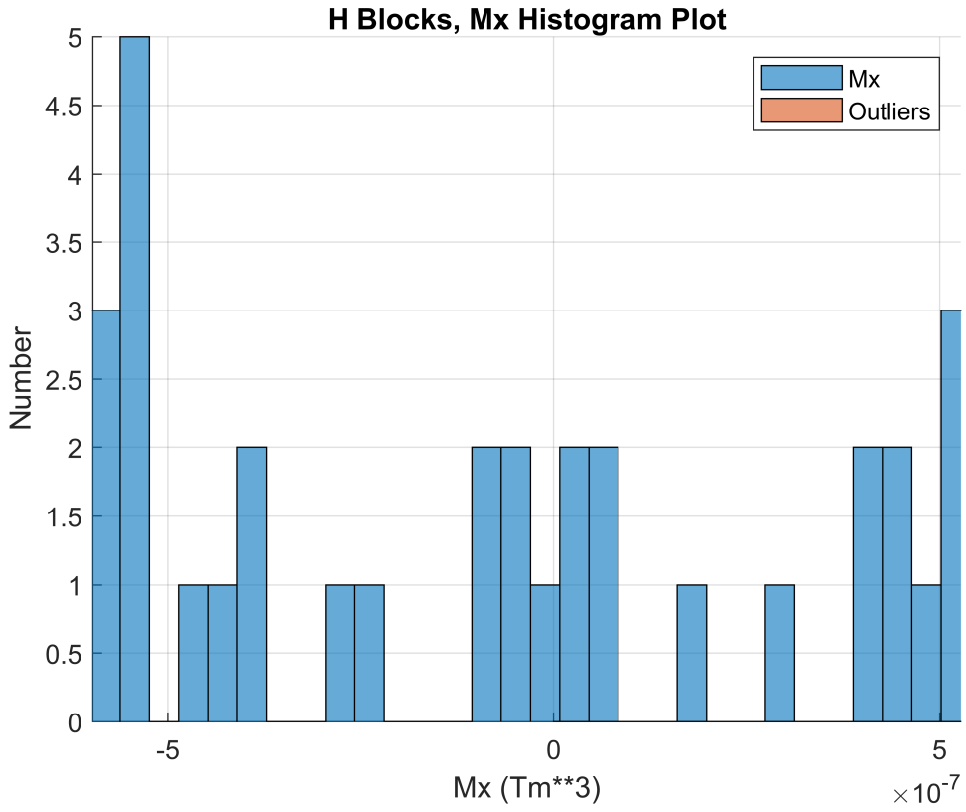
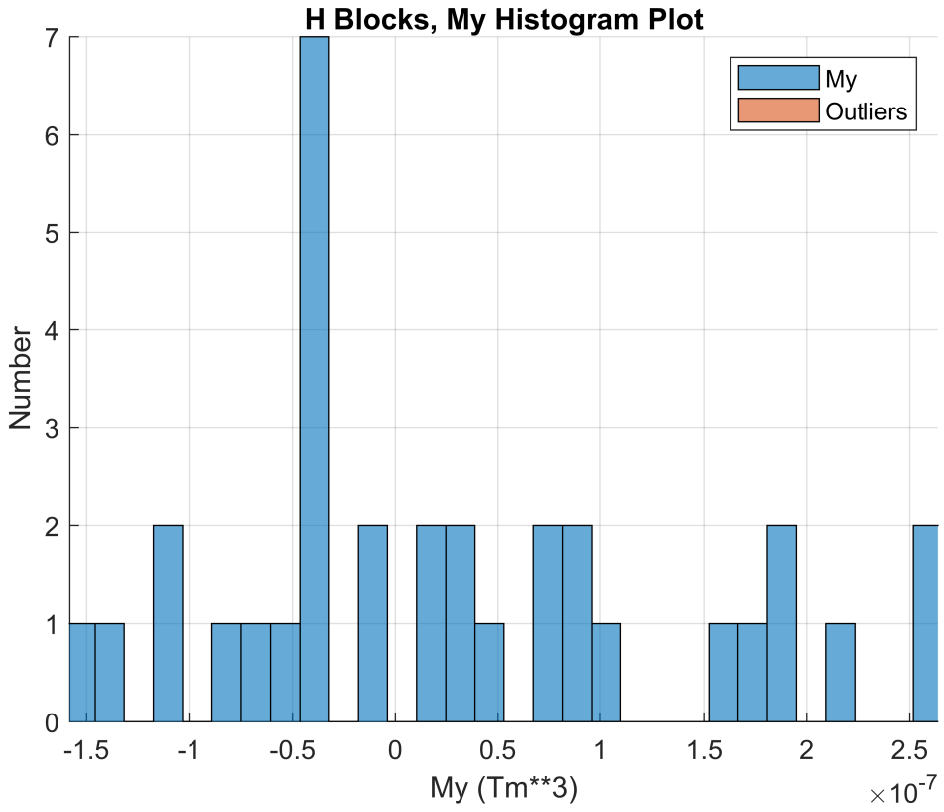
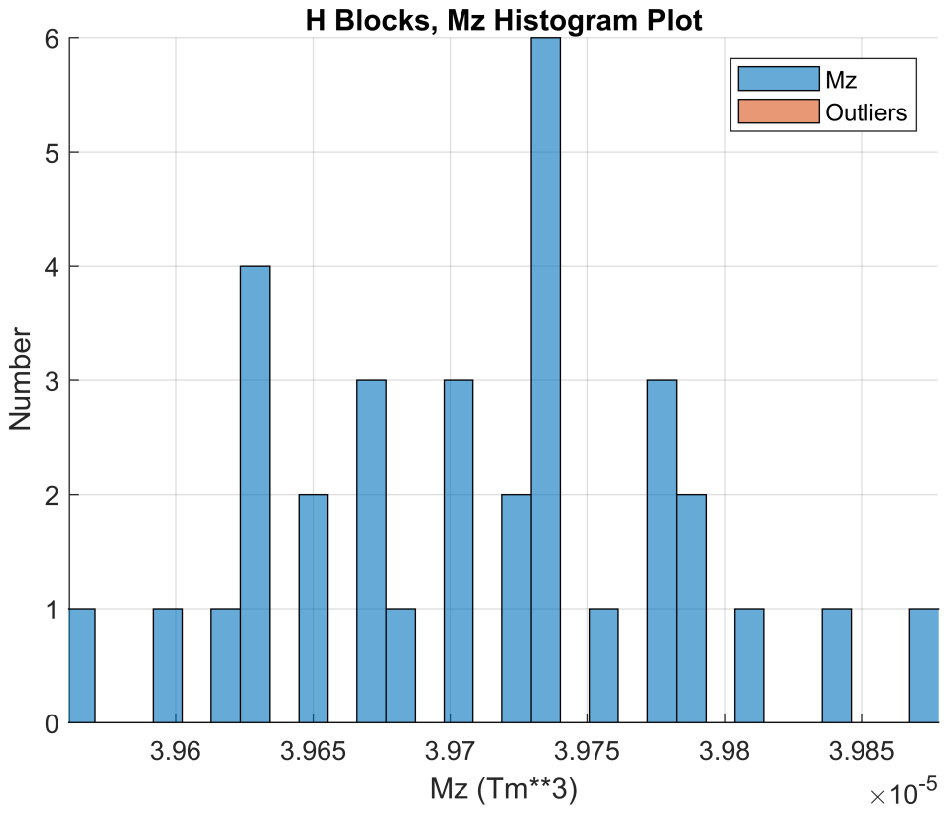
SLAC Magnetic Measurements

