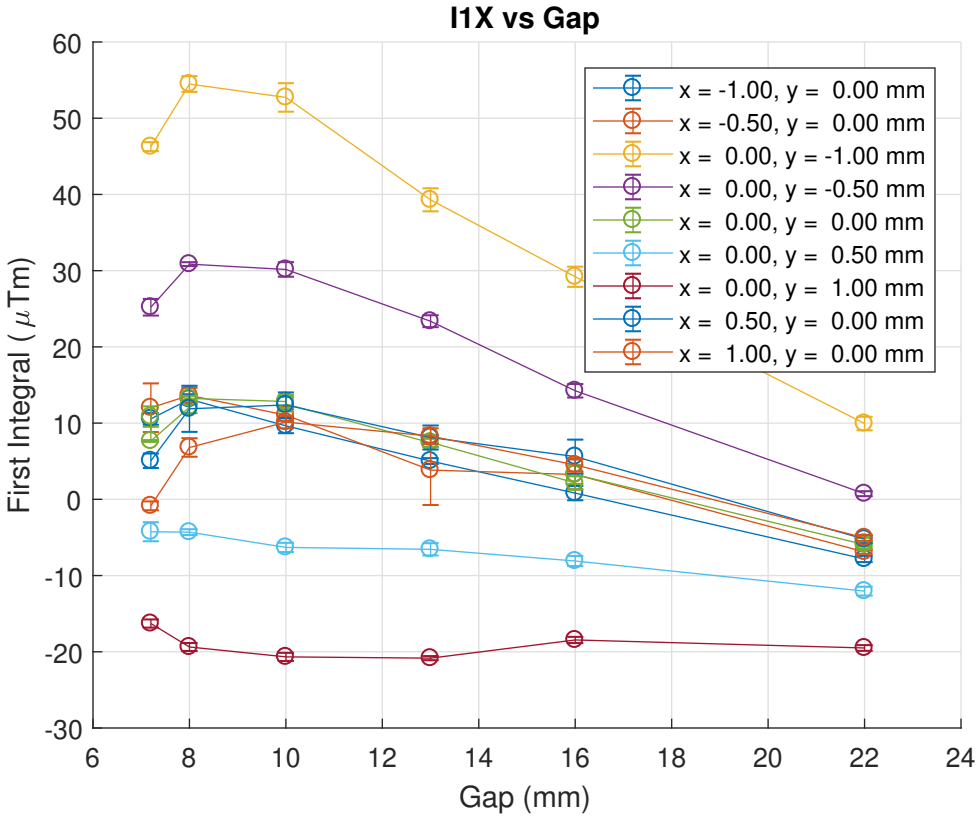
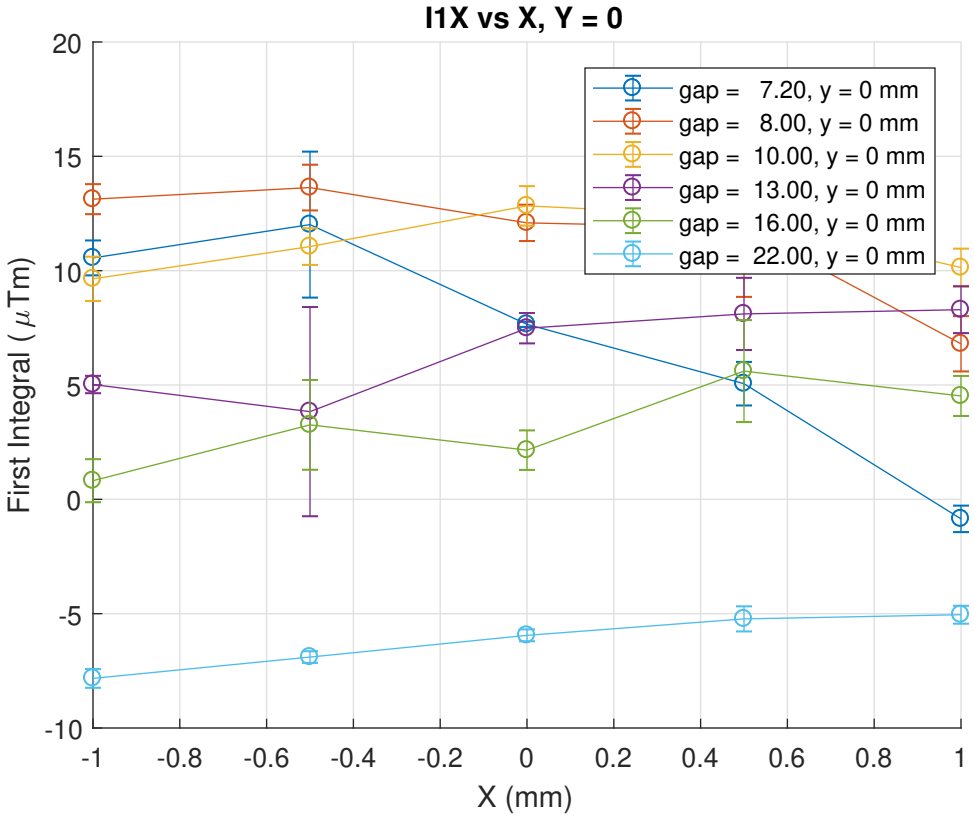
