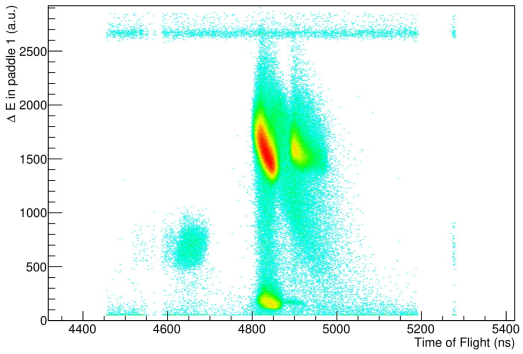
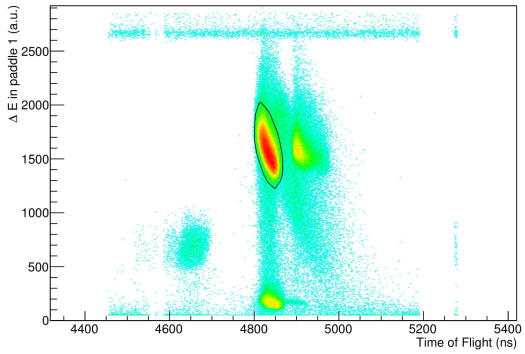
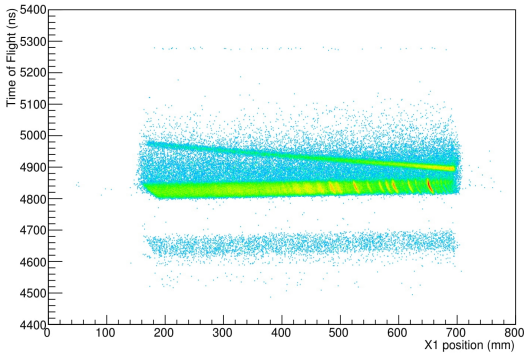
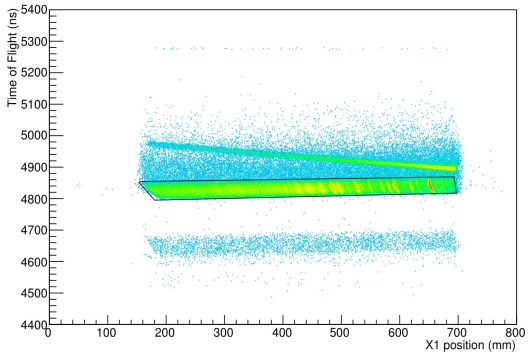
Particle Identification:
Run 1128 – 26Mg









Time-of-Flight offsets:

Run nr:	Offsets:
1128	0
1093	5
1100	3
1104	0
1108	0
1112	-2
1117	-1
1123	0
1097	0
1103	-3
1107	-4
1111	-6
1118	-6
1121	-4
1127	-4
1095	0
1101	-3
1106	-4
1110	-7
1116	-8
1120	-8
1126	-6

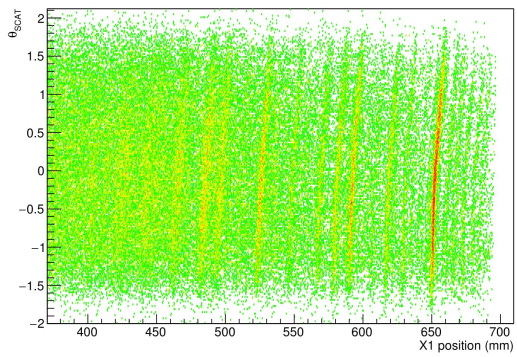
Final fit: Gaussian plus a polynomial:

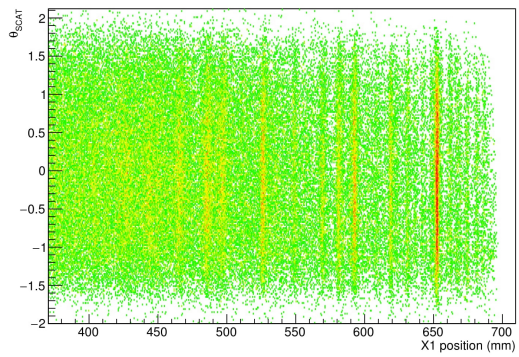
Run nr: 1128	Peak position: 652.621	Peak sigma:0.889774
Run nr: 1093	Peak position: 652.688	Peak sigma:0.746134
Run nr: 1100	Peak position: 652.618	Peak sigma:0.890879
Run nr: 1104	Peak position: 652.621	Peak sigma:0.937096
Run nr: 1108	Peak position: 652.62	Peak sigma:0.925323
Run nr: 1112	Peak position: 652.622	Peak sigma:0.897904
Run nr: 1117	Peak position: 652.621	Peak sigma:0.913877
Run nr: 1123	Peak position: 652.62	Peak sigma:0.882682

Offsets	**26Mg**	**assigned:**	**58Ni**	**90Zr**
0	1128		1127	1126
-0.420917	1093		1097	1095
0.1113365	1100			1101
0.2150881	1104		1103	
0.49546738	1108		1107	1106
0.59647554	1112		1111	1110
0.49834908	1117		1118	1116
0.33387969	1123		1121	1120

Lineshape corrections:

0	1
1	-3.4
2	-1.4
3	+0.520678
4	+0.25651
5	-0.129682



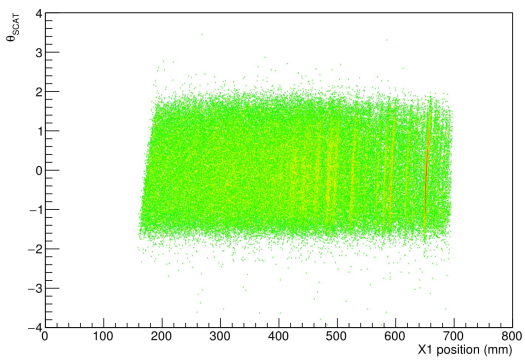


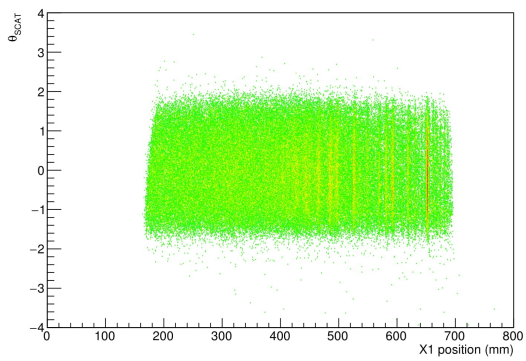
Theta FP to theta SCAT:

No corrections after lineshape

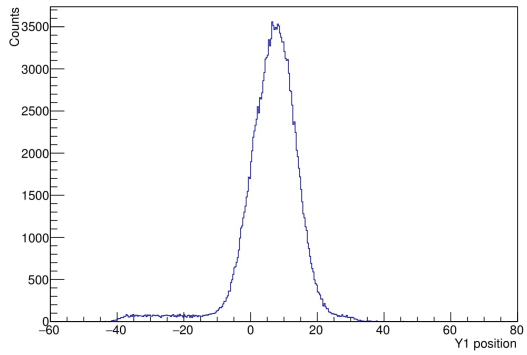
After trying out various corrections the “rectangle” appeared to be more distorted than before.

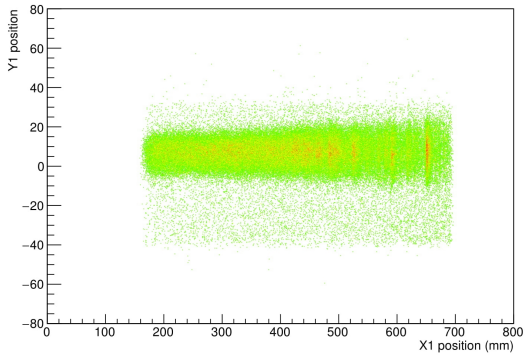
Any example calculations would help if possible, below is the best I could achieve





Y1 cuts





Central region:	Y1>-10 && Y1<22
Background left:	Y1>-40 && Y1<-10
Background right:	Y1>35 && Y1<22

Central region = 32
Background left = 30
Background right = 13

Normalization factors:	Right = 16/30
	Leftf = 16/13