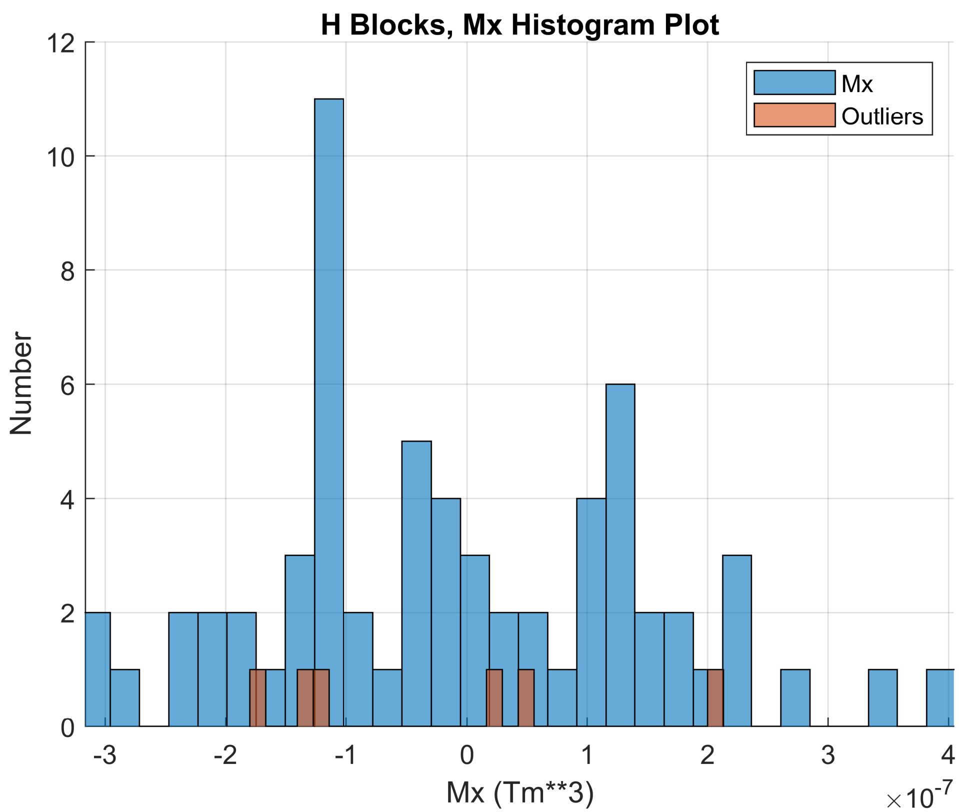
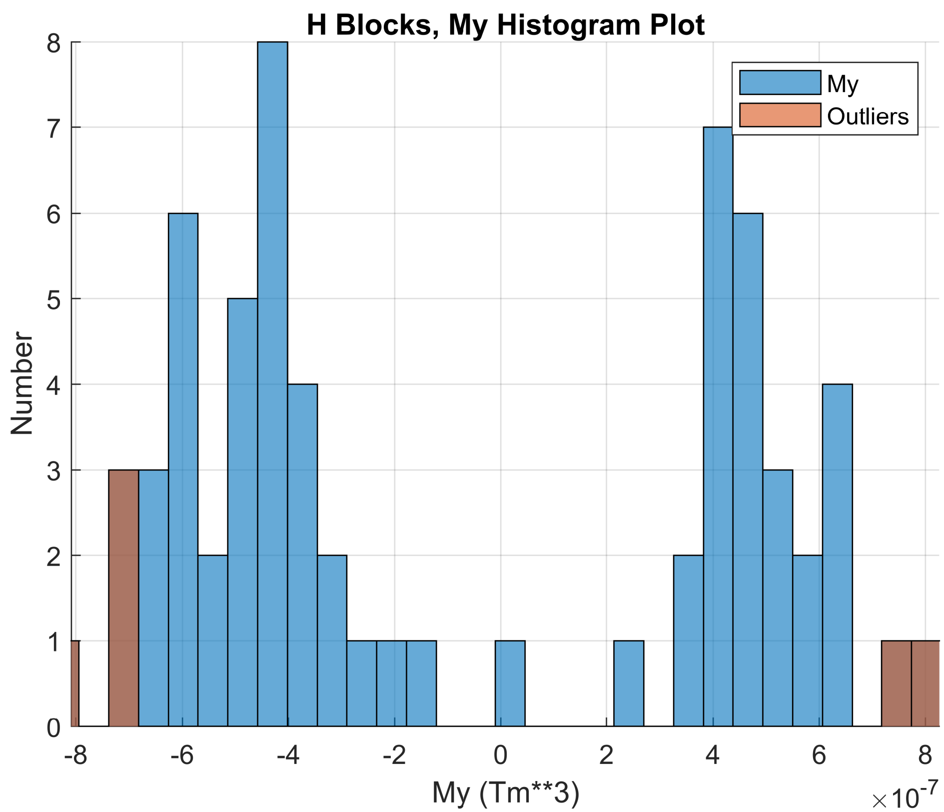
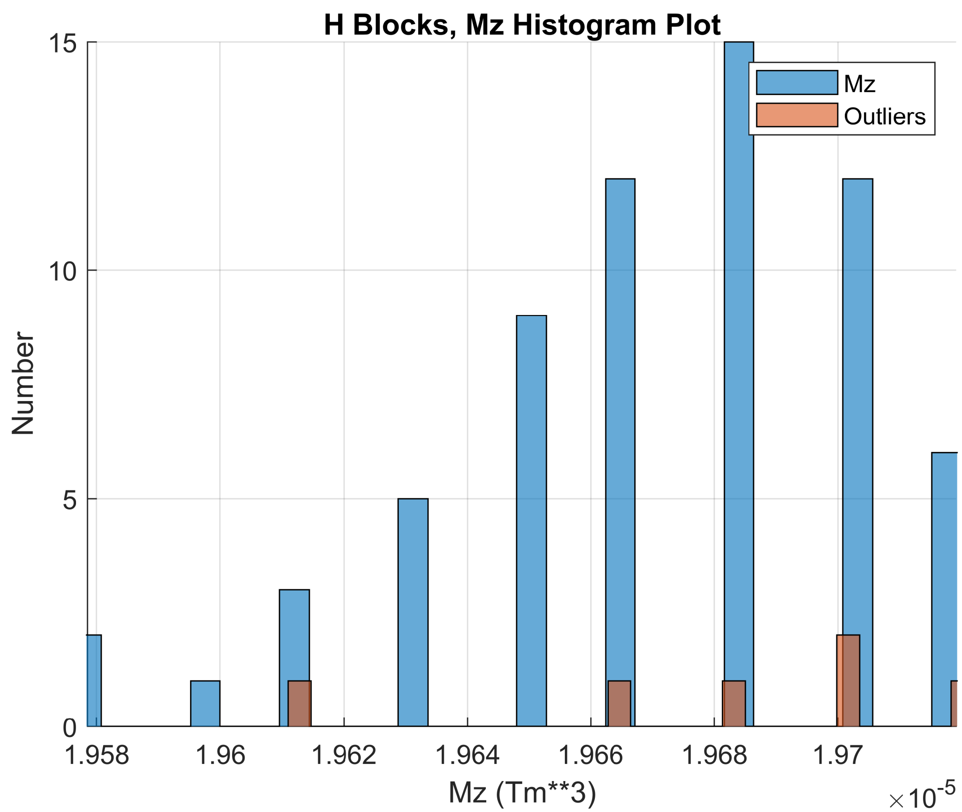
SLAC Magnetic Measurements