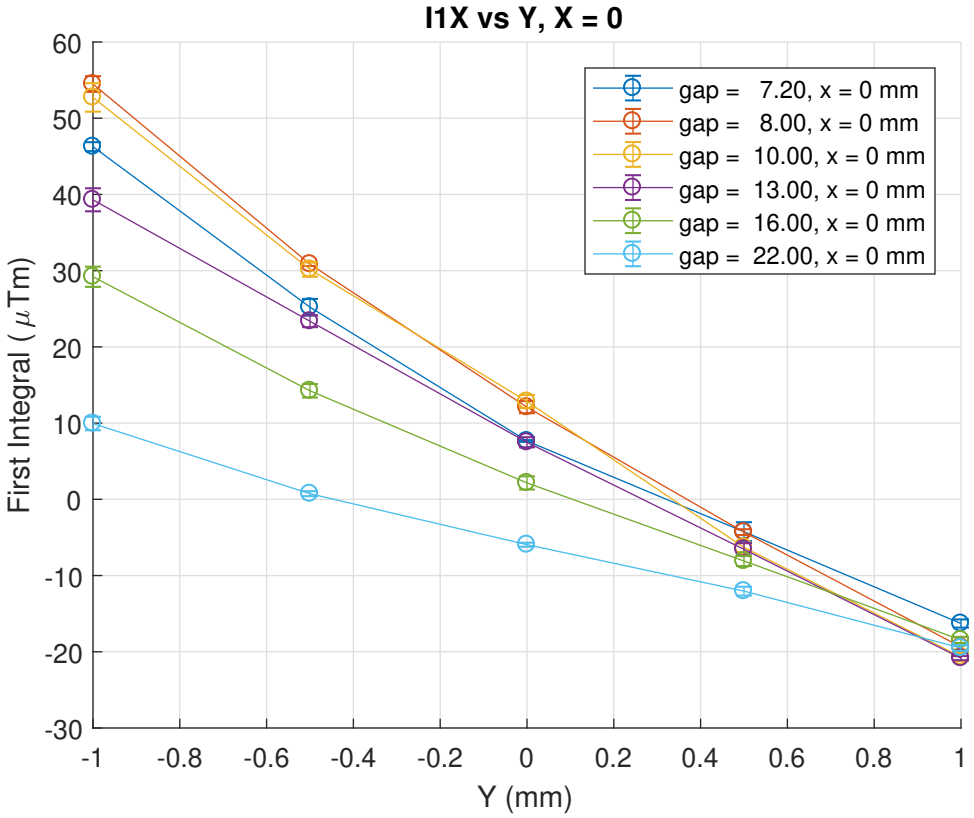
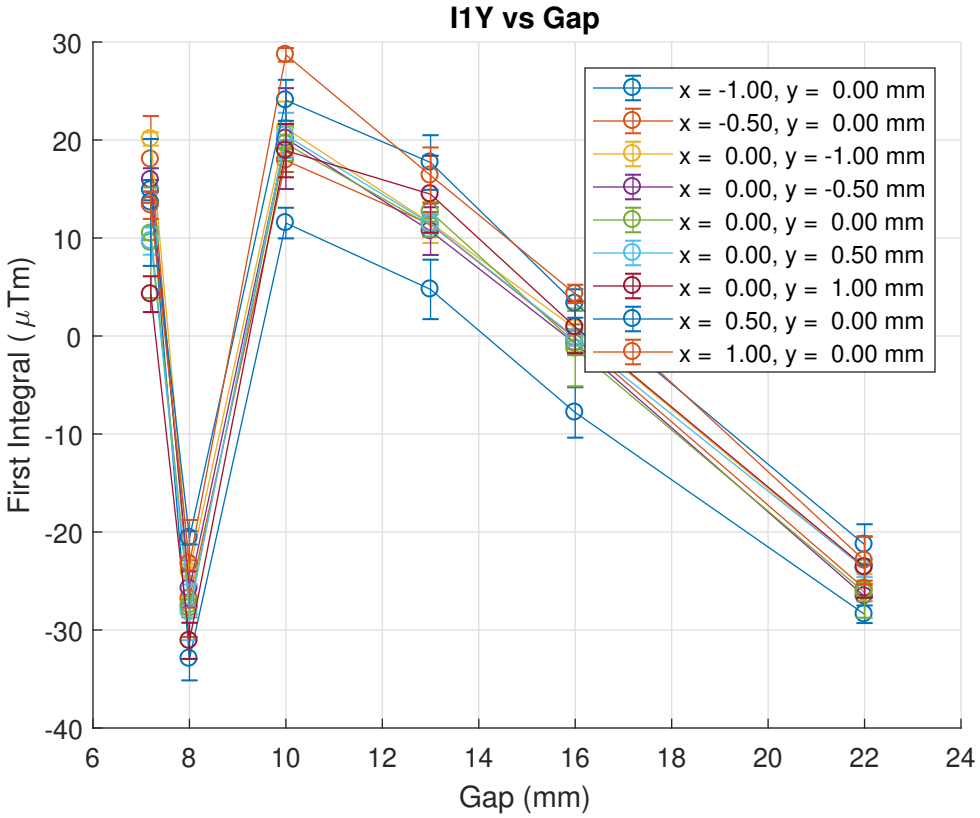
