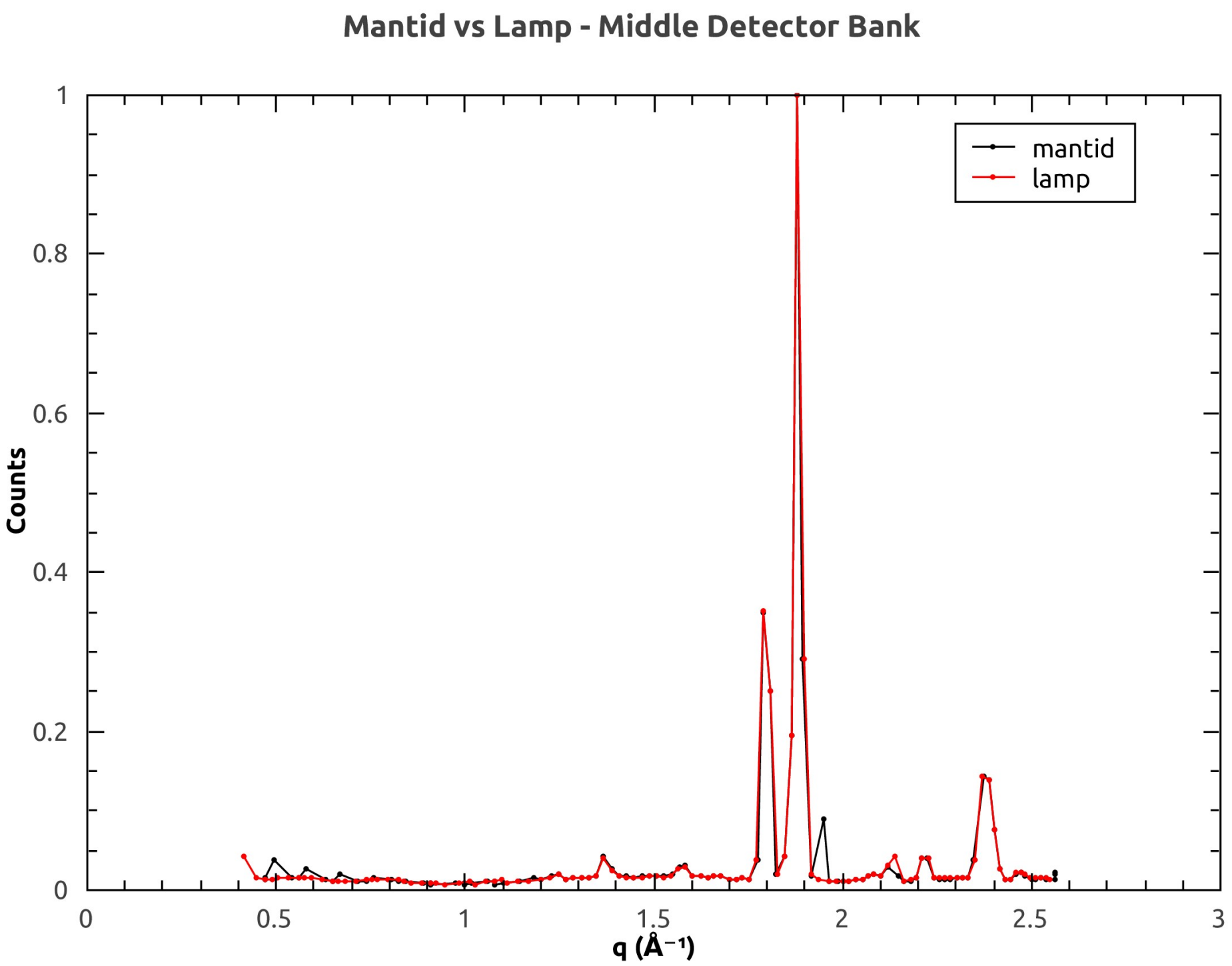
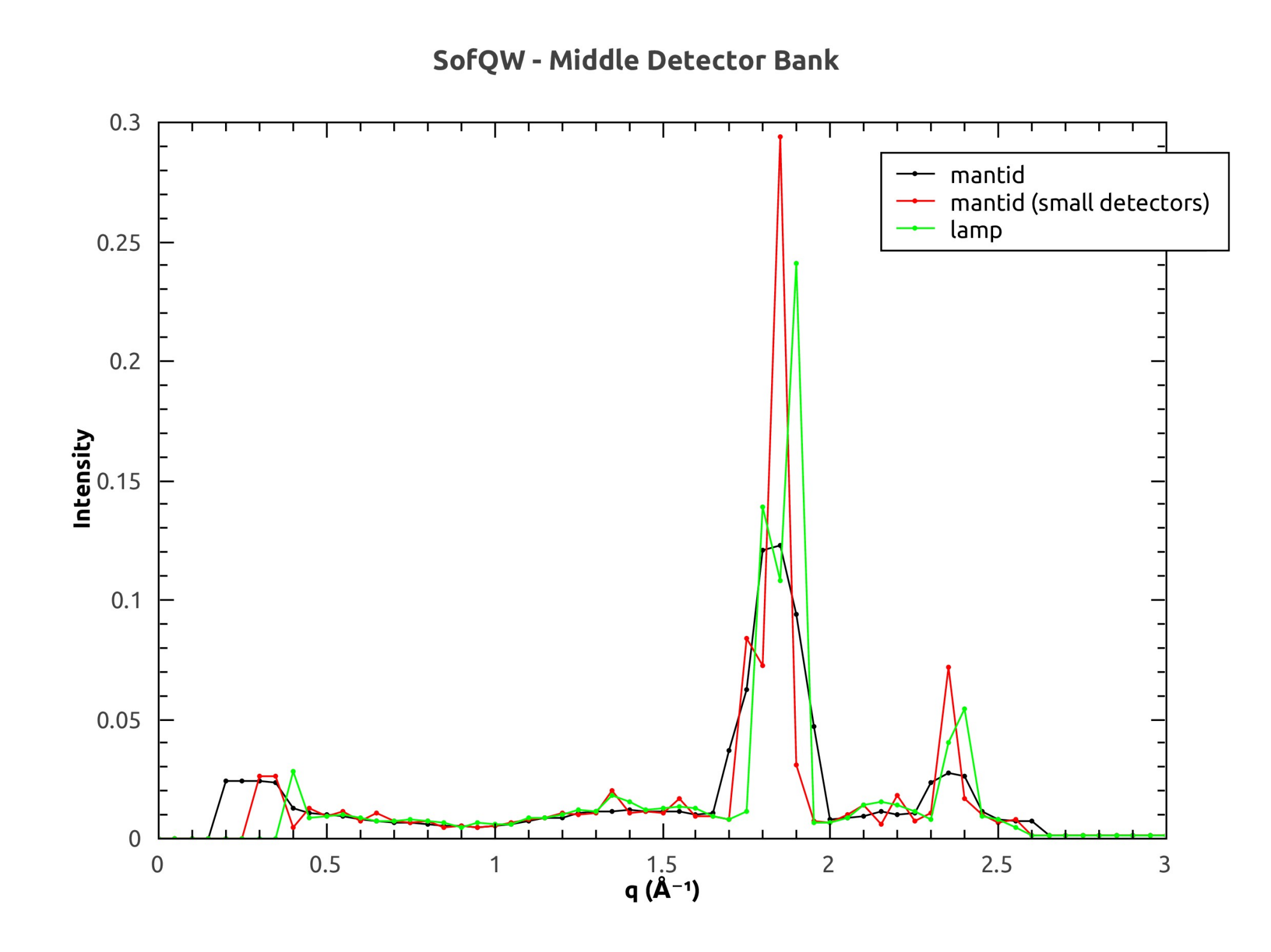
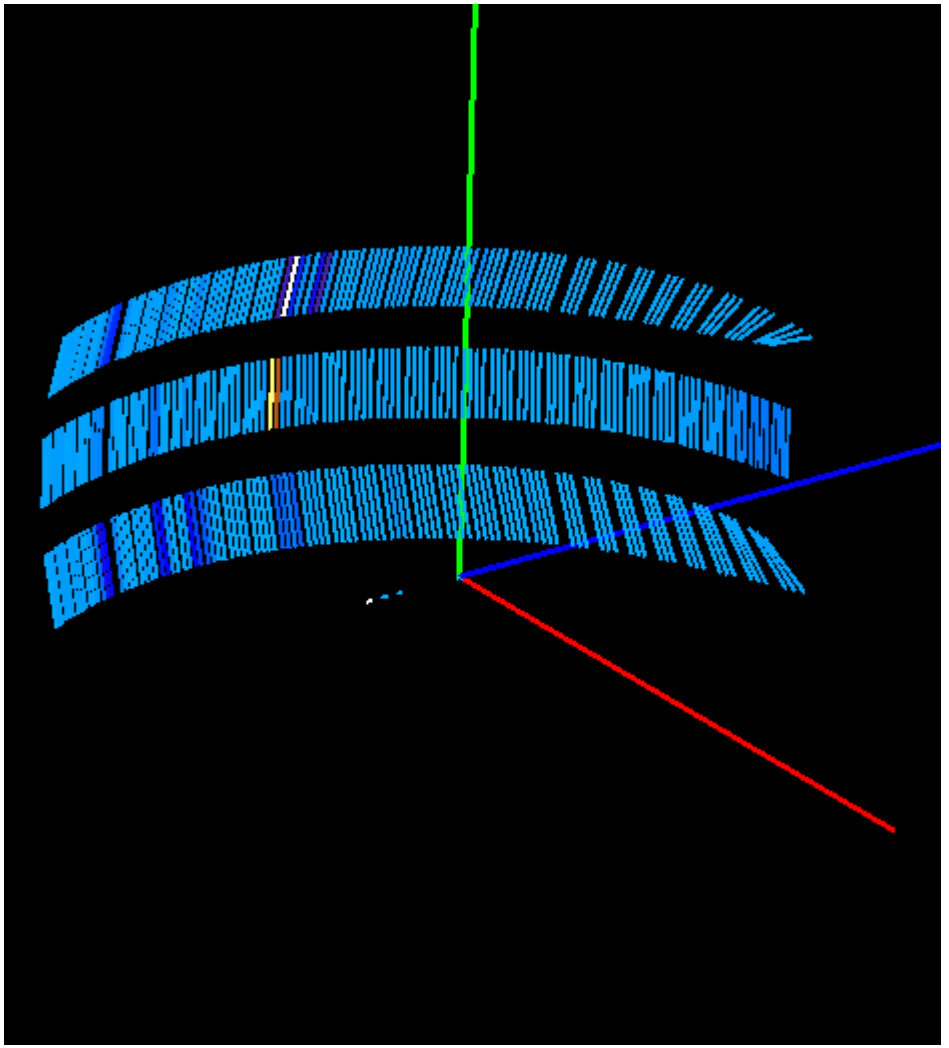