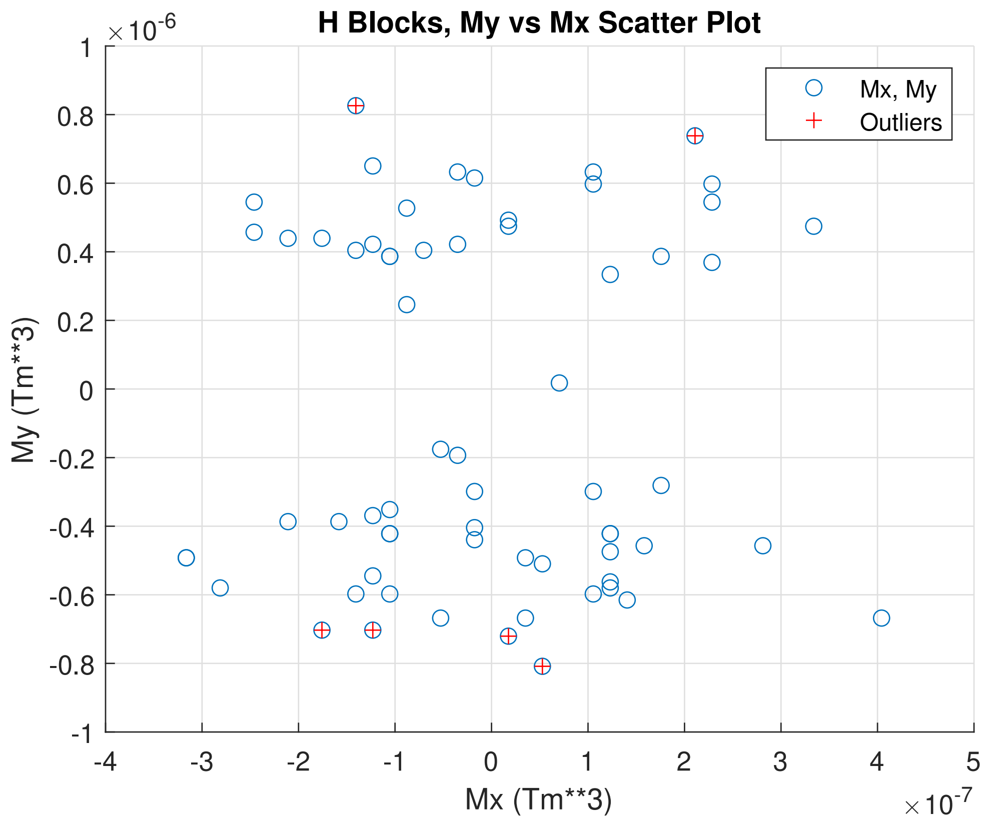
Horizontally Magnetized Block Sort Analysis