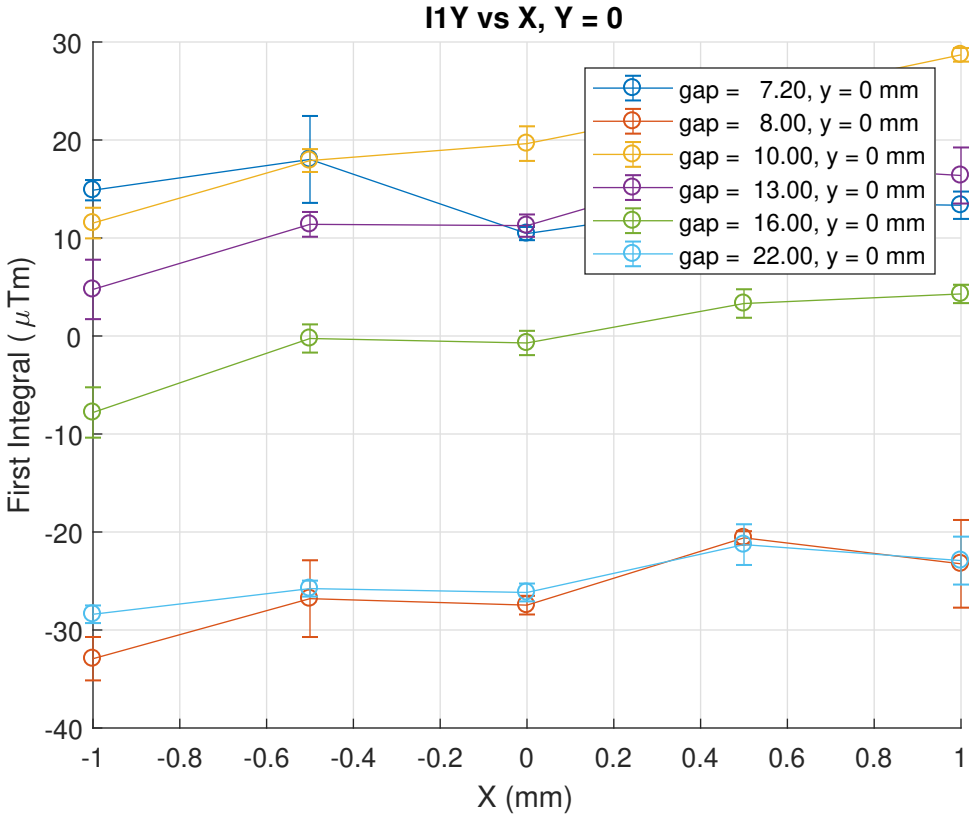
SLAC Magnetic Measurements#
Date: 08-16-2017#
Time: 07:47:15#