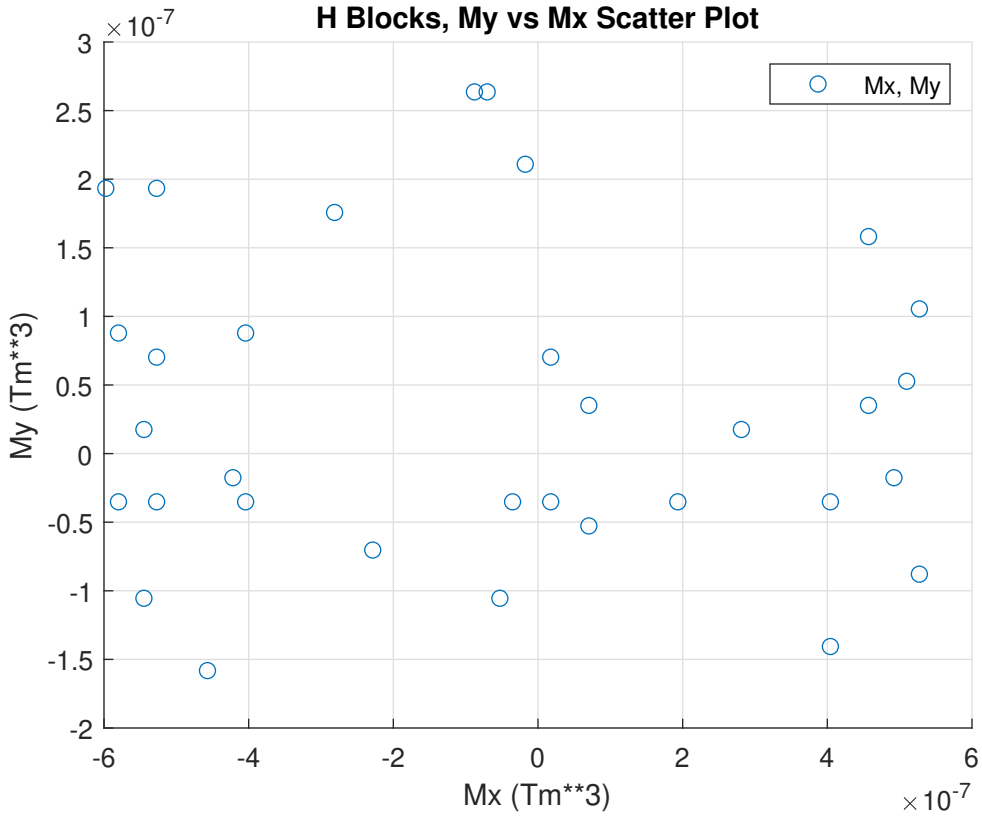
Horizontally Magnetized Block Sort Analysis

