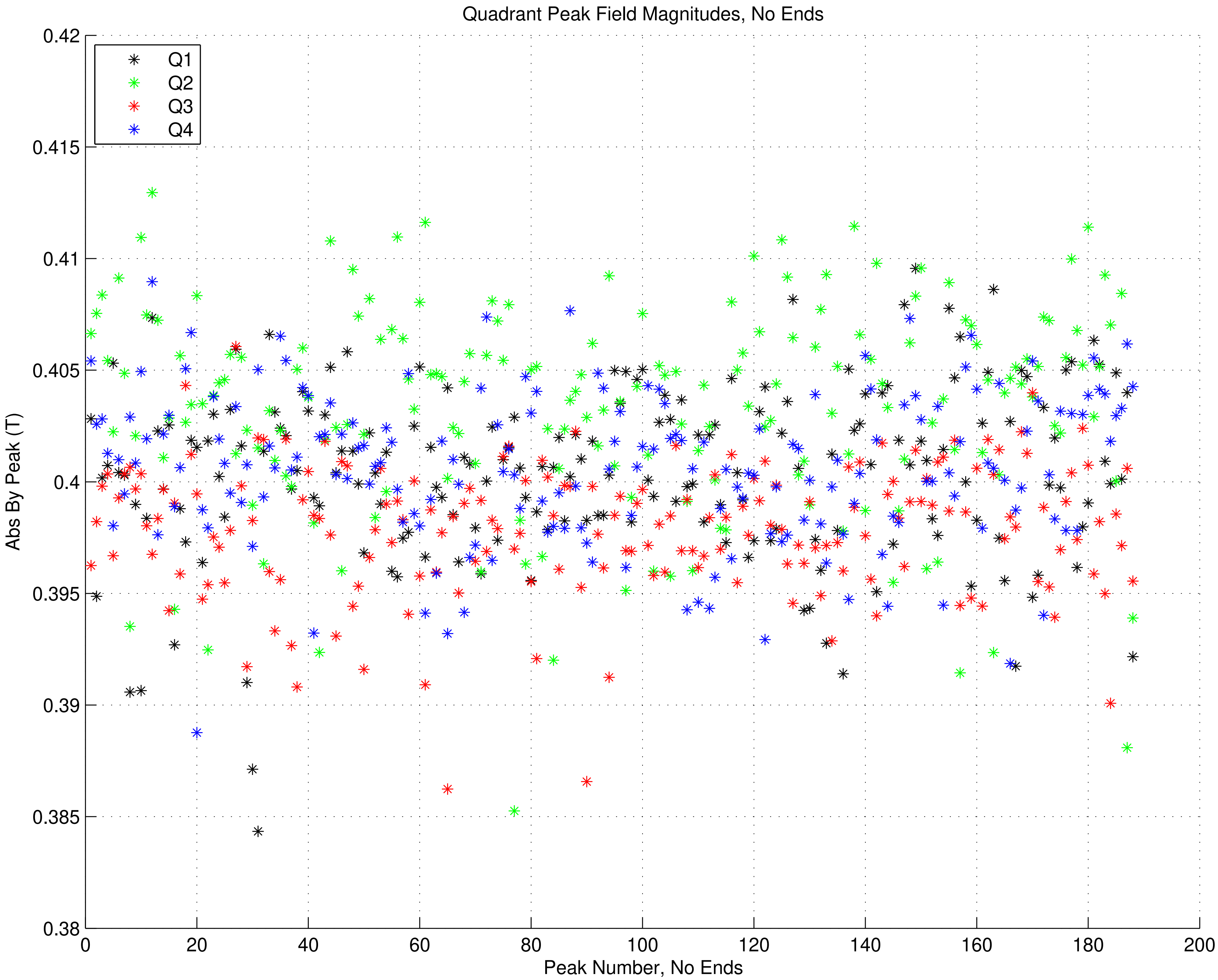
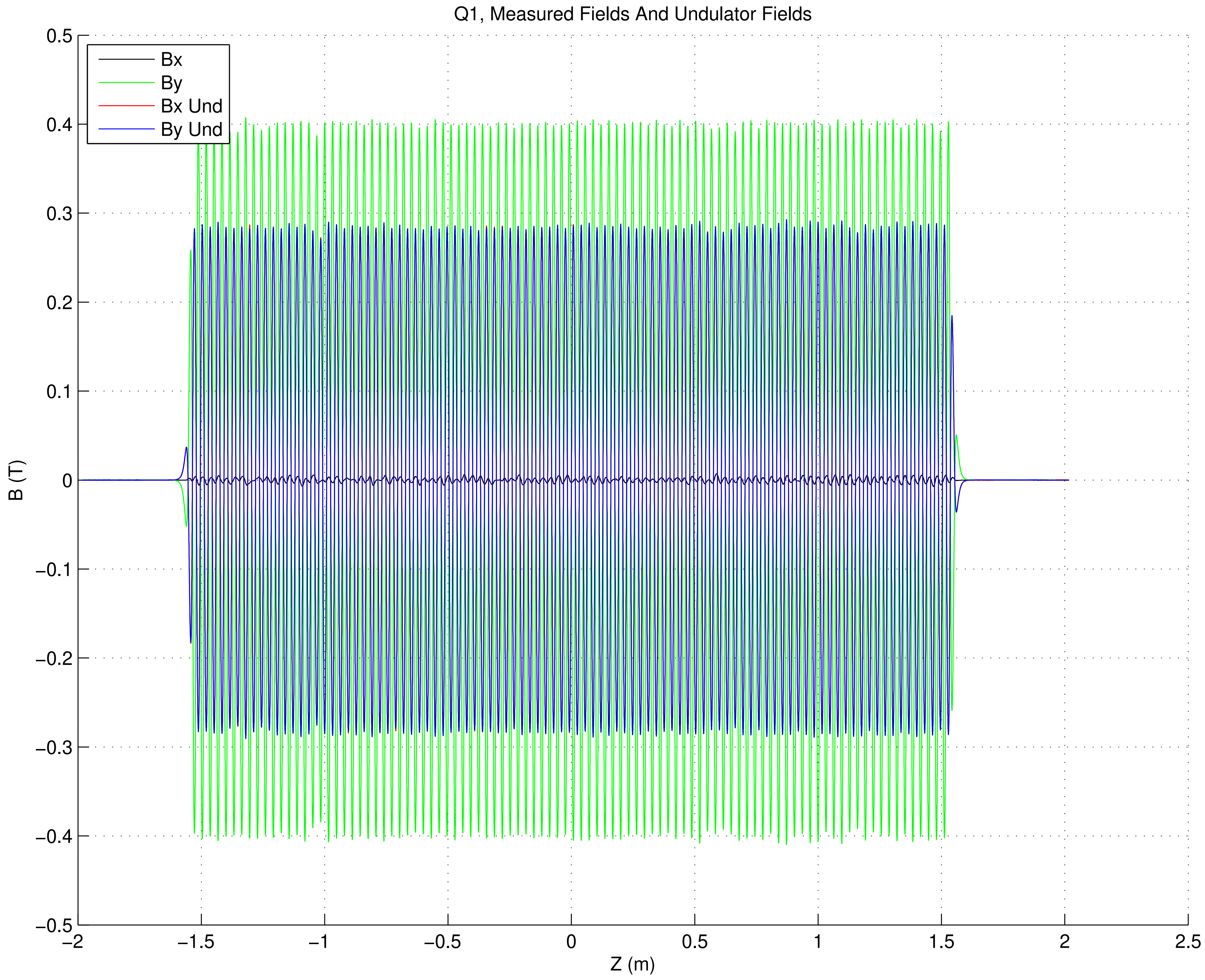
SLAC Magnetic Measurements
Date: 01–13–2015
Time: 16:24:36

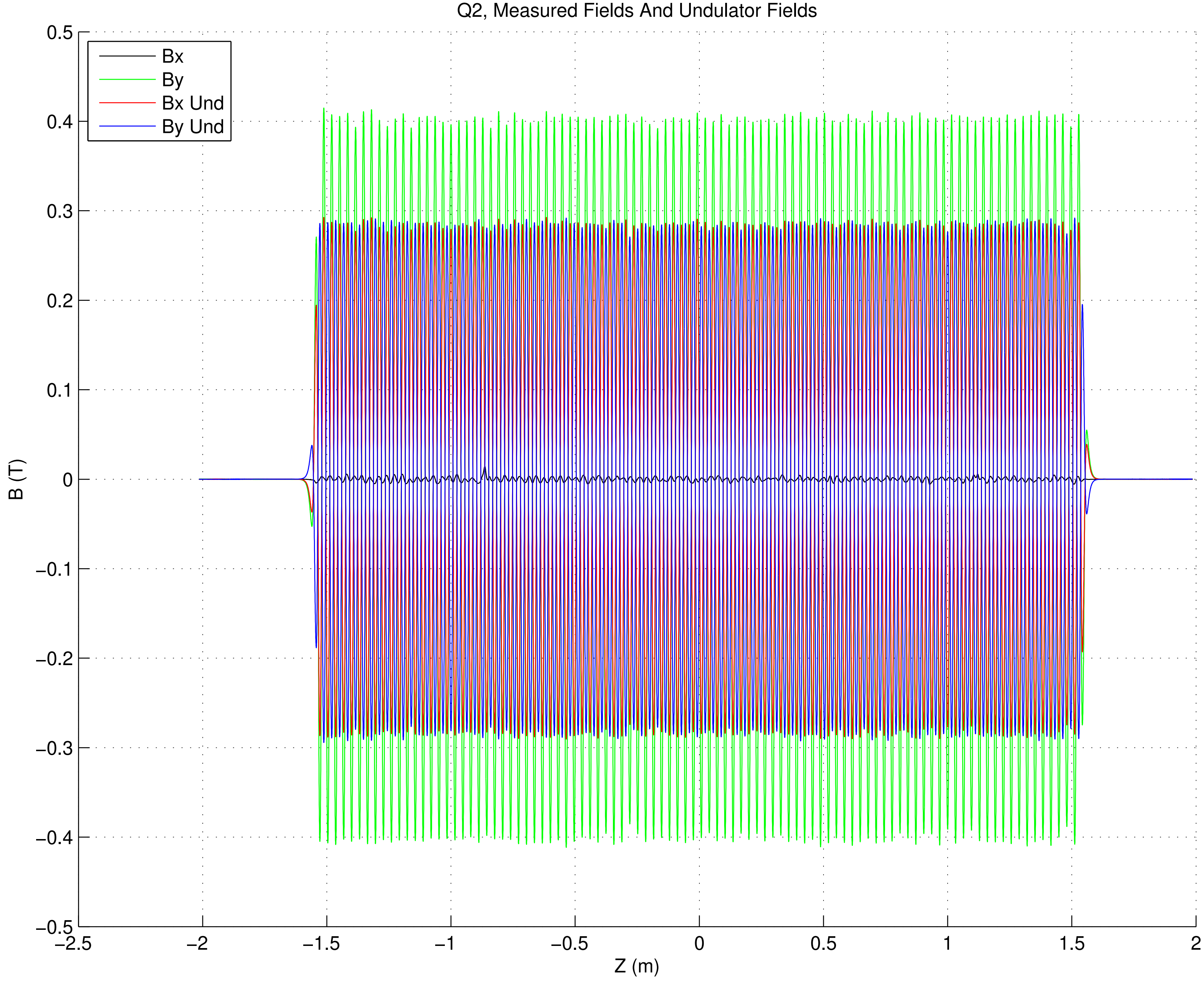
