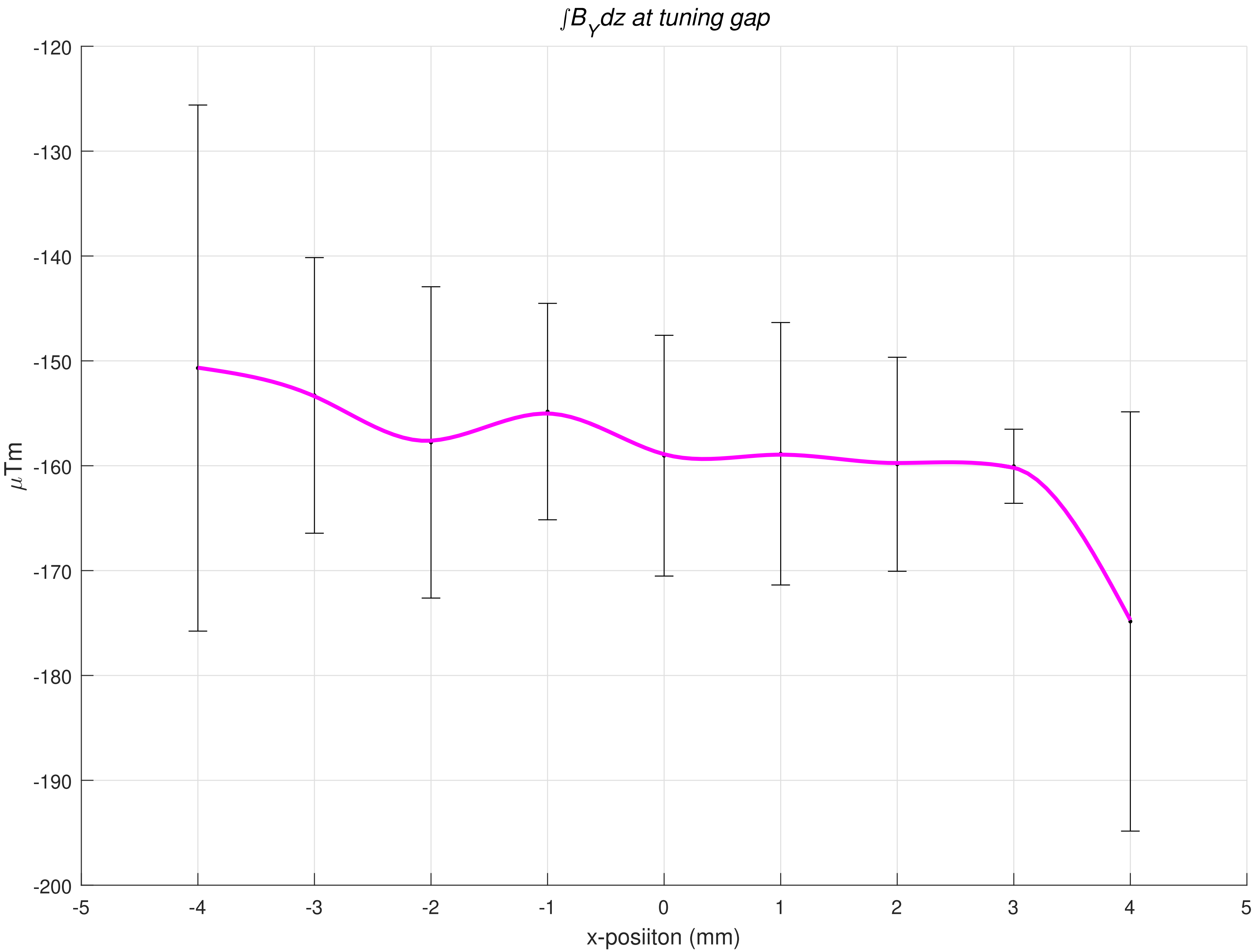
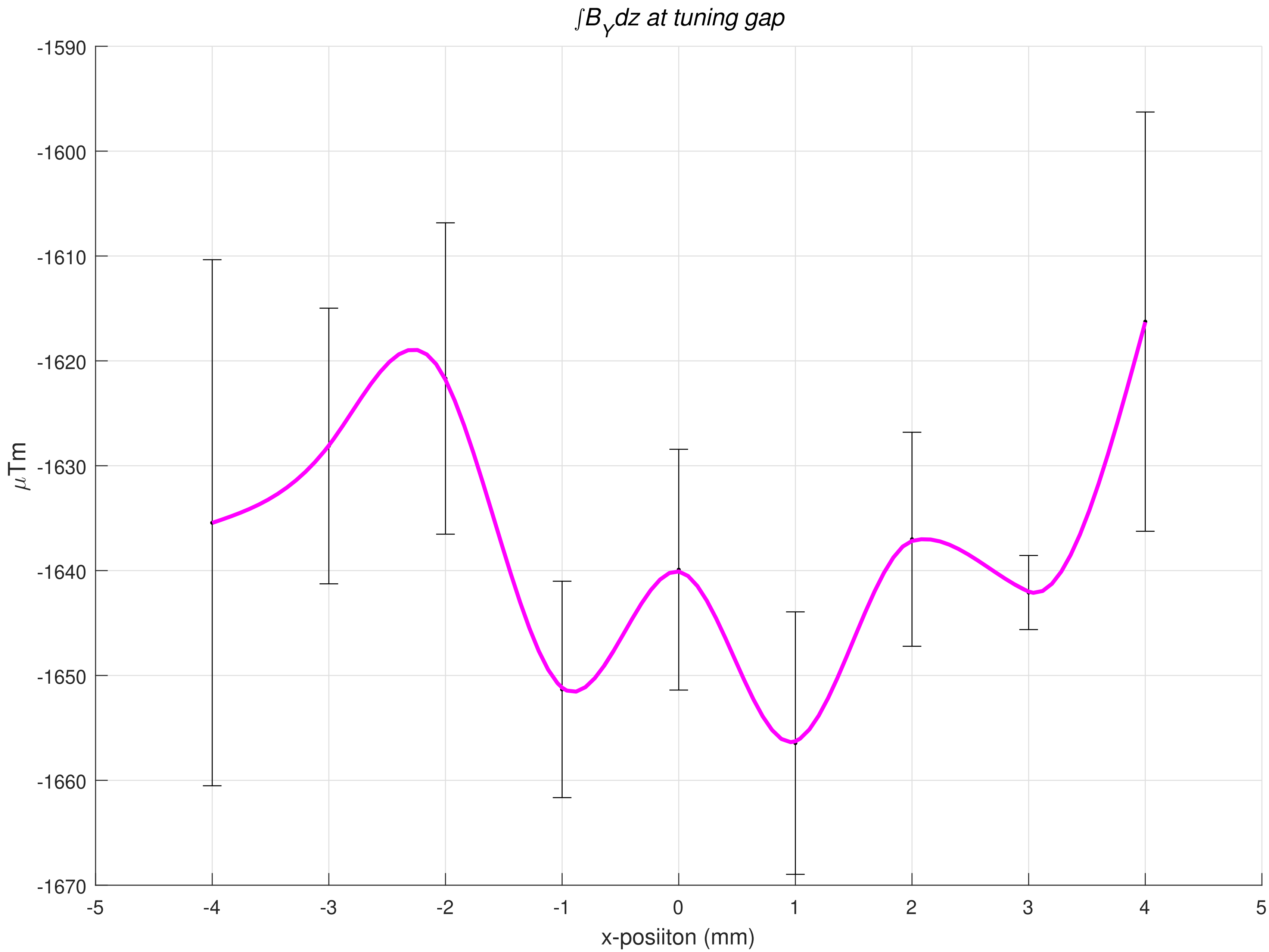
Difference in field Integrals

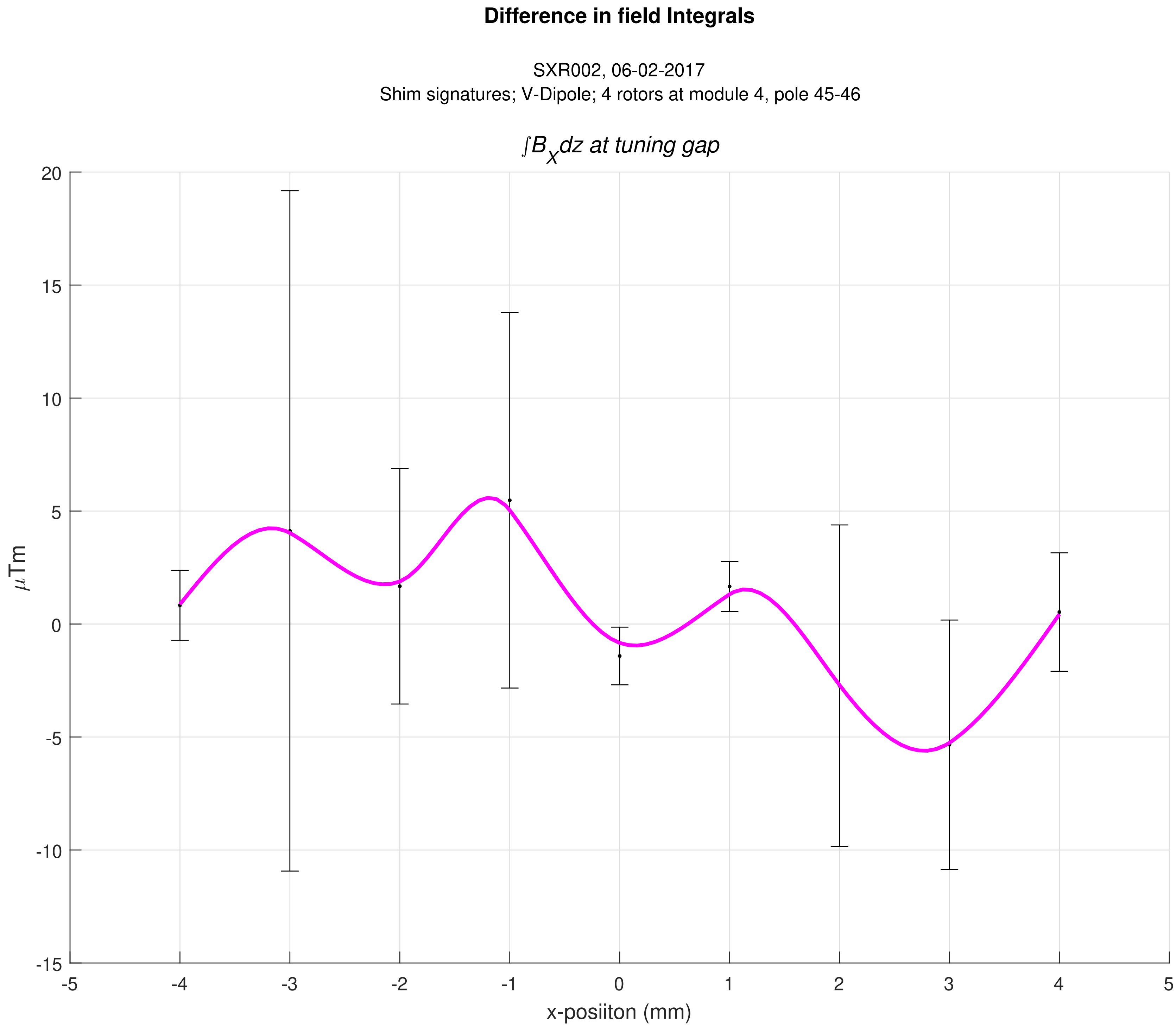
SXR002, 06-02-2017
