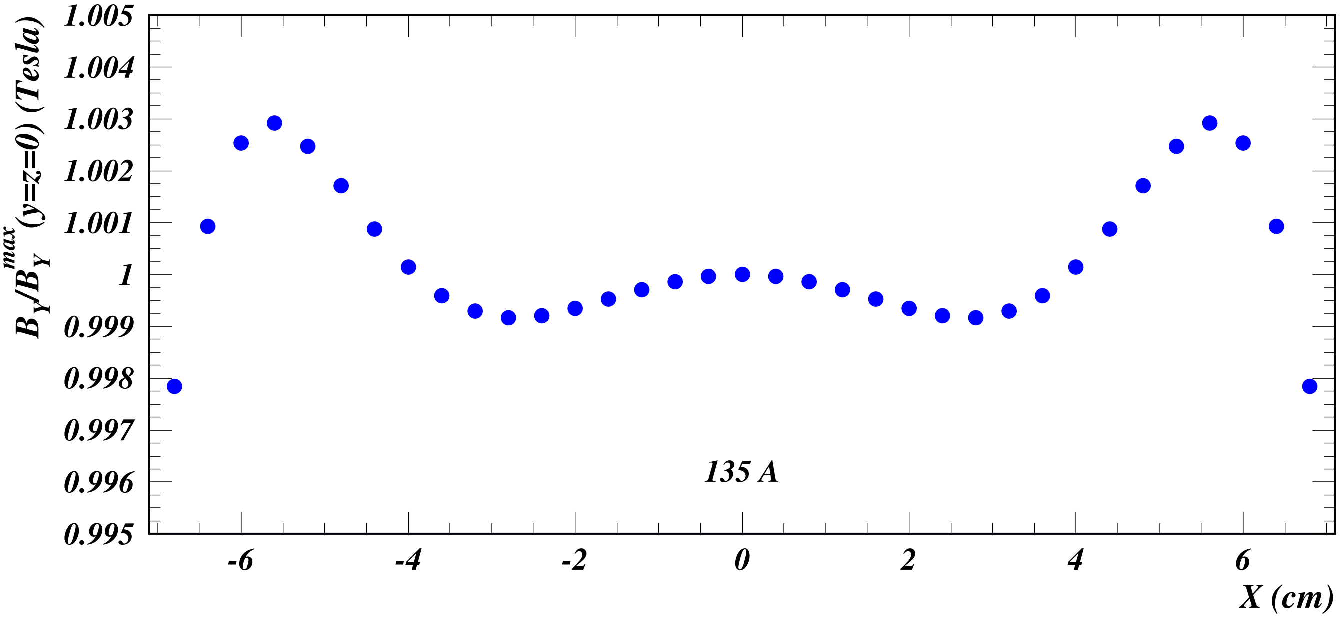

02/08/19 16.48
7-Pole 40 cm Wiggler: Central Pole
B_Y (y=z=0) (Tesla)
1.95
1.94
1.93
1.92
1.91
1.9
1.89
135 A
-6
-4
-2
0
2
4
6
X (cm)
Z=0 cm
B_Y/B_Y^{max}(y=z=0) (Tesla)
1.005
1.004
1.003
1.002
1.001
1
0.999
0.998
0.997
0.996
0.995
135 A
-6
-4
-2
0
2
4
6
X (cm)
Z=0 cm