Calculate Delta Undulator Fields From Quadrant Measurements



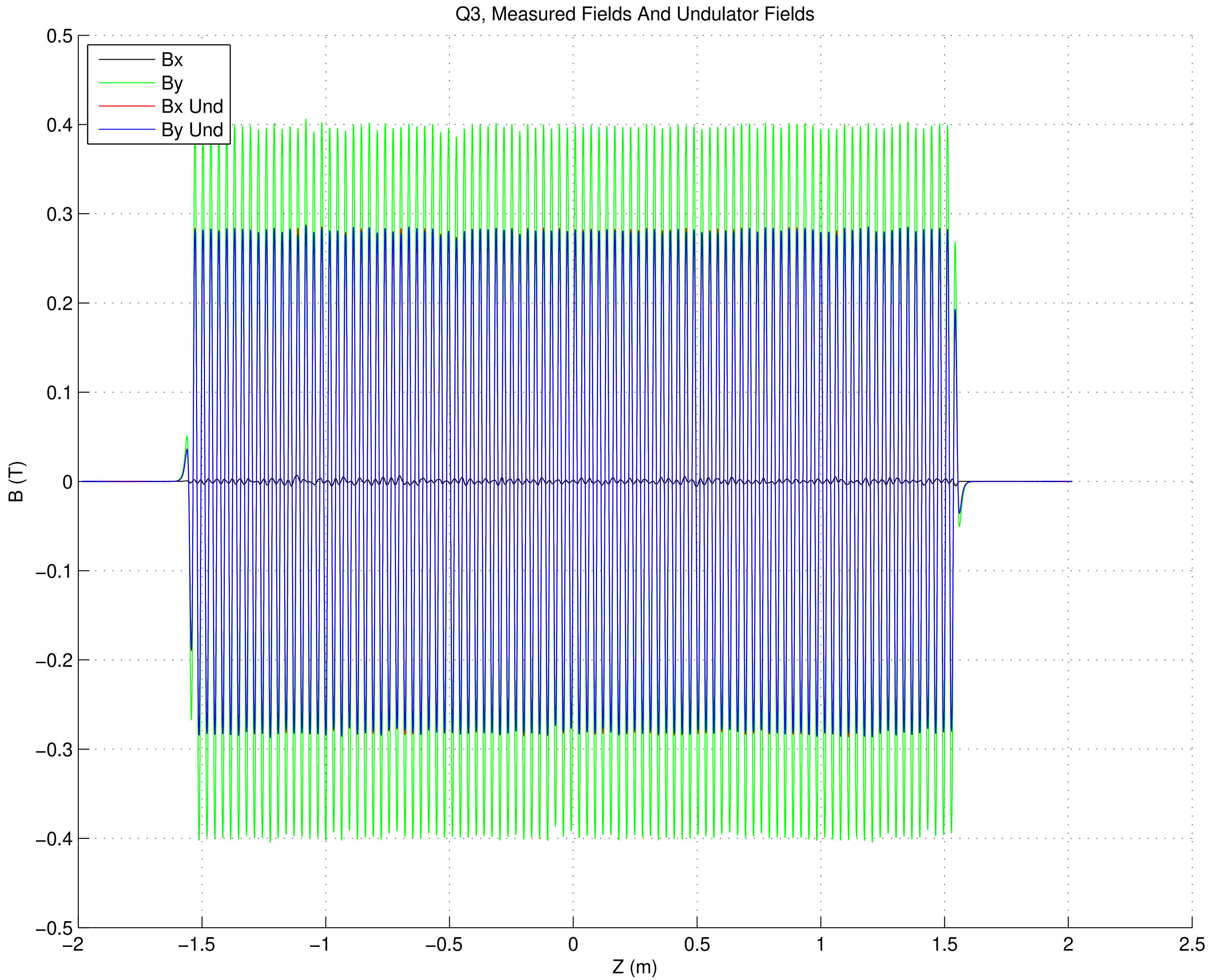
Quadrant Peak Field Magnitudes, No Ends
Q1
Q2
Q3
Q4
Abs By Peak (T)
0.42
0.415
0.41
0.405
0.4
0.395
0.39
0.385
0.38
0