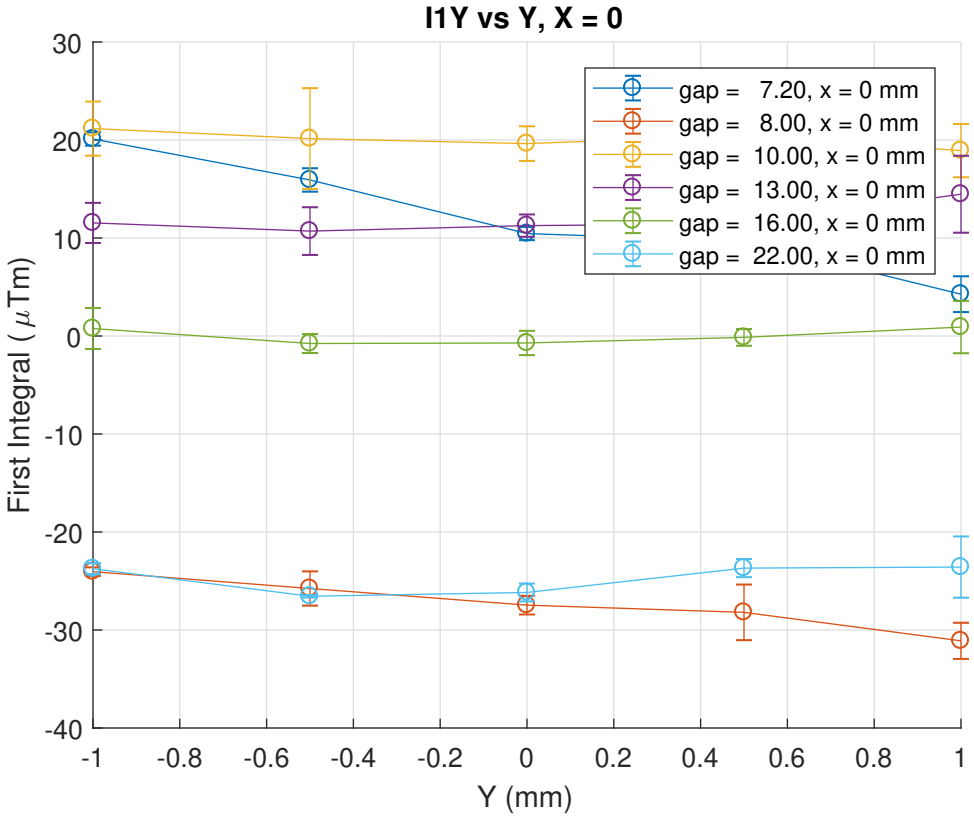

I1X vs Gap
First Integral (μTm)
Gap (mm)
60
50
40
30
20
10
0
-10
-20
-30
6
8
10
12
14
16
18
20
22
24
x = -1.00, y = 0.00 mm
x = -0.50, y = 0.00 mm
x = 0.00, y = -1.00 mm
x = 0.00, y = -0.50 mm
x = 0.00, y = 0.00 mm
x = 0.00, y = 0.50 mm
x = 0.00, y = 1.00 mm
x = 0.50, y = 0.00 mm
x = 1.00, y = 0.00 mm