Shim signatures; V-Dipole; 4 rotors at module 4, pole 45-46

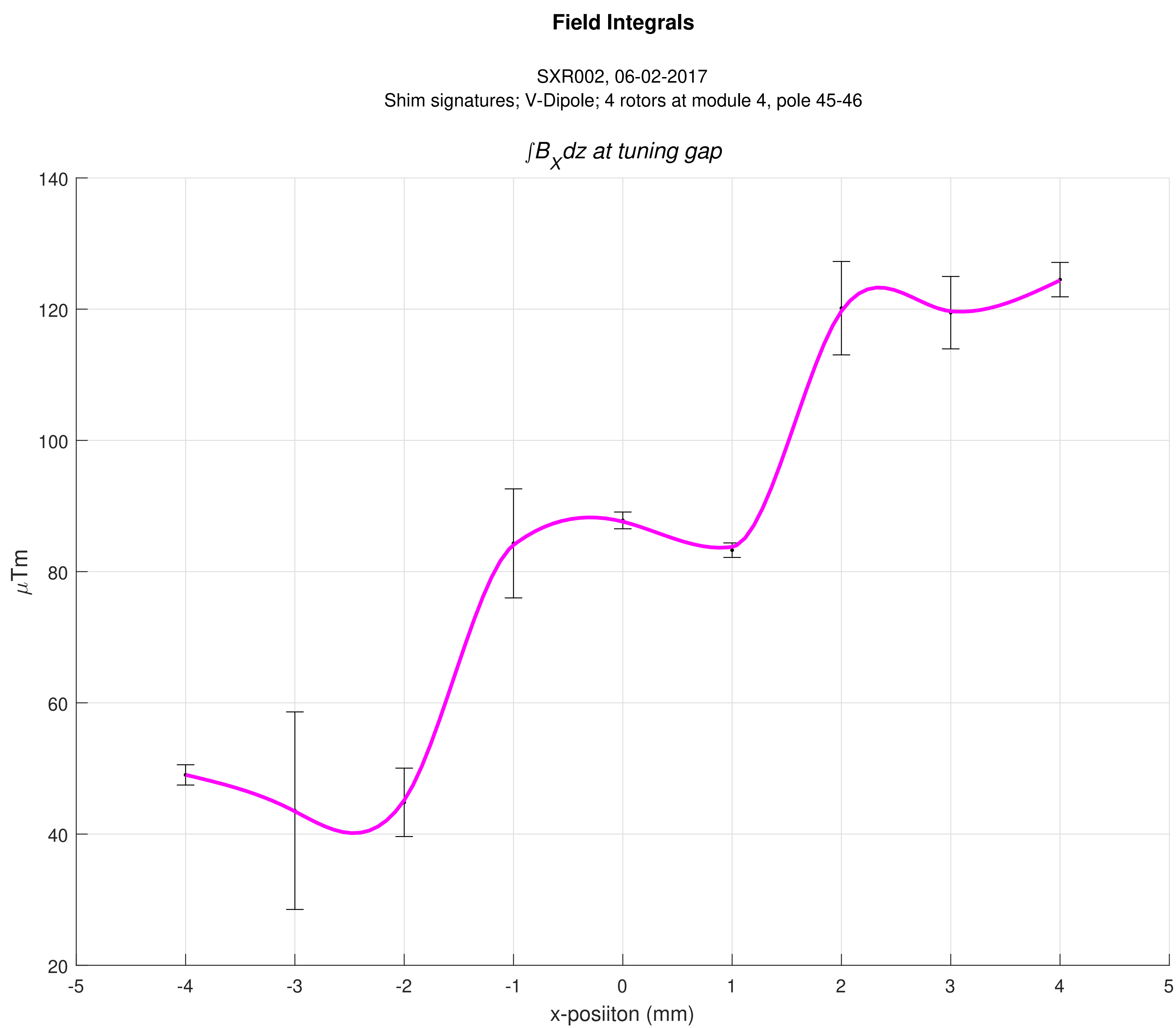


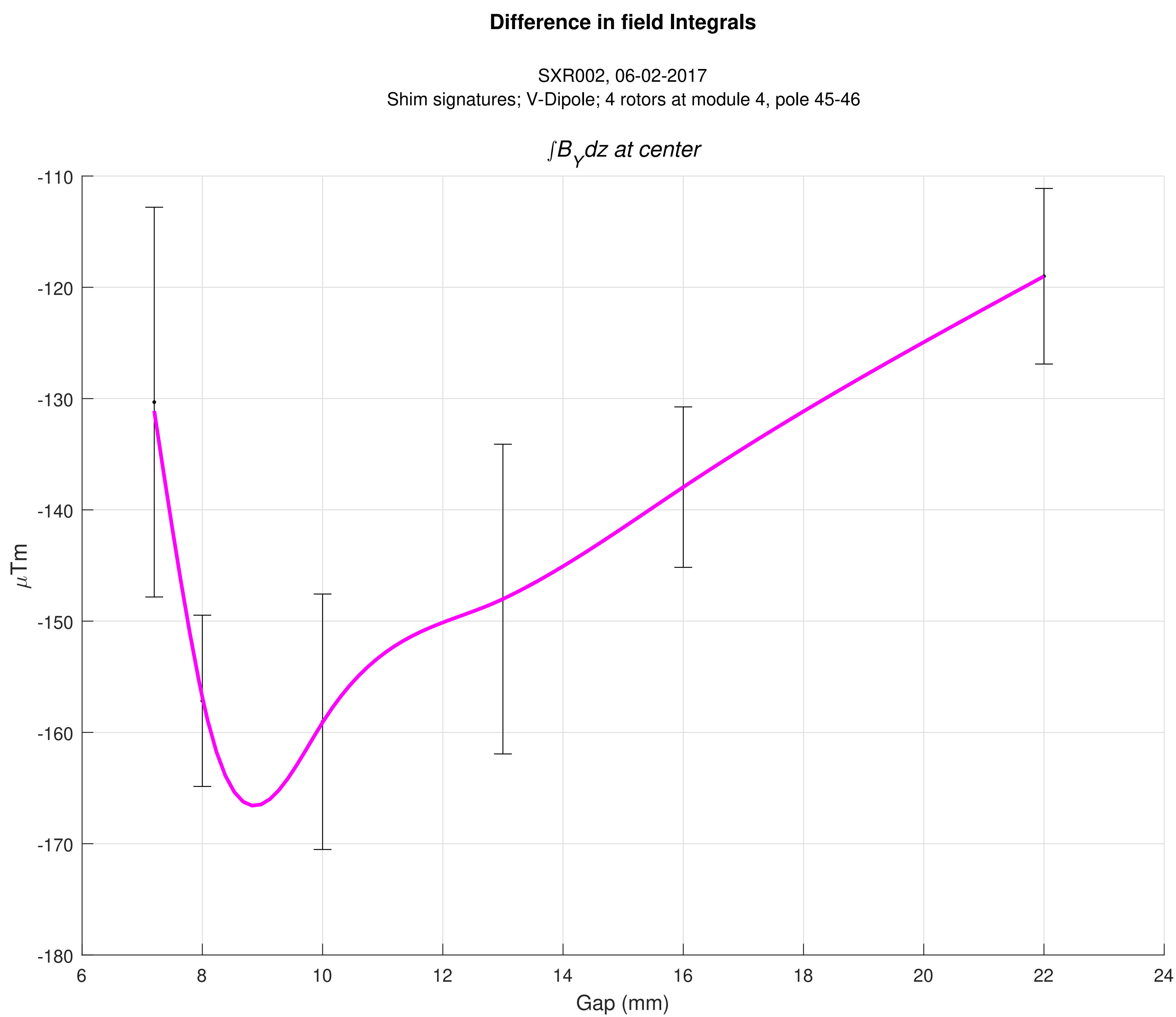
Field Integrals

SXR002, 06-02-2017
Shim signatures; V-Dipole; 4 rotors at module 4, pole 45-46