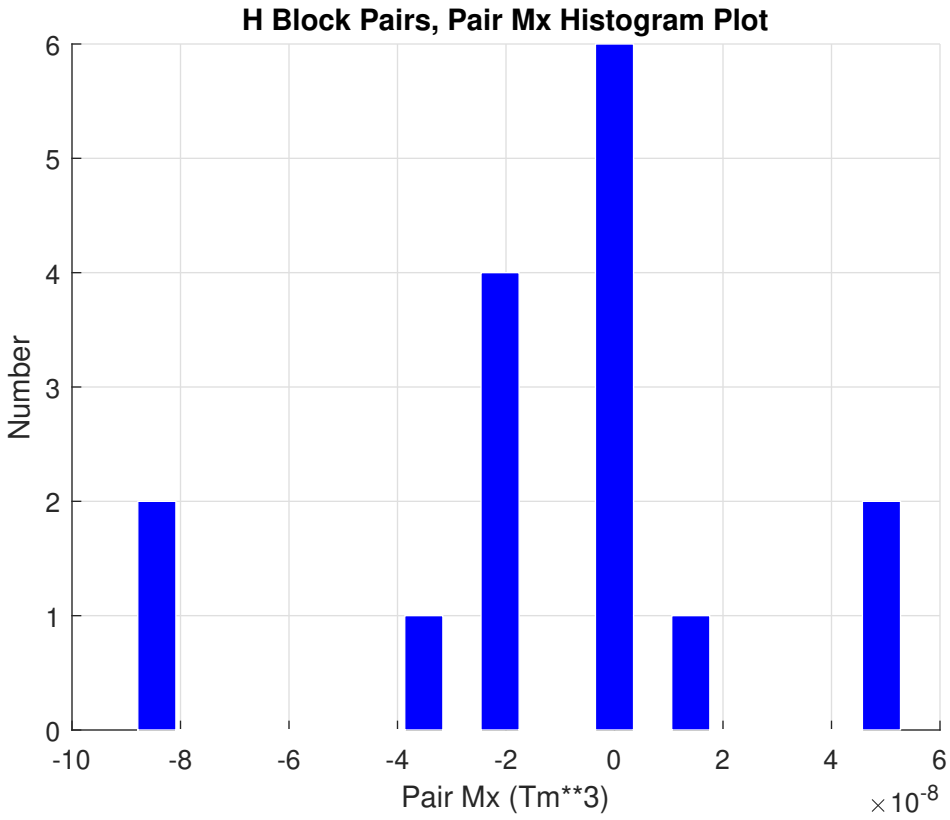
Parameters:
OUTPUT-FILE-DIR =S:\magdata\LCLS-II-HE\Phase Shifter\Magnet Blocks

