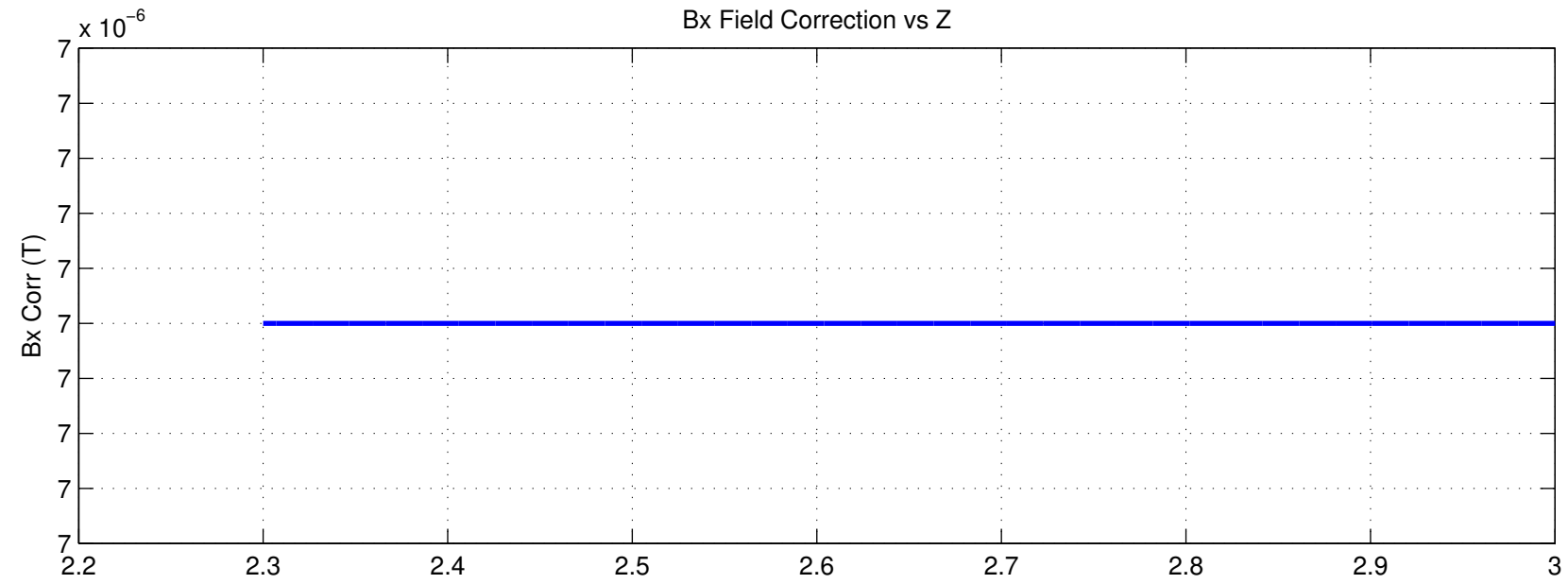
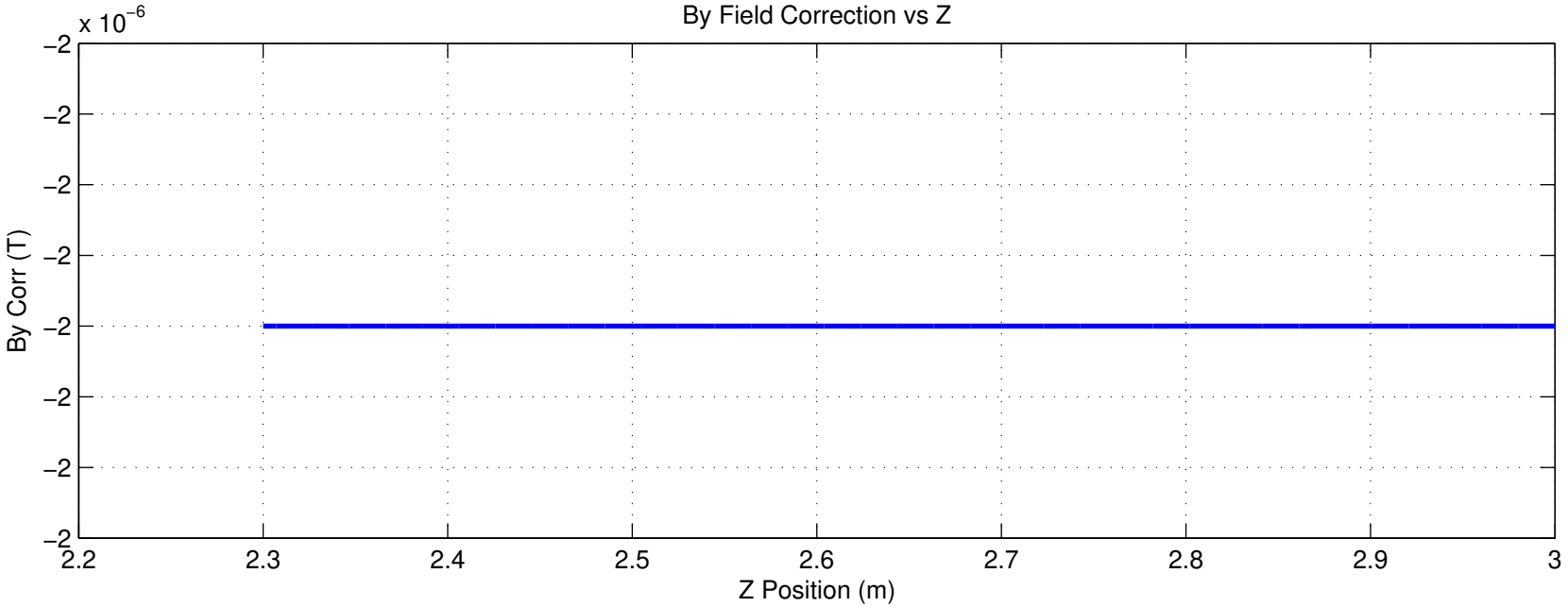
SLAC Magnetic Measurements

Planar Insertion Device Analysis

Parameters:
INPUT−FILE−DIR =S:\MagData\LCLS\Undulator\ECKO7−33\DATASET0002\Fine Tuning\Z Scans\Run 001\
INPUT−FILE−NAME =earth−fields−bscanz.dat
INPUT−FILE−TYPE =ZVXYBXYH
CORR−REQUIRED =1
GAMMA =233.3175
NOM−LAMBDA−U =0.033
NOM−K−VALUE =1.8016
NOM−LAMBDA−R =7.95e−007
NUM−POLES =25
NUM−END−POLES =4
CELL−LENGTH =0.2805


Bx Field Correction vs Z
x 10^-6
Bx Corr (T)
7
7
7
7
7
7
7
7
7
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
3


By Field Correction vs Z
x 10^-6
By Corr (T)
−2
−2
−2
−2
−2
−2
−2
−2
−2
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
3
Z Position (m)