02/08/19 16.48

7-Pole 40 cm Wiggler: Next-to-Last Pole



Z=40 cm



Z=40 cm

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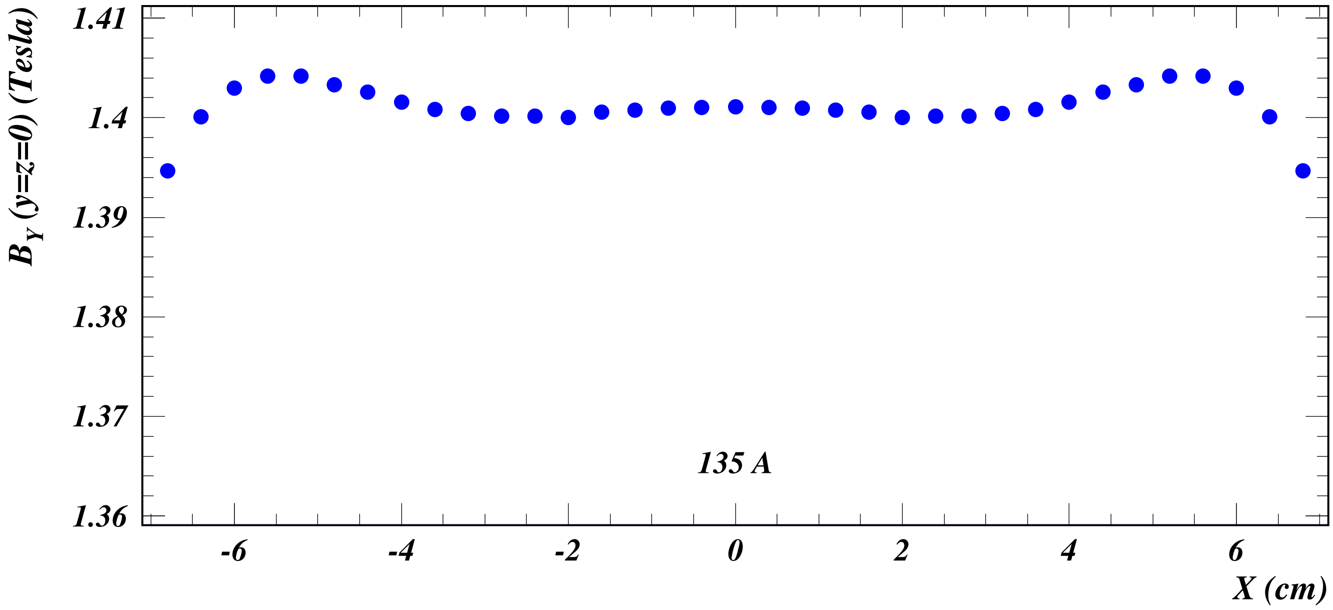
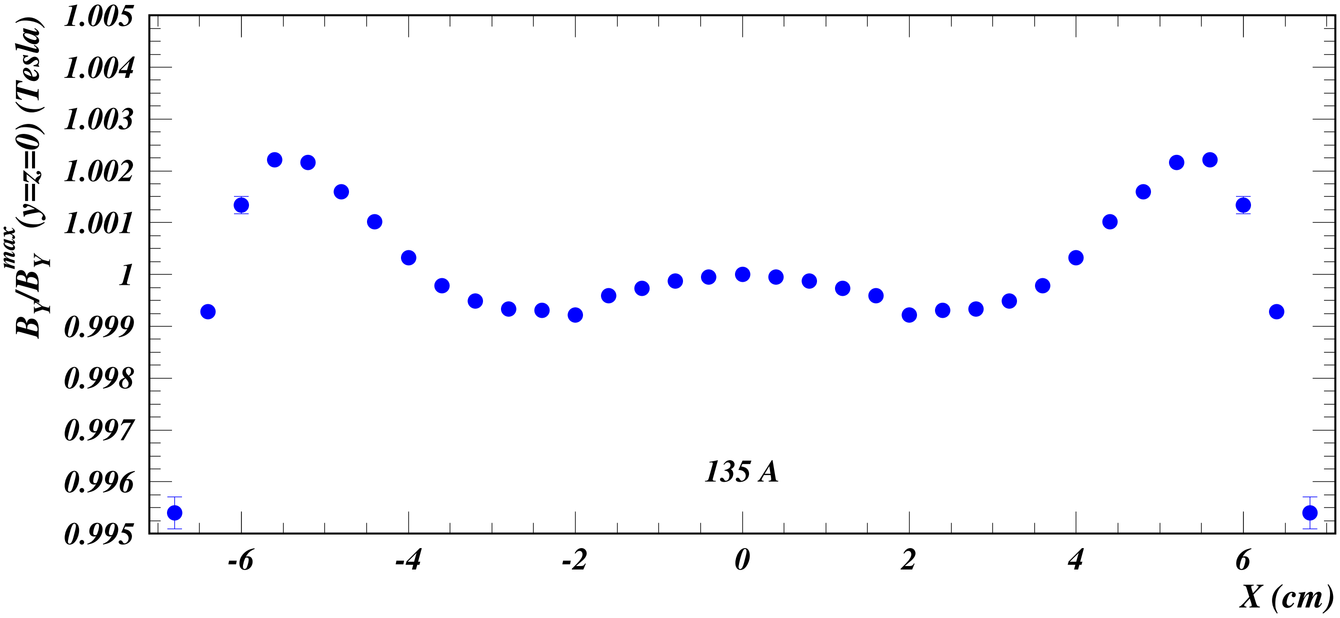
7-Pole 40 cm Wiggler: End Pole