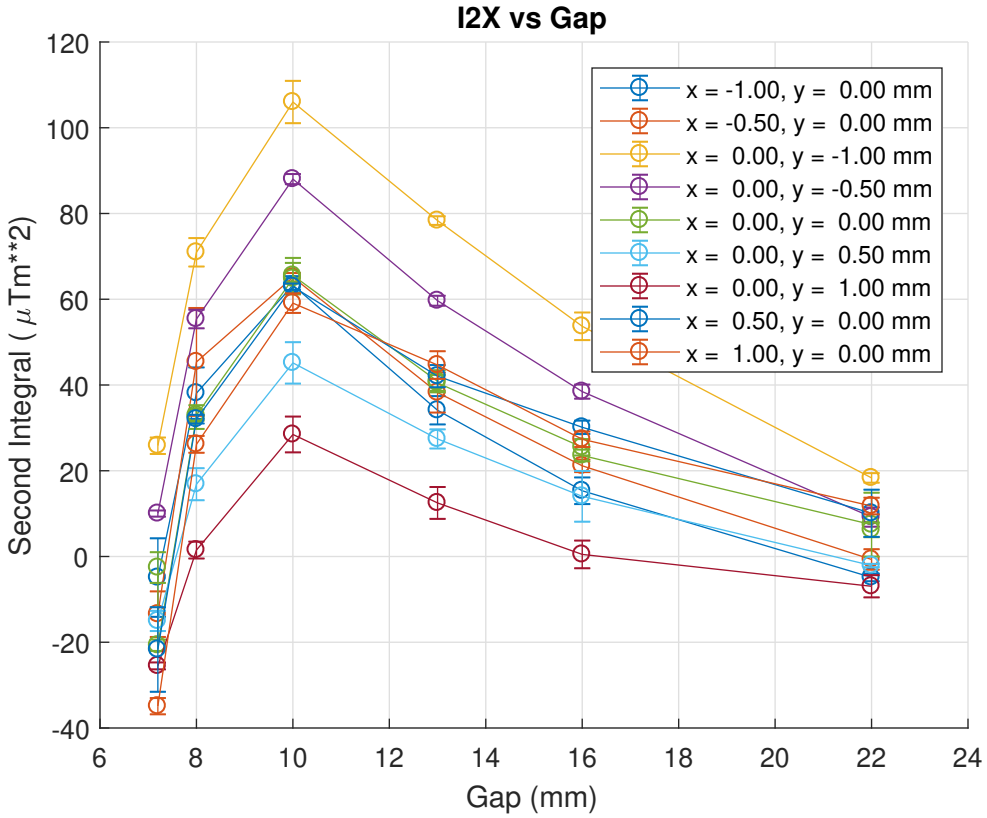

I1X vs X, Y = 0
First Integral (μTm)
X (mm)
gap = 7.20, y = 0 mm
gap = 8.00, y = 0 mm
gap = 10.00, y = 0 mm
gap = 13.00, y = 0 mm
gap = 16.00, y = 0 mm
gap = 22.00, y = 0 mm
20
15
10
5
0
-5
-10
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

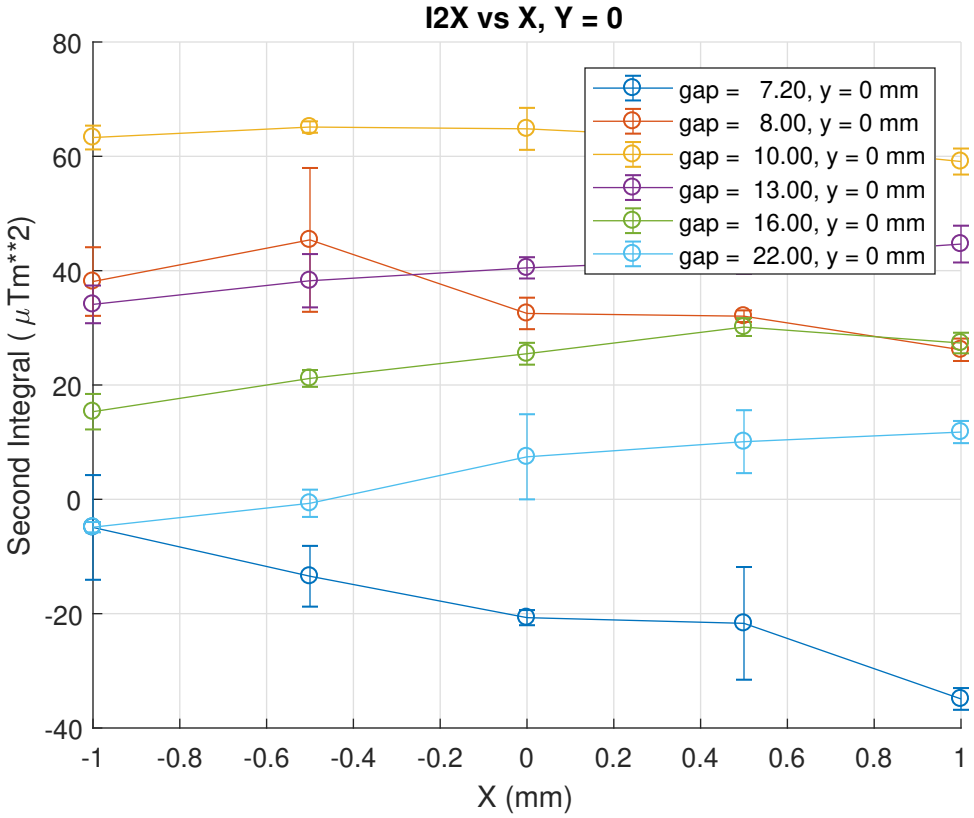

I1X vs Y, X = 0
First Integral (μTm)
Y (mm)
60
50
40
30
20
10
0
-10
-20
-30
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1
gap = 7.20, x = 0 mm
gap = 8.00, x = 0 mm
gap = 10.00, x = 0 mm
gap = 13.00, x = 0 mm
gap = 16.00, x = 0 mm
gap = 22.00, x = 0 mm