20
40
60
80
100
120
140
160
180
200
Peak Number, No Ends



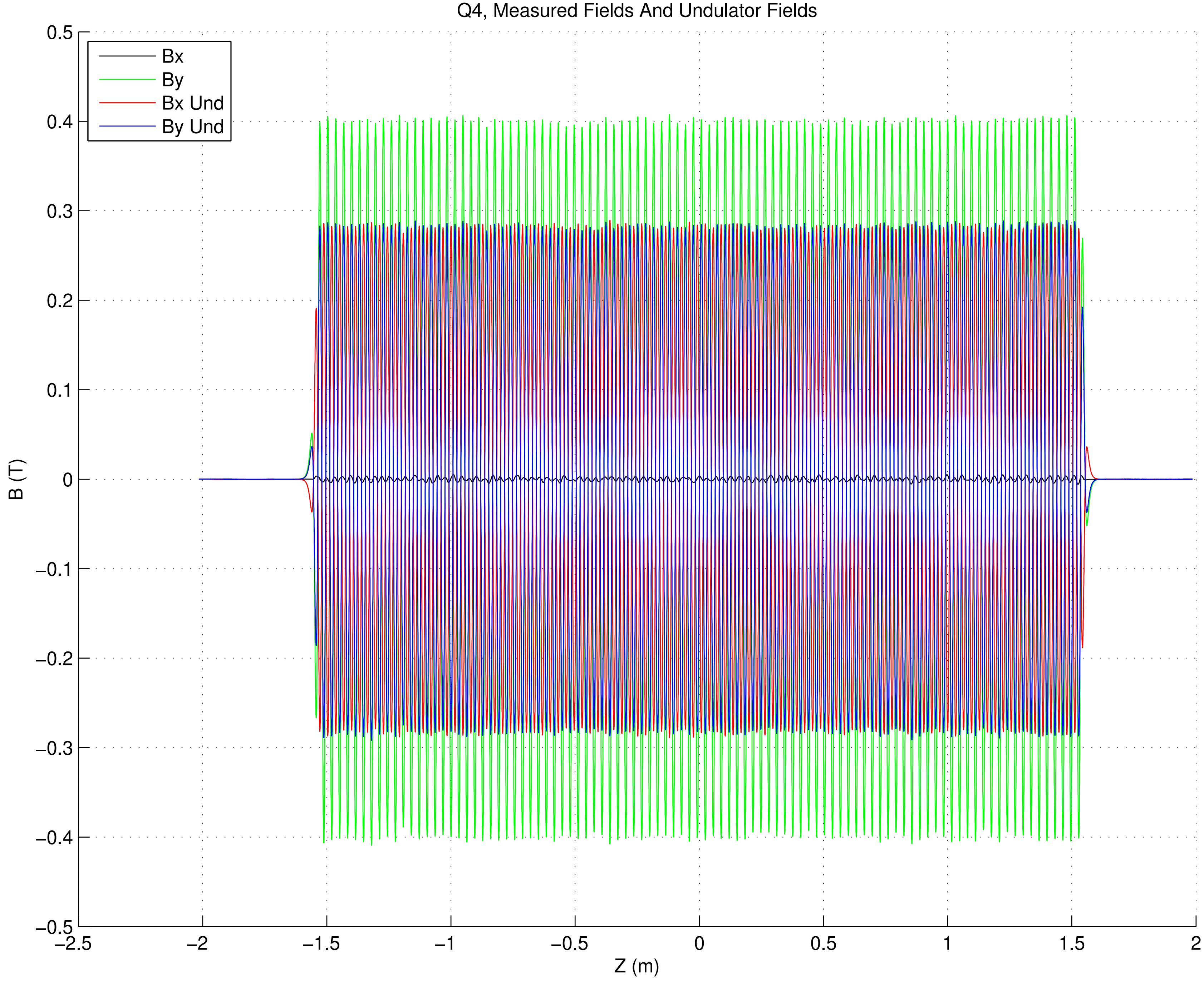
Q1, Measured Fields And Undulator Fields
Bx
By
Bx Und
By Und
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