Z=57.6 cm



Z=57.6 cm

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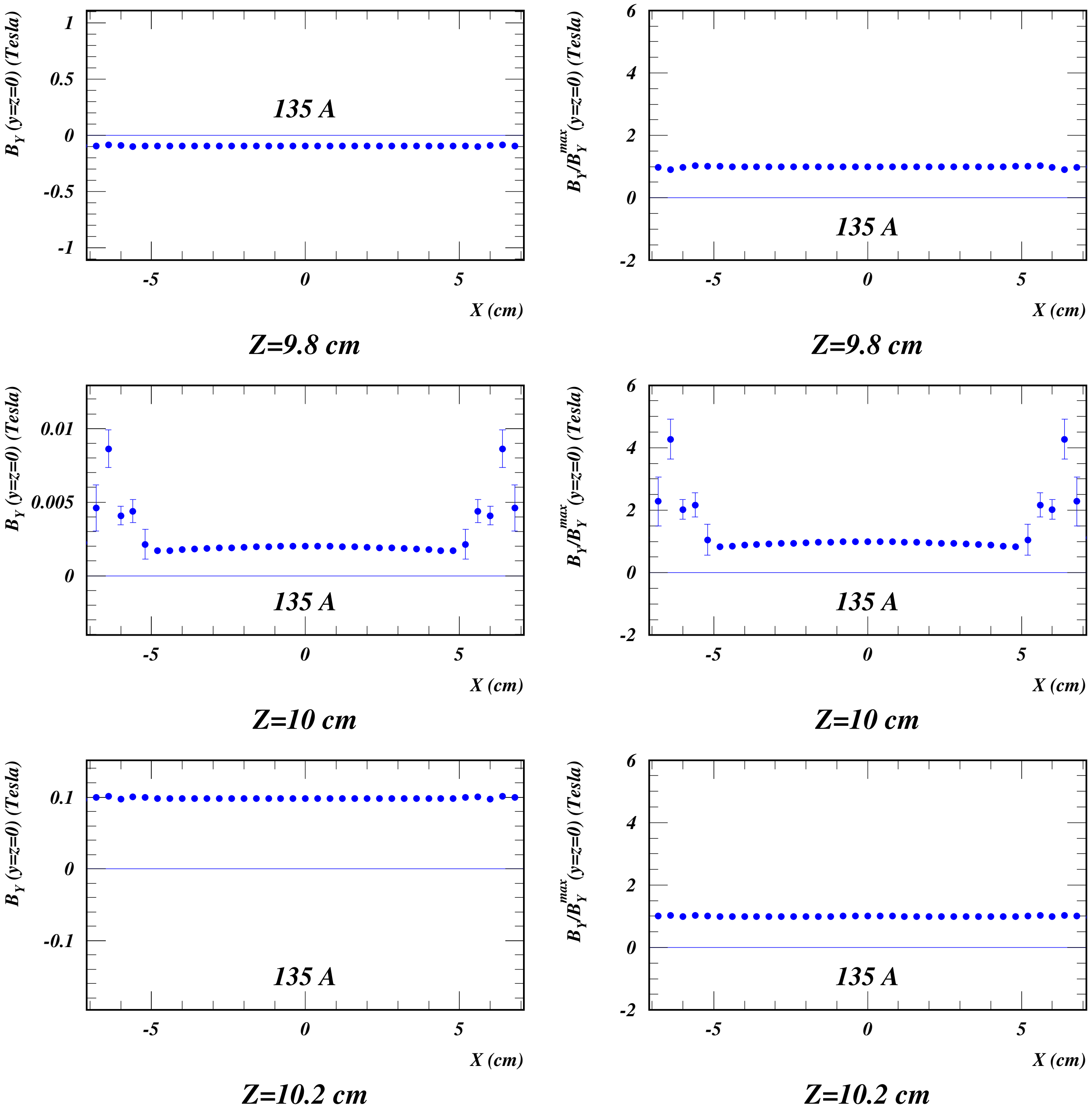