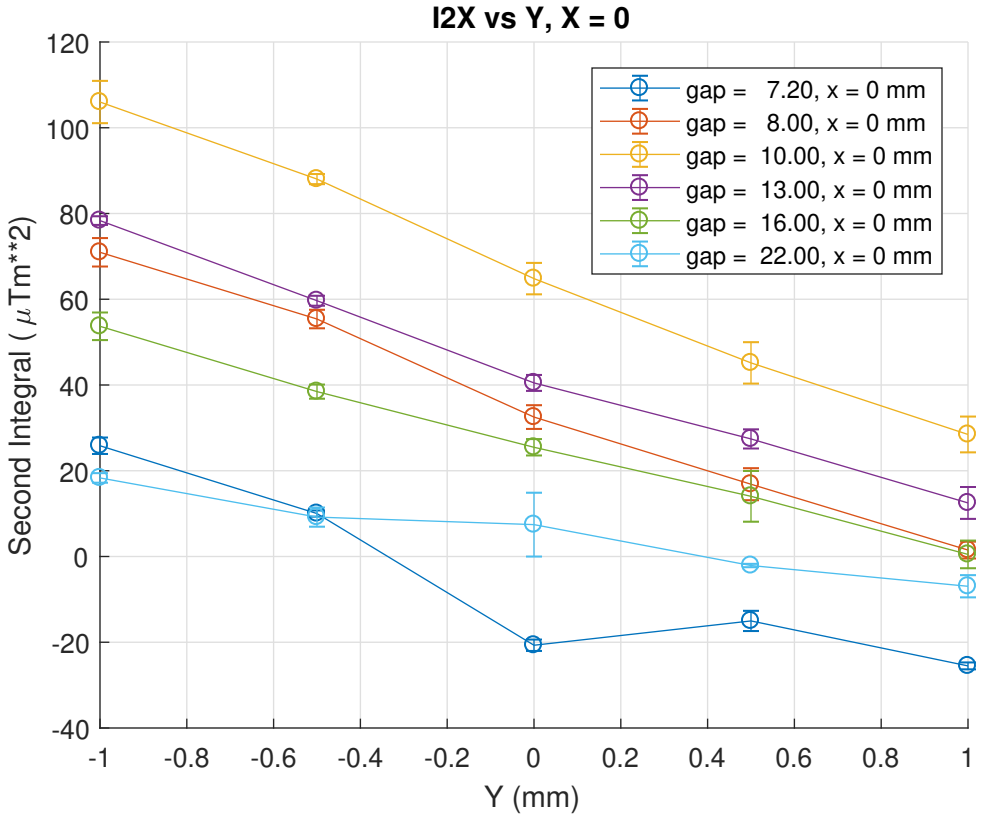

I1Y vs Gap
First Integral (μTm)
Gap (mm)
30
20
10
0
-10
-20
-30
-40
6
8
10
12
14
16
18
20
22
24
x = -1.00, y = 0.00 mm
x = -0.50, y = 0.00 mm
x = 0.00, y = -1.00 mm
x = 0.00, y = -0.50 mm
x = 0.00, y = 0.00 mm
x = 0.00, y = 0.50 mm
x = 0.00, y = 1.00 mm
x = 0.50, y = 0.00 mm
x = 1.00, y = 0.00 mm