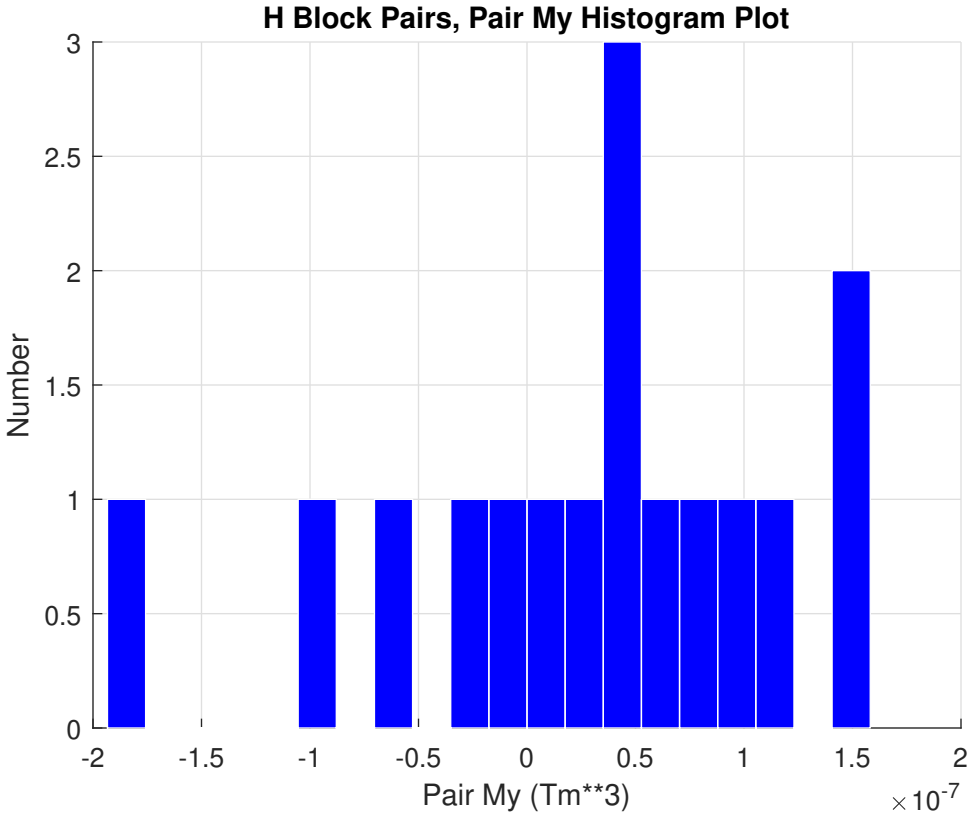

H Blocks, Mx Histogram Plot
Mx
Outliers
Number
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
-5
0
5
Mx (Tm**3)
×10-7

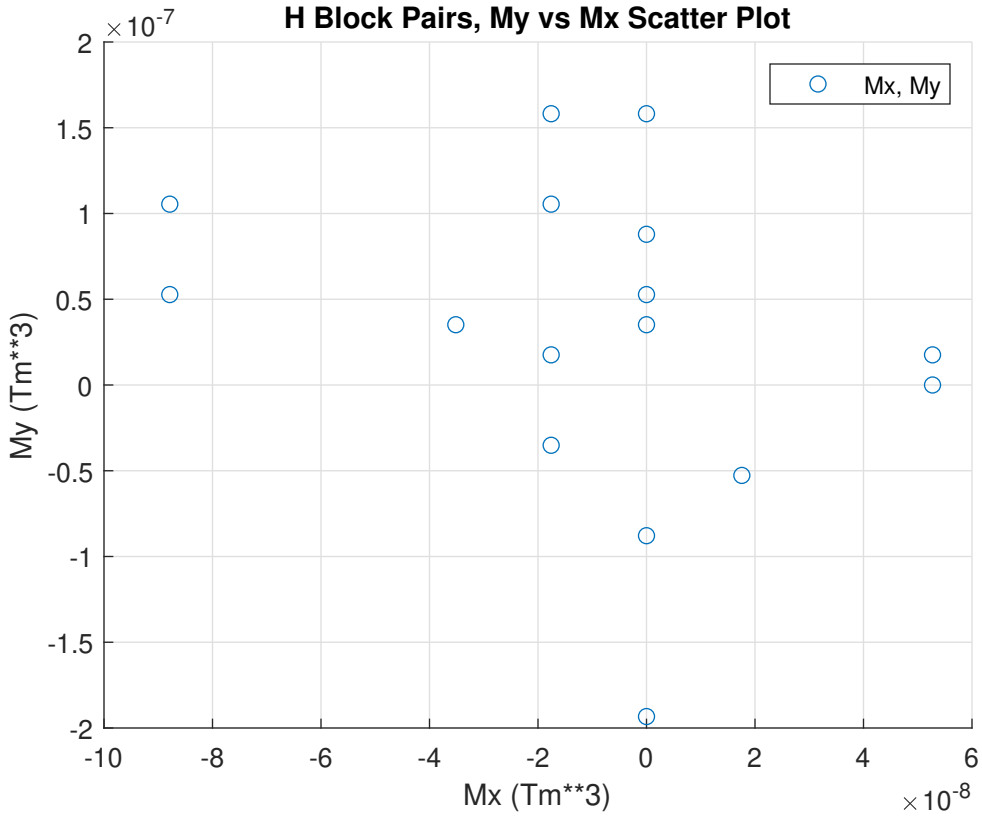

H Blocks, My Histogram Plot
My
Outliers
Number
0
1
2
3
4
5
6
7
-1.5
-1
-0.5
0
0.5
1
1.5
2
2.5
My (Tm**3)
×10-7