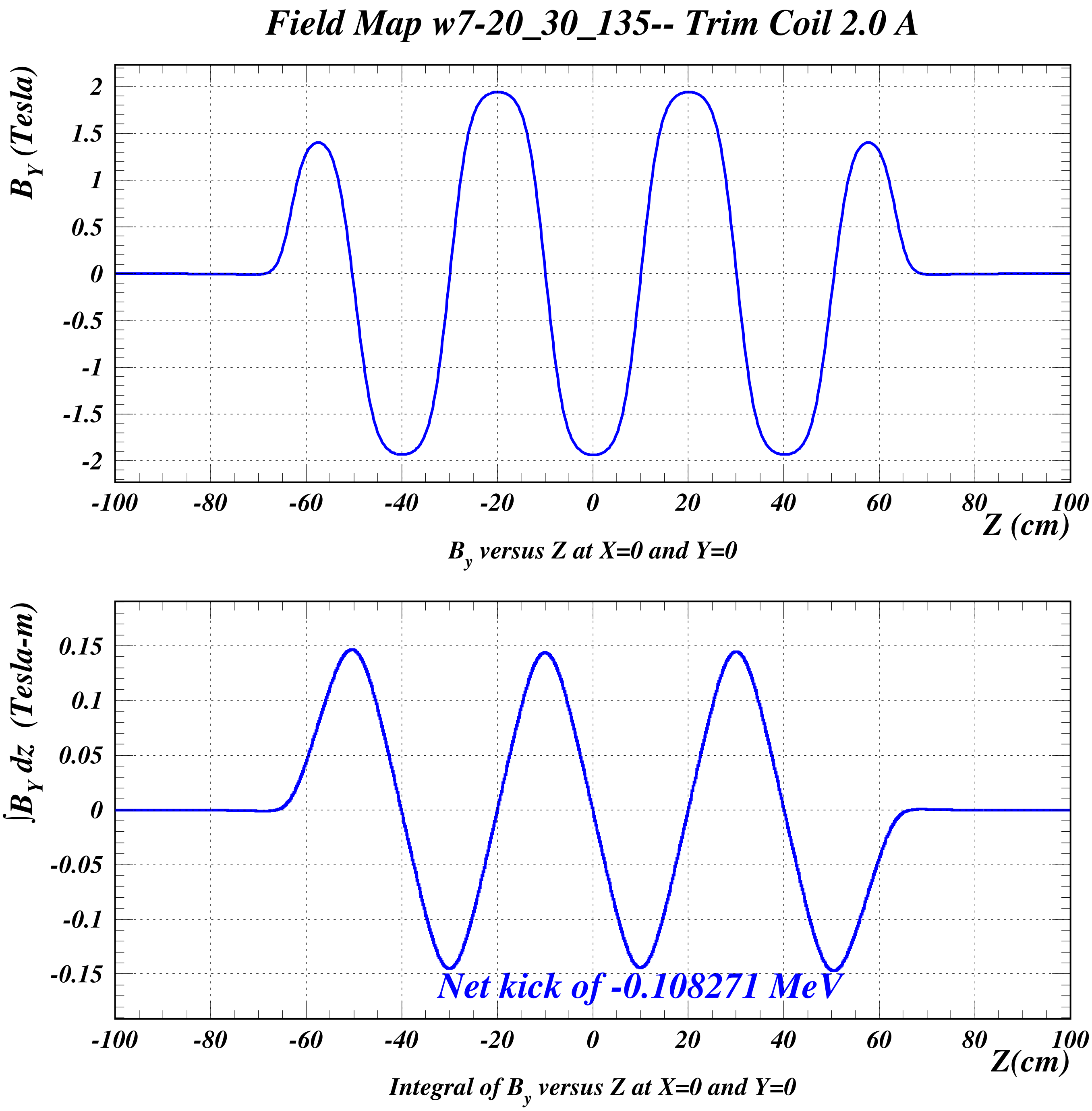
7-Pole 40 cm Wiggler: Between Central and Neighbor Pole