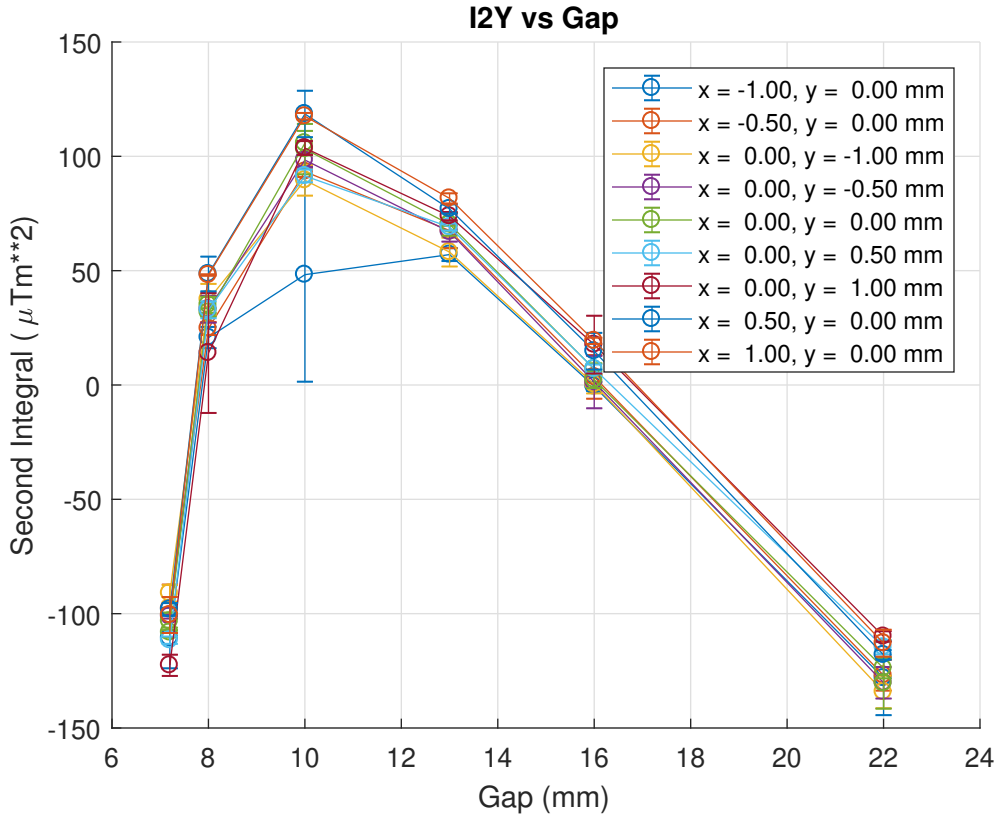

I1Y vs X, Y = 0
First Integral (μTm)
X (mm)
gap = 7.20, y = 0 mm
gap = 8.00, y = 0 mm
gap = 10.00, y = 0 mm
gap = 13.00, y = 0 mm
gap = 16.00, y = 0 mm
gap = 22.00, y = 0 mm
30
20
10
0
-10
-20
-30
-40
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

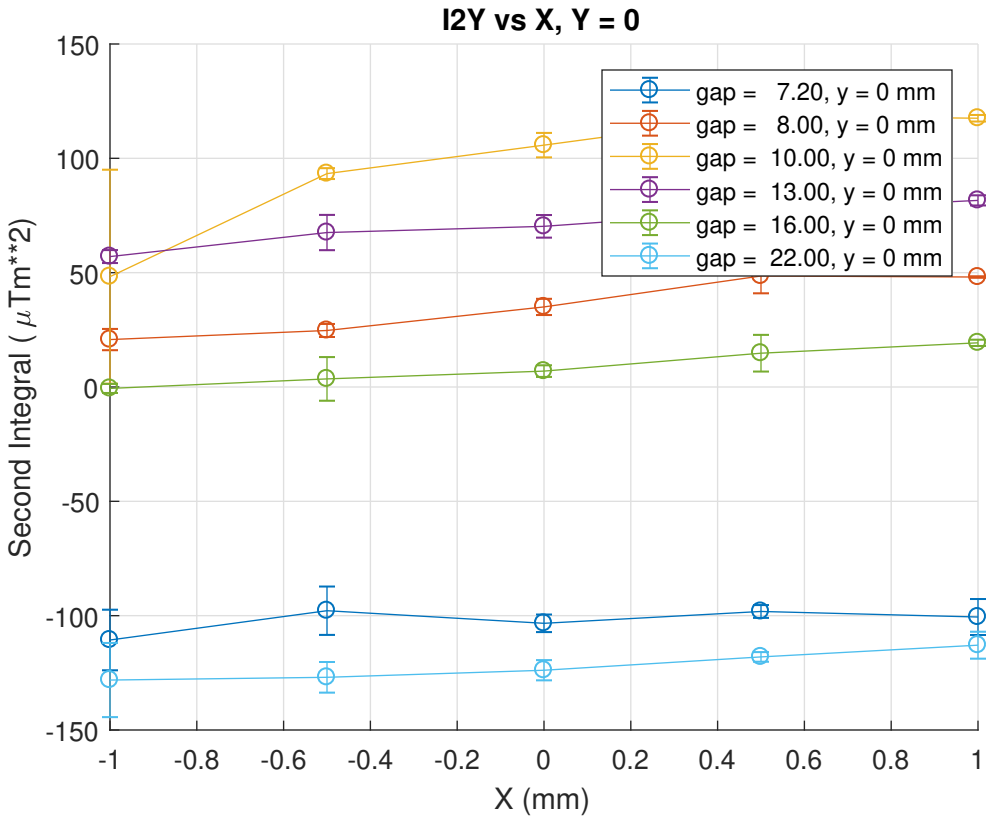

I1Y vs Y, X = 0
First Integral (μTm)
Y (mm)
gap = 7.20, x = 0 mm
gap = 8.00, x = 0 mm
gap = 10.00, x = 0 mm
gap = 13.00, x = 0 mm
gap = 16.00, x = 0 mm
gap = 22.00, x = 0 mm
30
20
10
0
-10
-20
-30
-40
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