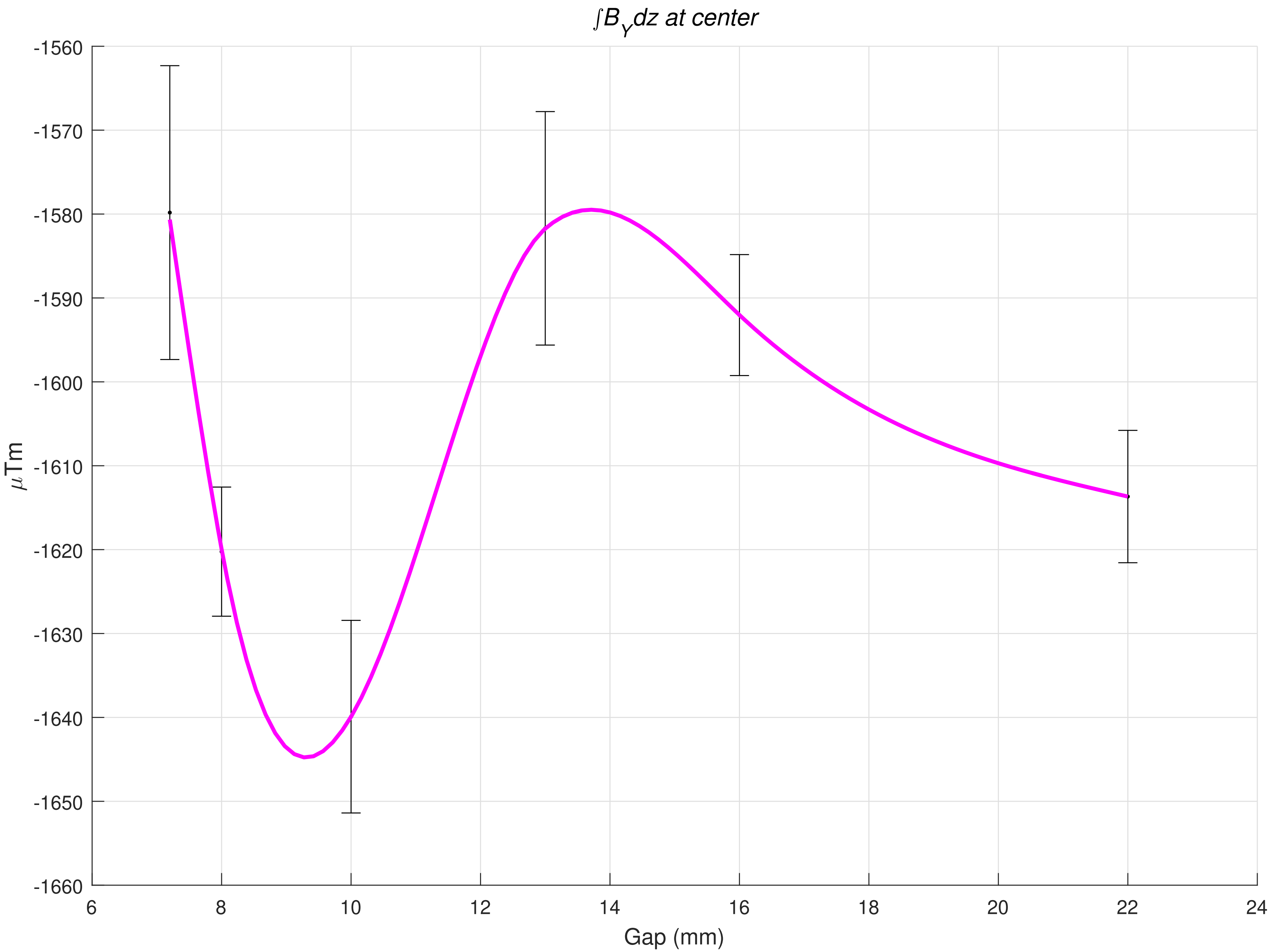

Difference in field Integrals
SXR002, 06-02-2017
Shim signatures; V-Dipole; 4 rotors at module 4, pole 45-46
∫B_x dz at tuning gap
20
15
10
5
0
-5
-10