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

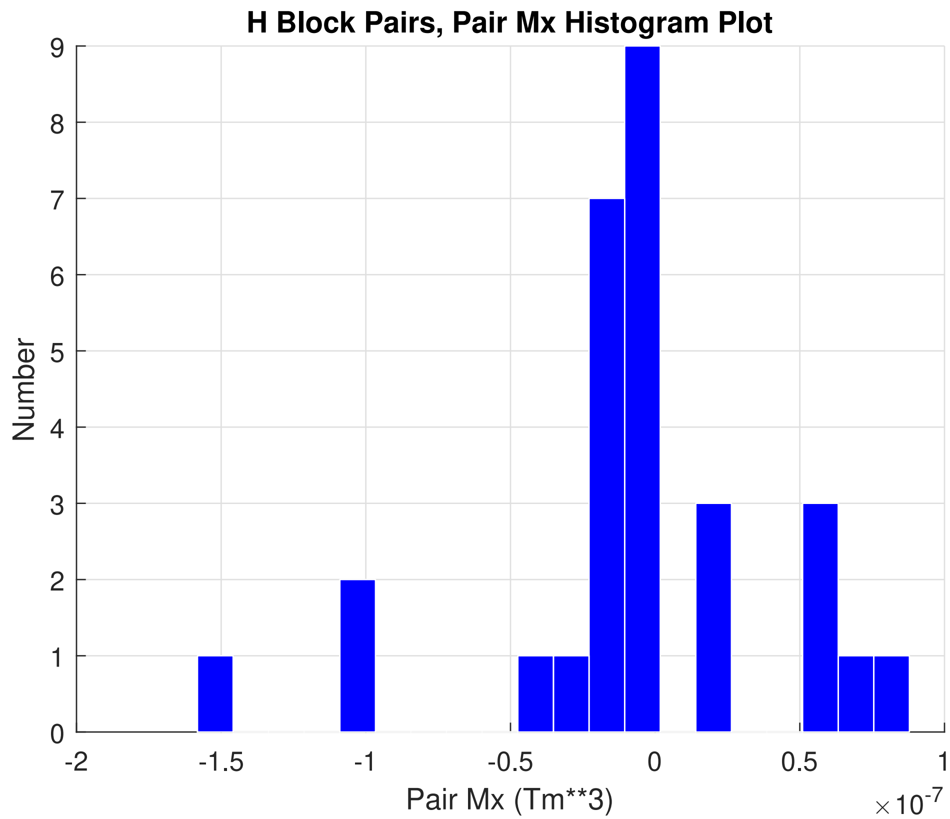

H Blocks, Mx Histogram Plot
Mx
Outliers
Number
Mx (Tm**3)
$\times 10^{-7}$
12
10
8
6
4
2
0
-3
-2
-1
0
1
2
3
4

