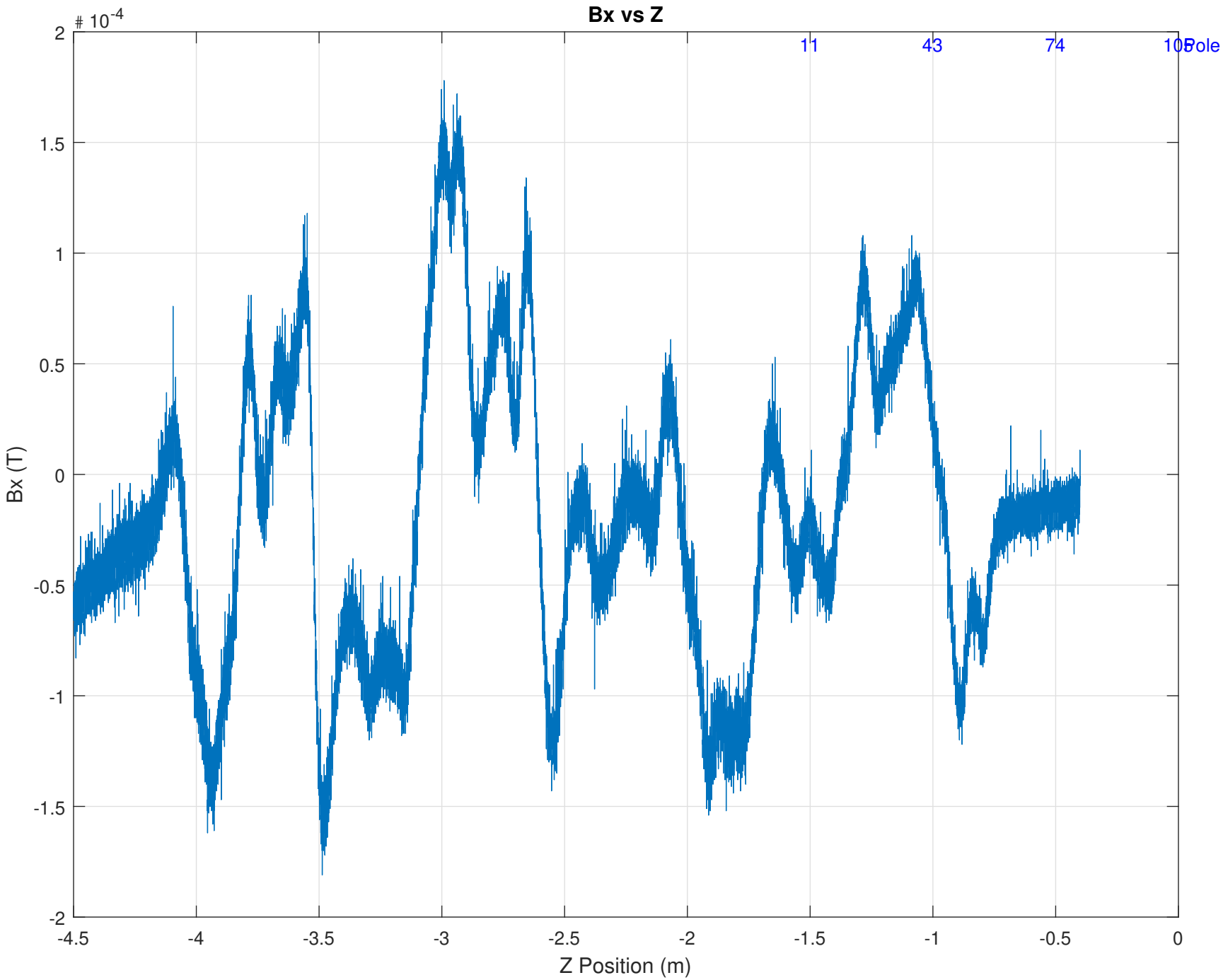
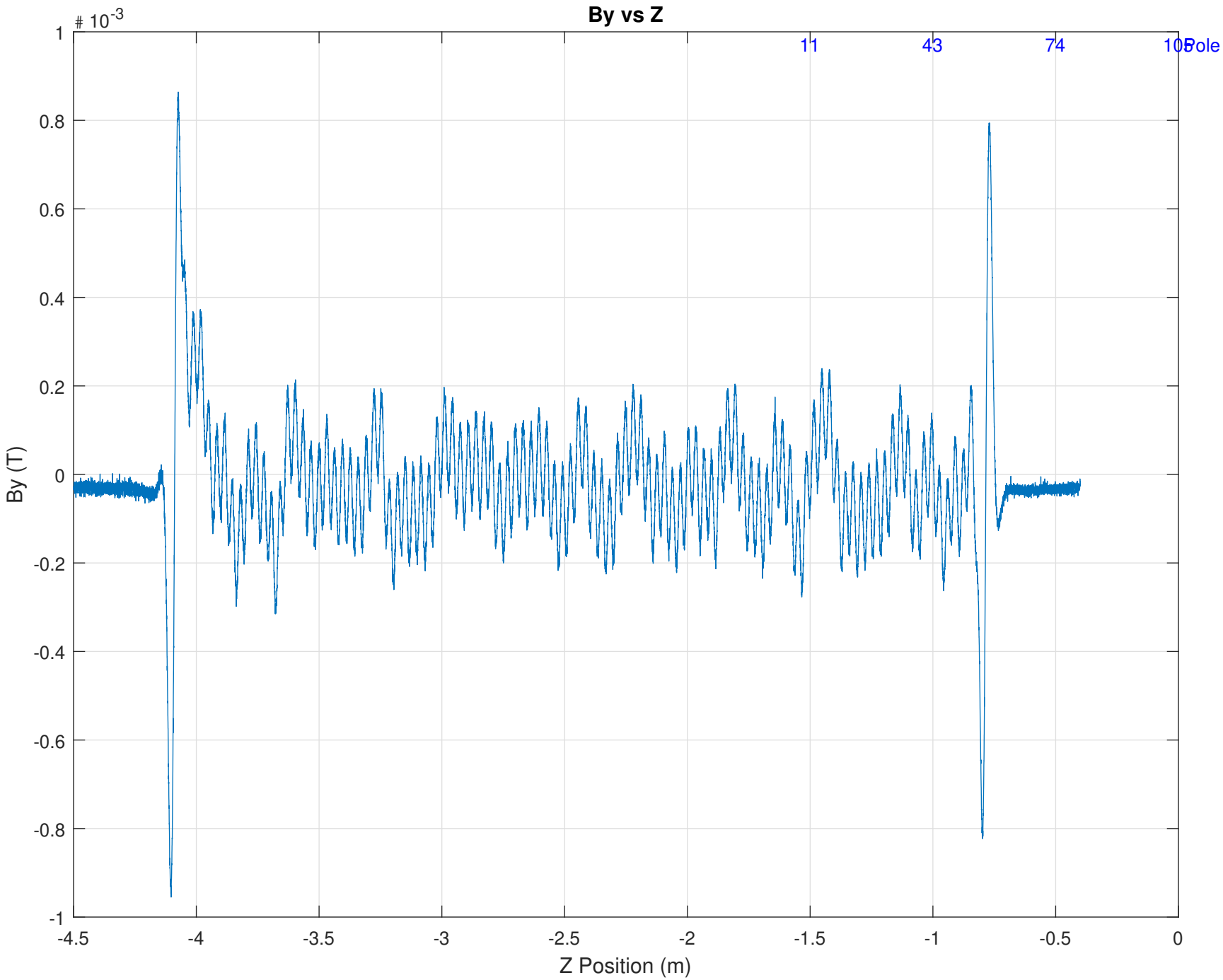
SLAC Magnetic Measurements

Planar Insertion Device Analysis

Parameters:
INPUT-FILE-DIR =C:\magdata\LCLS\Undulator\HXU-32\DATASET0001\Fine Tuning\Z Scans\Run 027\
INPUT-FILE-NAME =x+00000-y+000-bscanz.dat
INPUT-FILE-TYPE =ZVXYBXYH
CORR-REQUIRED =1
GAMMA =7827.79
NOM-LAMBDA-U =0.032
NOM-K-VALUE =2.7
NOM-LAMBDA-R =1.2129e-09
NUM-POLES =210
NUM-END-POLES =4
CELL-LENGTH =3.656


Bx vs Z
10^-4
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
Bx (T)
11
43
74
105
Pole
-4.5
-4
-3.5
-3
-2.5
-2
-1.5
-1
-0.5
0
Z Position (m)


By vs Z
10^-3
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
By (T)
11
43
74
105
Pole
-4.5
-4
-3.5
-3
-2.5
-2
-1.5
-1
-0.5
0
Z Position (m)