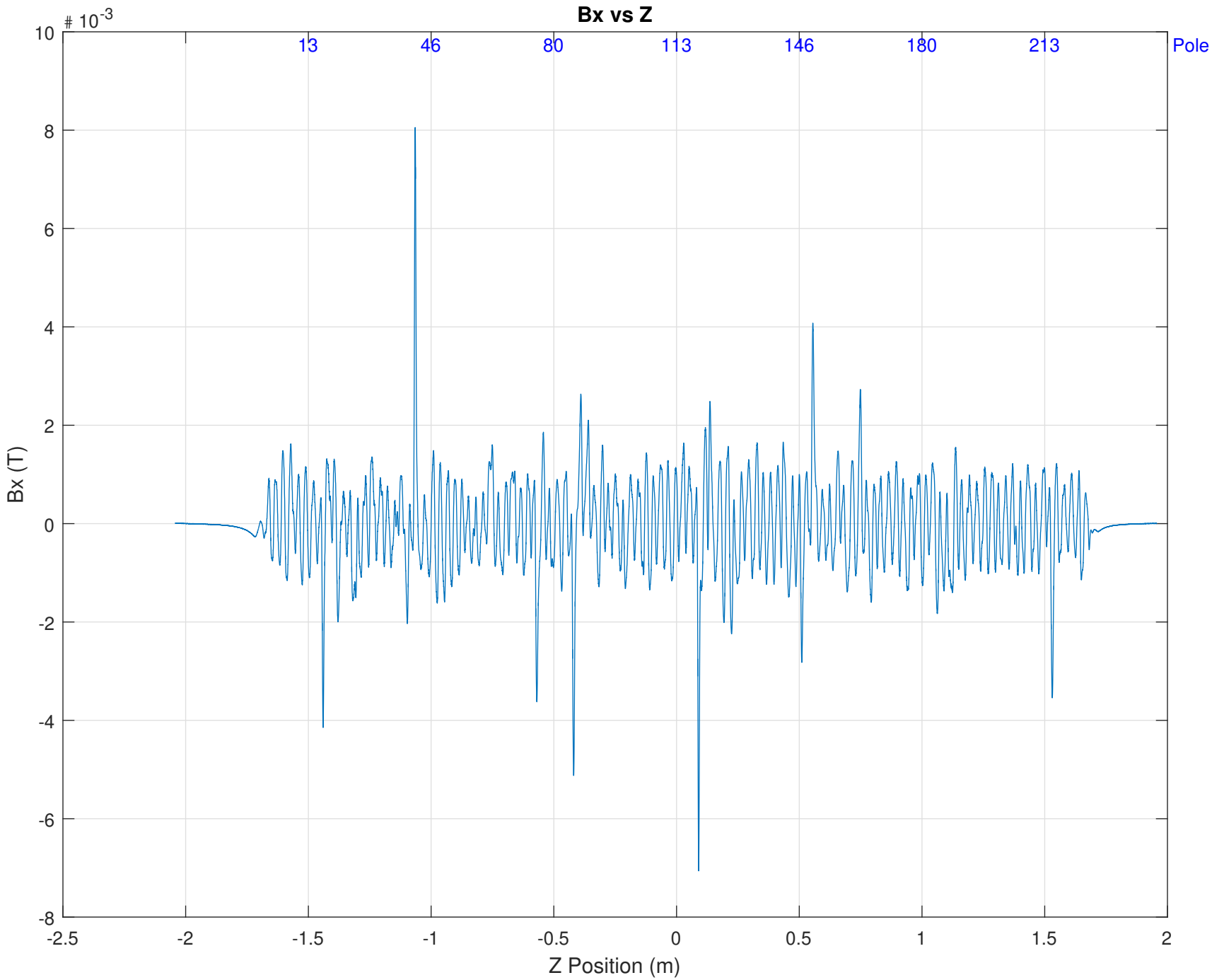
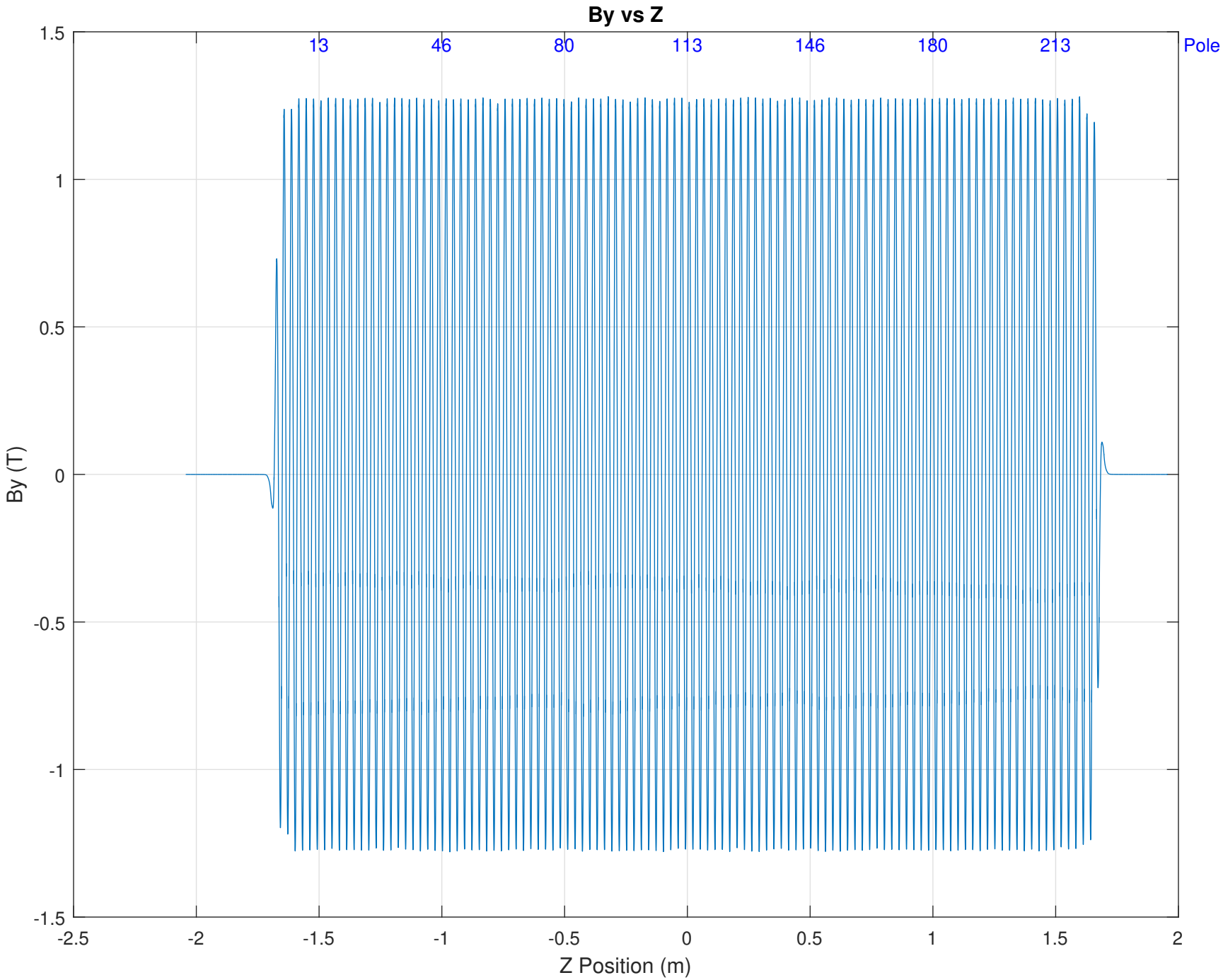
SLAC Magnetic Measurements

Planar Insertion Device Analysis

Parameters:
INPUT-FILE-DIR =s:\magdata\LCLS\Undulator\L143-112000-18\DATASET0006\Fine Tuning\Z Scans\Run 007\
INPUT-FILE-NAME =x+00000-y+000-bscanz.dat
INPUT-FILE-TYPE =ZVXYBXYH
CORR-REQUIRED =1
GAMMA =26627.1
NOM-LAMBDA-U =0.03
NOM-K-VALUE =3.4986
NOM-LAMBDA-R =1.5064e-10
NUM-POLES =226
NUM-END-POLES =4
CELL-LENGTH =3.656


Bx vs Z
10^-3
10
8
6
4
2
0
-2
-4
-6
-8
13
46
80
113
146
180
213
Pole
Bx (T)
-2.5
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2
Z Position (m)


By vs Z
13
46
80
113
146
180
213
Pole
1.5
1
0.5
0
-0.5
-1
-1.5
By (T)
-2.5
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2
Z Position (m)