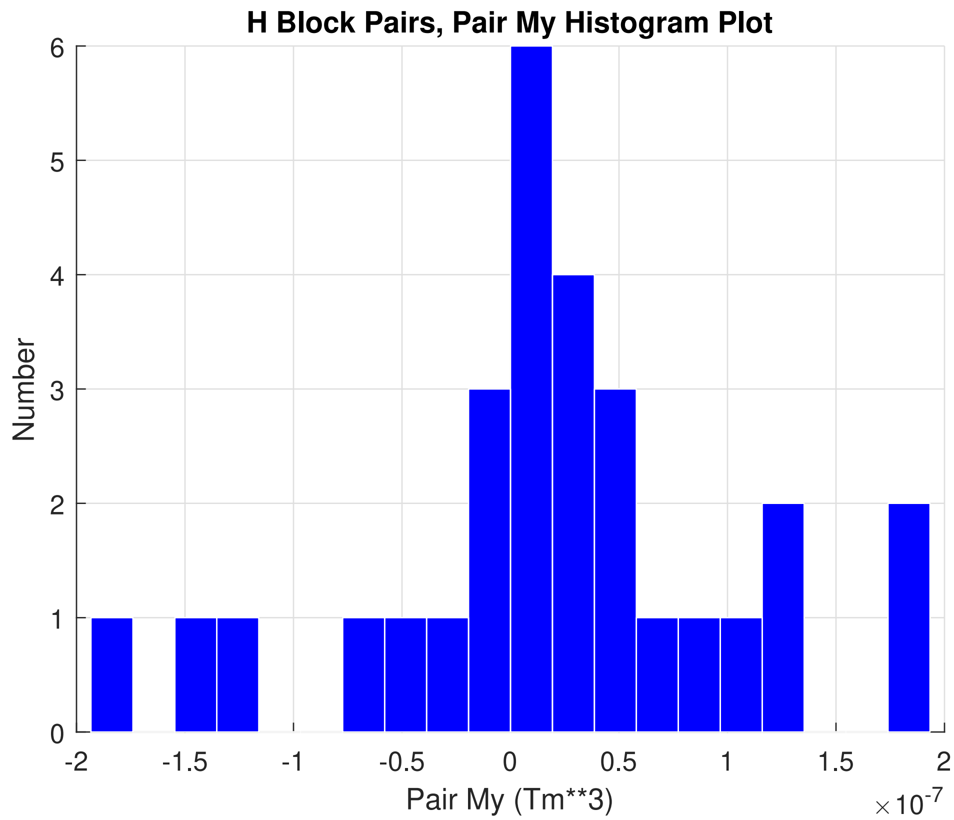

H Blocks, My Histogram Plot
My
Outliers
Number
My (Tm**3)
$\times 10^{-7}$
-8
-6
-4
-2
0
2
4
6
8
0
1
2
3
4
5
6
7
8