02/08/19 16.48


Field Map w7-20_30_135-- Trim Coil 2.0 A
B_Y (Tesla)
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-100
-80
-60
-40
-20
0
20
40
60
80
100
Z (cm)
B_y versus Z at X=0 and Y=0
$\int B_Y dz$ (Tesla-m)
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
Net kick of -0.108271 MeV
-100
-80
-60
-40
-20
0
20
40
60
80
100
Z(cm)
Integral of B_y versus Z at X=0 and Y=0

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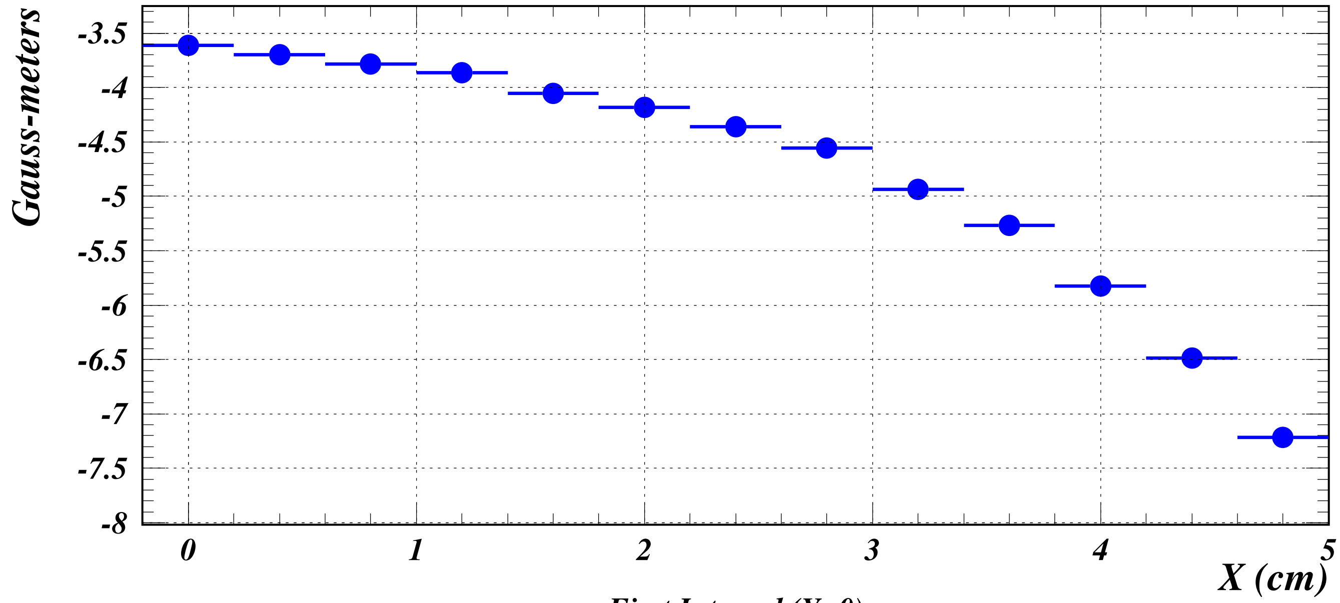
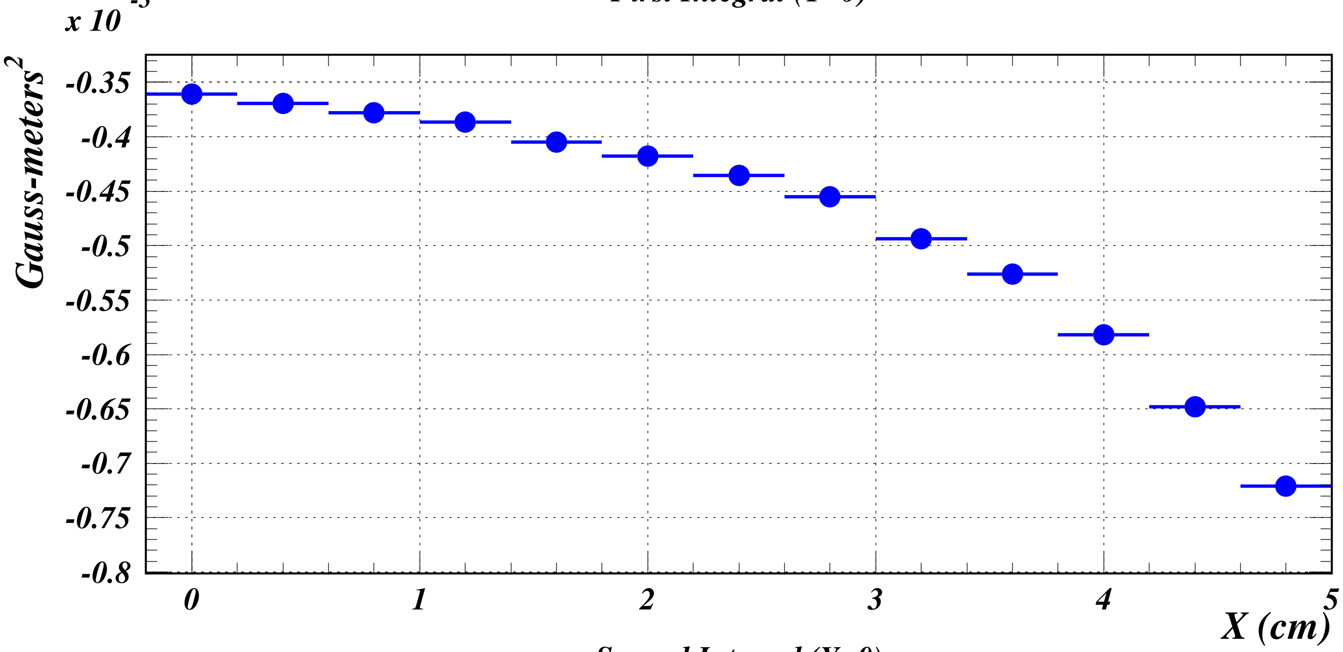
Field Map w7-20_30_135-- Trim Coil 2.0 A



First Integral (Y=0)



Second Integral (Y=0)