B (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
Z (m)



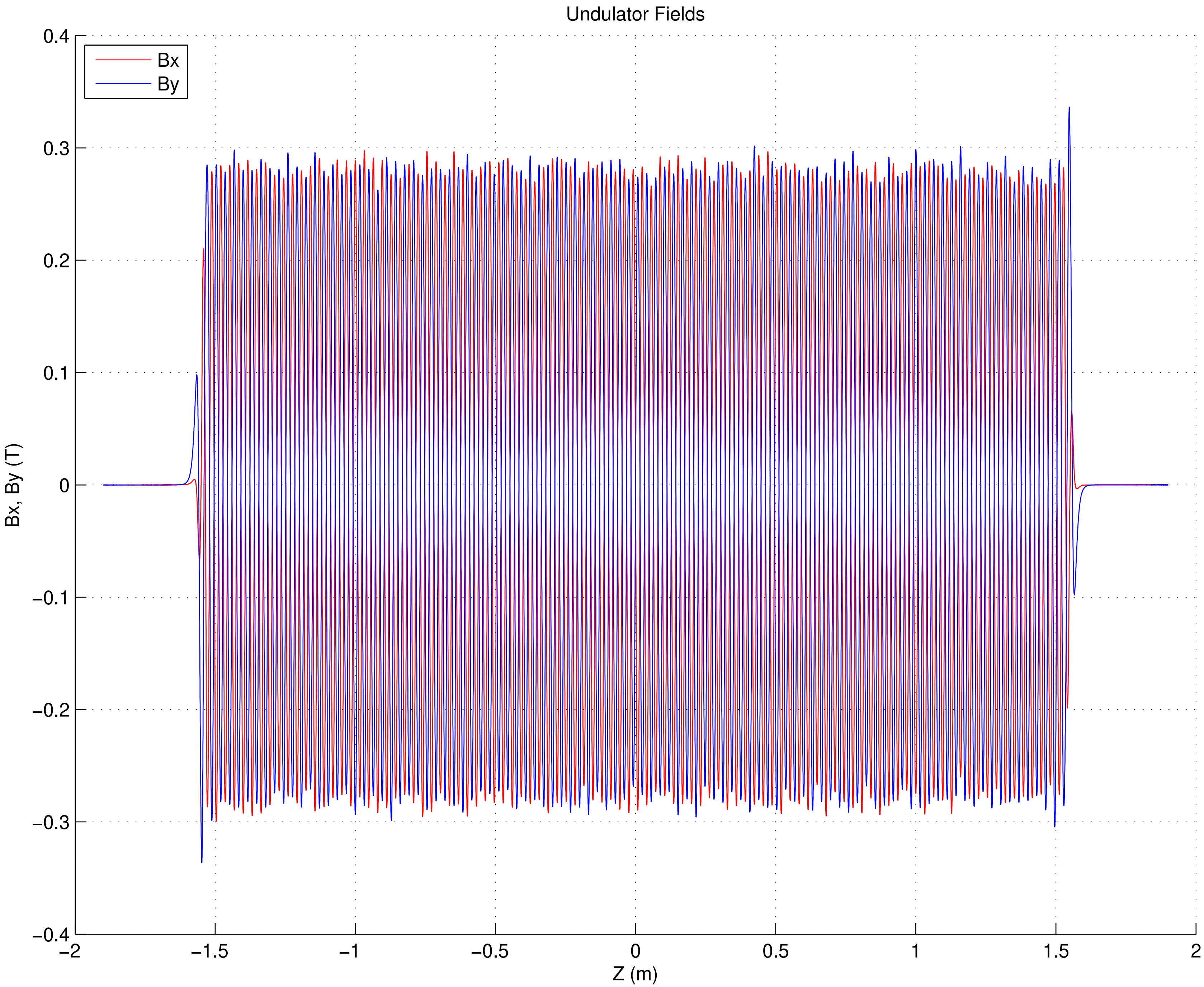
Q2, Measured Fields And Undulator Fields
Bx
By
Bx Und
By Und
B (T)
Z (m)
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



Q3, Measured Fields And Undulator Fields
Bx
By
Bx Und
By Und
B (T)
Z (m)
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5



Q4, Measured Fields And Undulator Fields
Bx
By
Bx Und
By Und
B (T)
Z (m)
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



Undulator Fields
Bx
By
Bx, By (T)
Z (m)
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2