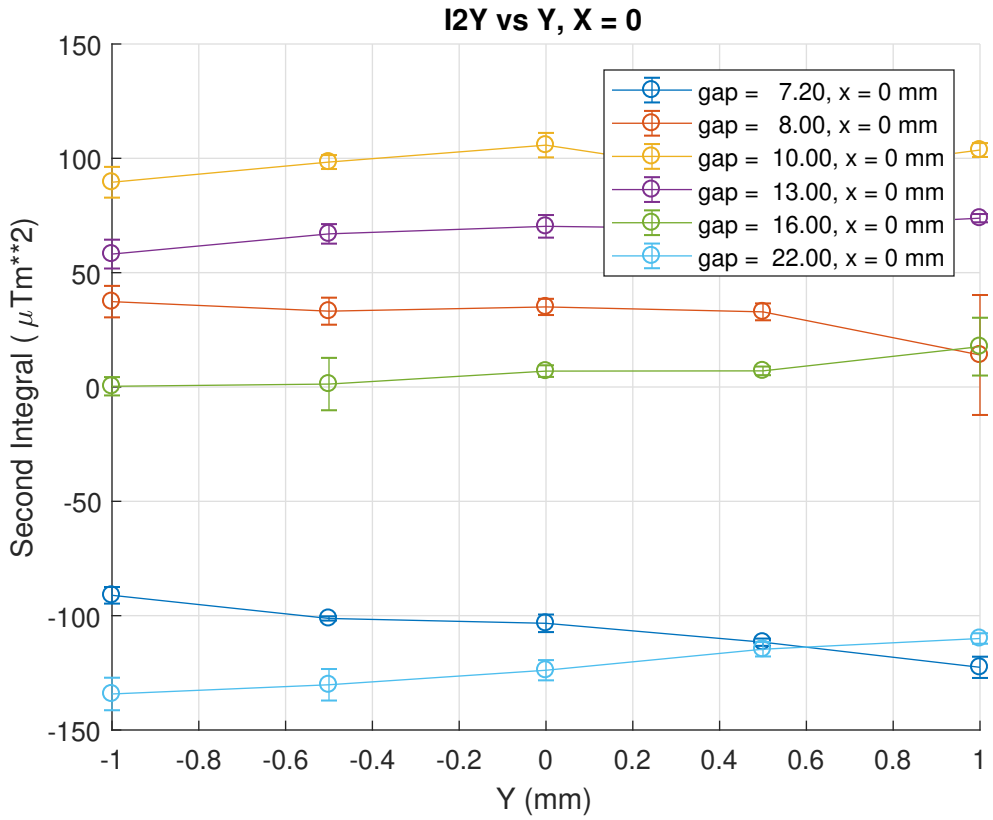

I2X vs Gap
Second Integral (μTm**2)
Gap (mm)
120
100
80
60
40
20
0
-20
-40
6
8
10
12
14
16
18
20
22
24
x = -1.00, y = 0.00 mm
x = -0.50, y = 0.00 mm
x = 0.00, y = -1.00 mm
x = 0.00, y = -0.50 mm
x = 0.00, y = 0.00 mm
x = 0.00, y = 0.50 mm
x = 0.00, y = 1.00 mm
x = 0.50, y = 0.00 mm
x = 1.00, y = 0.00 mm


I2X vs X, Y = 0
Second Integral (μTm**2)
X (mm)
gap = 7.20, y = 0 mm
gap = 8.00, y = 0 mm
gap = 10.00, y = 0 mm
gap = 13.00, y = 0 mm
gap = 16.00, y = 0 mm
gap = 22.00, y = 0 mm
80
60
40
20
0
-20
-40
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


I2X vs Y, X = 0
Second Integral (μTm**2)
Y (mm)
gap = 7.20, x = 0 mm
gap = 8.00, x = 0 mm
gap = 10.00, x = 0 mm
gap = 13.00, x = 0 mm
gap = 16.00, x = 0 mm
gap = 22.00, x = 0 mm
120
100
80
60
40
20
0
-20
-40
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


I2Y vs Gap
Second Integral (μTm**2)
Gap (mm)
150
100
50
0
-50
-100
-150
6
8
10
12
14
16
18
20
22
24
x = -1.00, y = 0.00 mm
x = -0.50, y = 0.00 mm
x = 0.00, y = -1.00 mm
x = 0.00, y = -0.50 mm
x = 0.00, y = 0.00 mm
x = 0.00, y = 0.50 mm
x = 0.00, y = 1.00 mm
x = 0.50, y = 0.00 mm
x = 1.00, y = 0.00 mm


I2Y vs X, Y = 0
Second Integral (μTm**2)
X (mm)
150
100
50
0
-50
-100
-150
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1
gap = 7.20, y = 0 mm
gap = 8.00, y = 0 mm
gap = 10.00, y = 0 mm
gap = 13.00, y = 0 mm
gap = 16.00, y = 0 mm
gap = 22.00, y = 0 mm


I2Y vs Y, X = 0
Second Integral (μTm**2)
Y (mm)
150
100
50
0
-50
-100
-150
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1
gap = 7.20, x = 0 mm
gap = 8.00, x = 0 mm
gap = 10.00, x = 0 mm
gap = 13.00, x = 0 mm
gap = 16.00, x = 0 mm
gap = 22.00, x = 0 mm