-15
μTm
-5
-4
-3
-2
-1
0
1
2
3
4
5
x-posiiton (mm)

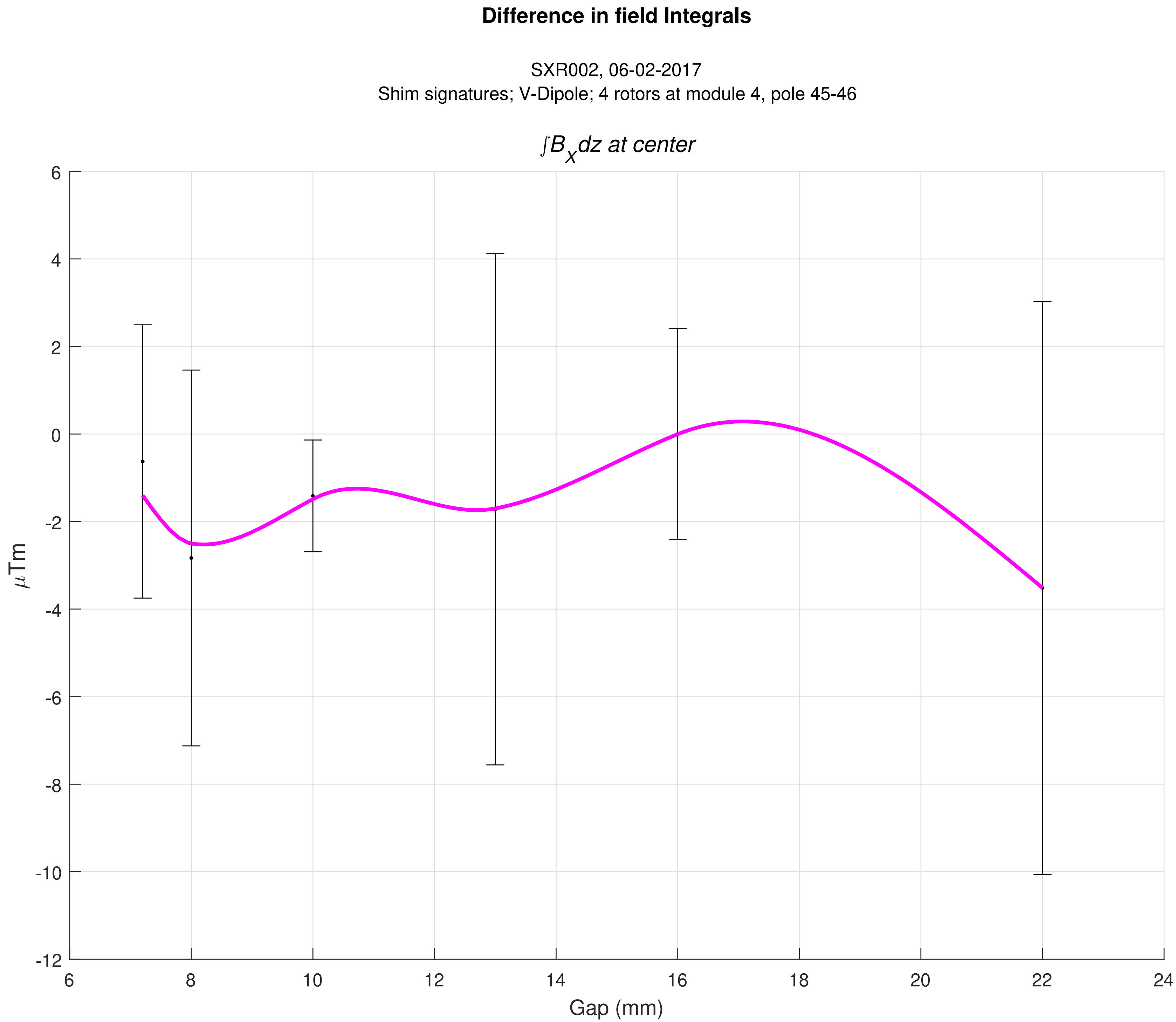

Field Integrals
SXR002, 06-02-2017
Shim signatures; V-Dipole; 4 rotors at module 4, pole 45-46
∫B_X dz at tuning gap