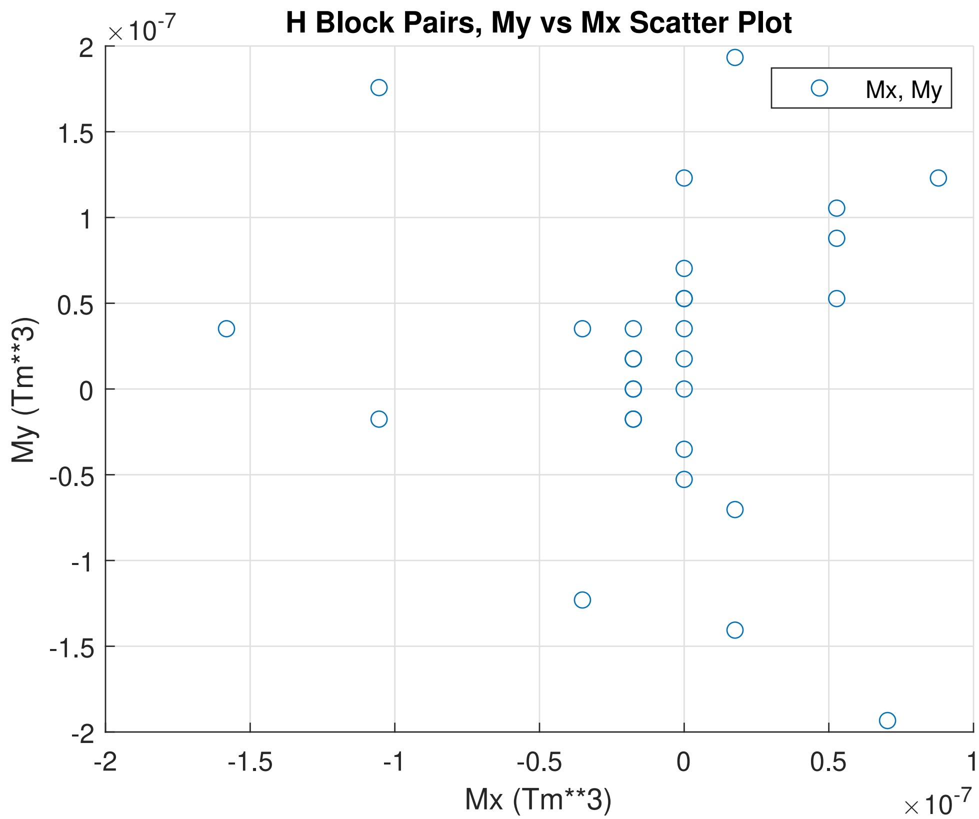

H Blocks, Mz Histogram Plot
15
10
5
0
Number
1.958
1.96
1.962
1.964
1.966
1.968
1.97
Mz (Tm**3)
×10-5
Mz
Outliers

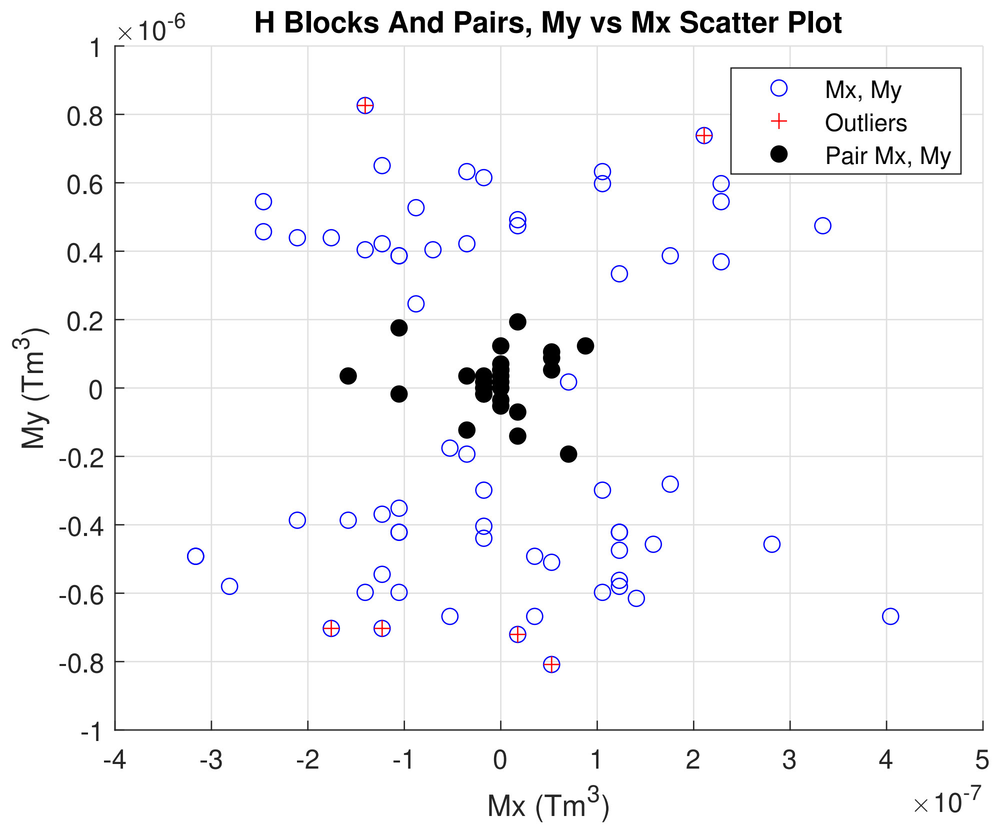


H Blocks, My vs Mx Scatter Plot
×10^-6
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
My (Tm**3)
-4
-3
-2
-1
0
1
2
3
4
5
Mx (Tm**3)
×10^-7
Mx, My
Outliers


H Block Pairs, Pair Mx Histogram Plot
Number
Pair Mx (Tm**3)
$\times 10^{-7}$
0
1
2
3
4
5
6
7
8
9
-2
-1.5
-1
-0.5
0
0.5
1


H Block Pairs, Pair My Histogram Plot
Number
Pair My (Tm**3)
$\times 10^{-7}$
0
1
2
3
4
5
6
-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)
Mx, My
-2
-1.5
-1
-0.5
0
0.5
1
Mx (Tm**3)
×10^-7


H Blocks And Pairs, My vs Mx Scatter Plot
×10^-6
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
My (Tm^3)
-4
-3
-2
-1
0
1
2
3
4
5
×10^-7
Mx (Tm^3)
Mx, My
Outliers
Pair Mx, My