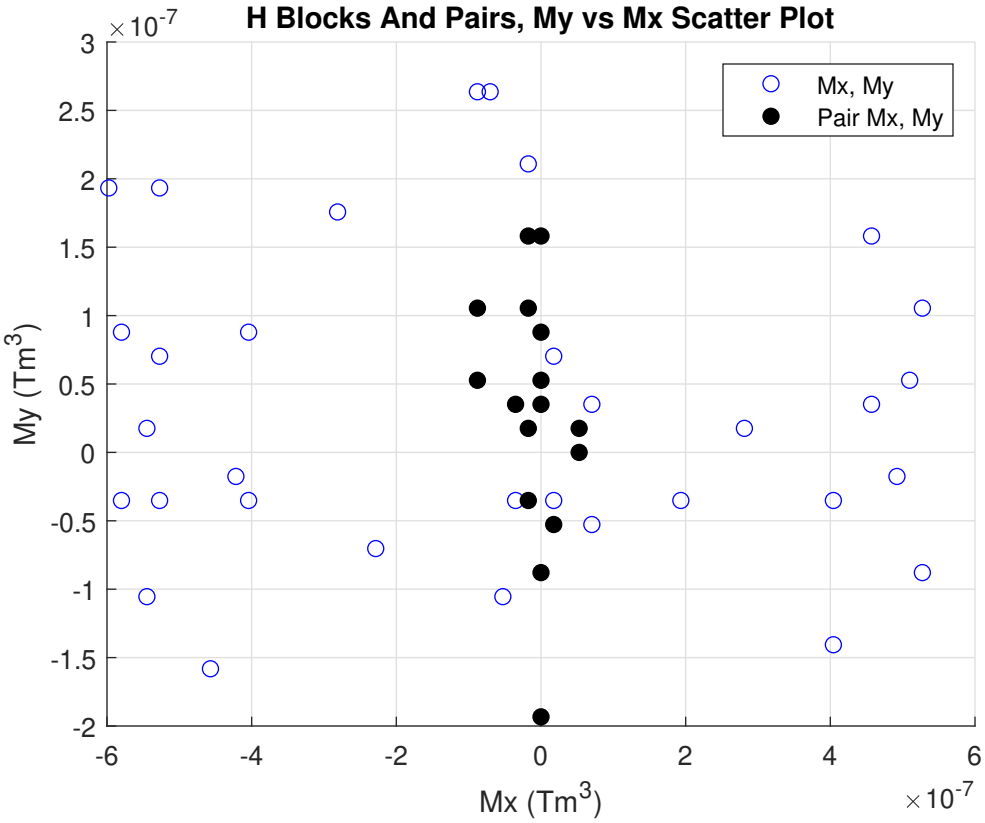

H Blocks, Mz Histogram Plot
Mz
Outliers
Number
0
1
2
3
4
5
6
3.96
3.965
3.97
3.975
3.98
3.985
Mz (Tm**3)
×10-5


H Blocks, My vs Mx Scatter Plot
Mx, My
My (Tm**3)
Mx (Tm**3)
×10^-7
×10^-7
3
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-6
-4
-2
0
2
4
6


H Block Pairs, Pair Mx Histogram Plot
Number
0
1
2
3
4
5
6
-10
-8
-6
-4
-2
0
2
4
6
Pair Mx (Tm**3)
×10-8


H Block Pairs, Pair My Histogram Plot
Number
Pair My (Tm**3)
×10-7
0
0.5
1
1.5
2
2.5
3
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2


H Block Pairs, My vs Mx Scatter Plot
×10^-7
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
My (Tm**3)
-10
-8
-6
-4
-2
0
2
4
6
Mx (Tm**3)
×10^-8
Mx, My


H Blocks And Pairs, My vs Mx Scatter Plot
×10^-7
3
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
My (Tm^3)
-6
-4
-2
0
2
4
6
Mx (Tm^3)
×10^-7
Mx, My
Pair Mx, My