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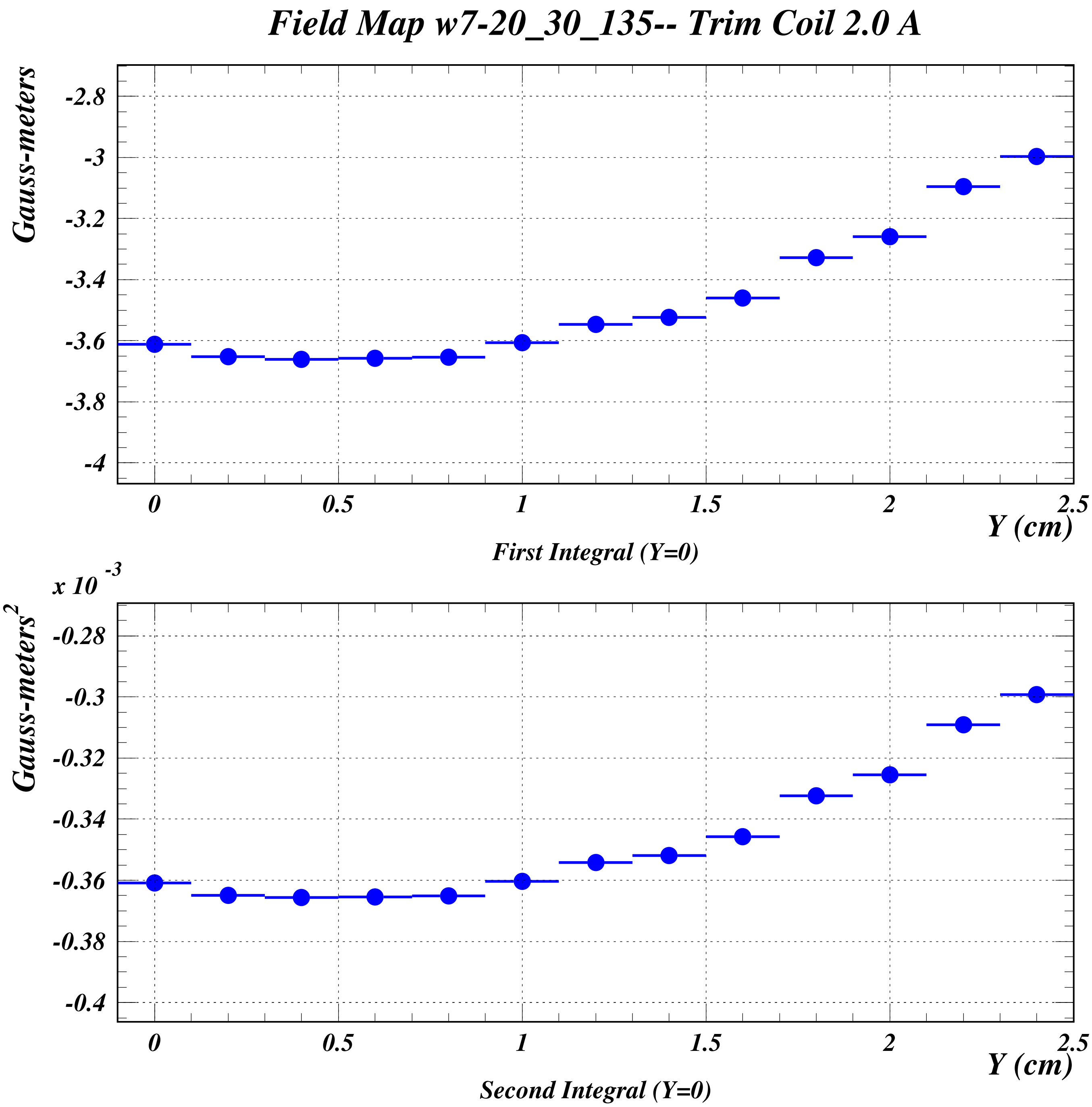
Field Map w7-20_30_135-- Trim Coil 2.0 A
Gauss-meters
-2.8
-3
-3.2
-3.4
-3.6
-3.8
-4
0
0.5
1
1.5
2
2.5
Y (cm)
First Integral (Y=0)
x 10 -3
Gauss-meters2
-0.28
-0.3
-0.32
-0.34
-0.36
-0.38
-0.4
0
0.5
1
1.5
2
2.5
Y (cm)
Second Integral (Y=0)

02/08/19   16.53

Test Boundary Conditions for w7-20_30_135