μTm
x-posiiton (mm)
140
120
100
80
60
40
20
-5
-4
-3
-2
-1
0
1
2
3
4
5

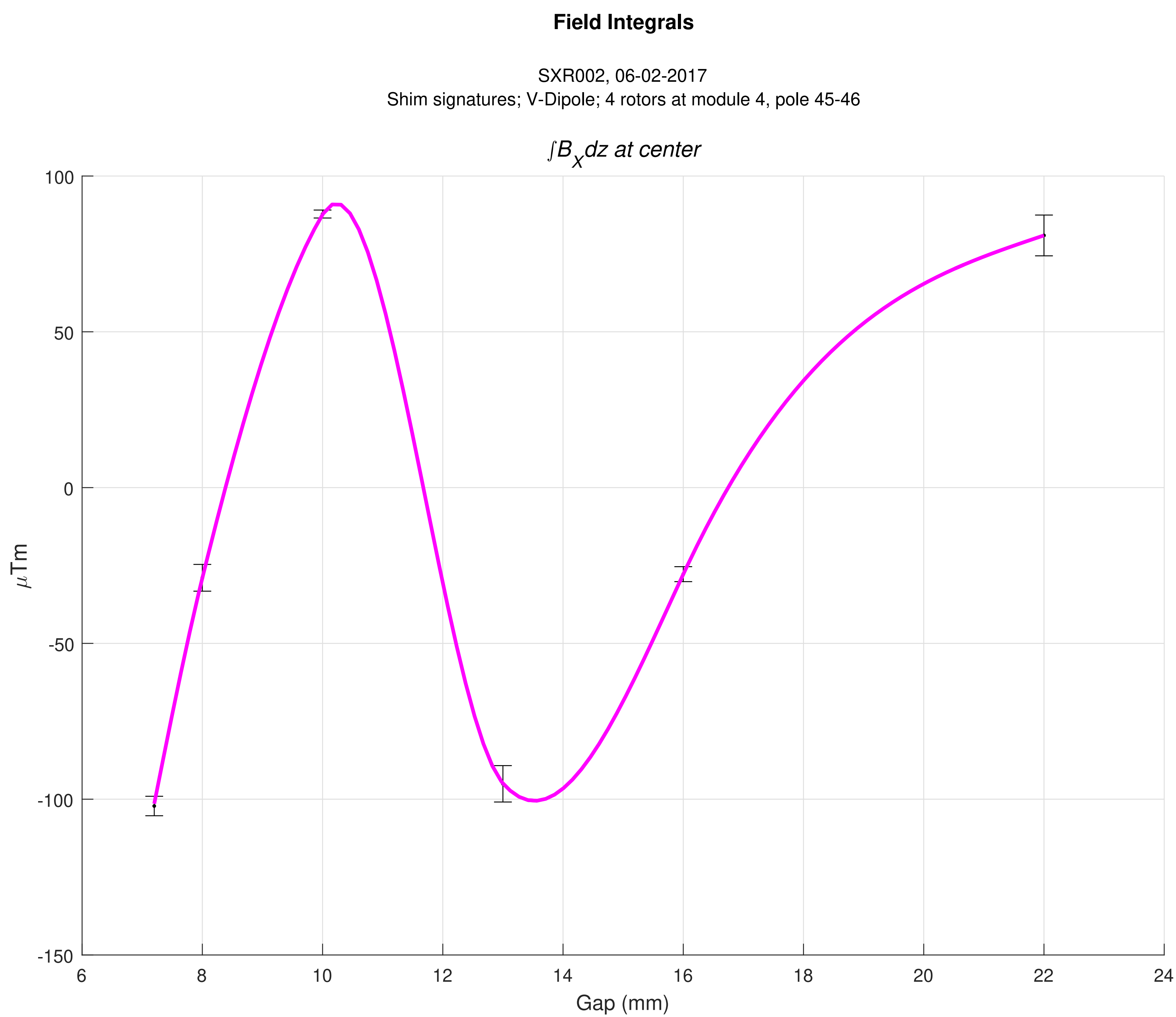

Difference in field Integrals
SXR002, 06-02-2017
Shim signatures; V-Dipole; 4 rotors at module 4, pole 45-46
$\int B_Y dz$ at center
μTm
-110
-120
-130
-140
-150
-160
-170
-180
6
8
10
12
14
16
18
20
22
24
Gap (mm)

Field Integrals

SXR002, 06-02-2017
Shim signatures; V-Dipole; 4 rotors at module 4, pole 45-46




Difference in field Integrals
SXR002, 06-02-2017
Shim signatures; V-Dipole; 4 rotors at module 4, pole 45-46
∫B_X dz at center
μTm
Gap (mm)
6
4
2
0
-2
-4
-6
-8
-10
-12
6
8
10
12
14
16
18
20
22
24


Field Integrals
SXR002, 06-02-2017
Shim signatures; V-Dipole; 4 rotors at module 4, pole 45-46
∫B_X dz at center
100
50
0
-50
-100
-150
μTm
6
8
10
12
14
16
18
20
22
24
Gap (mm)