IN6 Mantid and Lamp Comparison

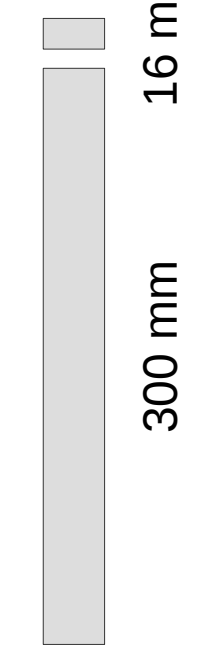
Sprint Review Meeting 21/06/16

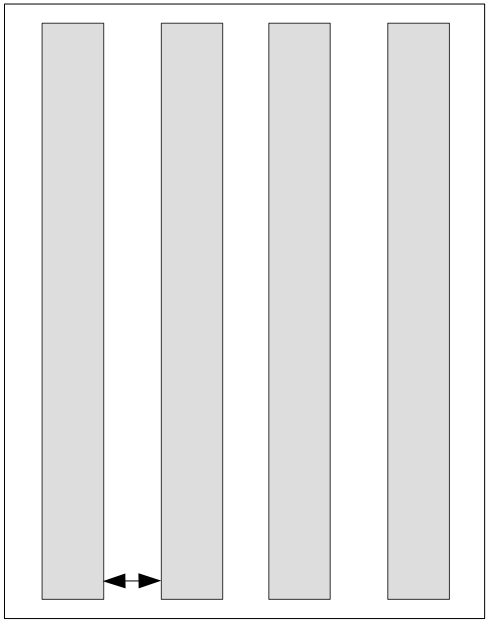

Mantid vs Lamp - Middle Detector Bank
mantid
lamp
Counts
q (Å⁻¹)
0
0.2
0.4
0.6
0.8
1
0
0.5
1
1.5
2
2.5
3

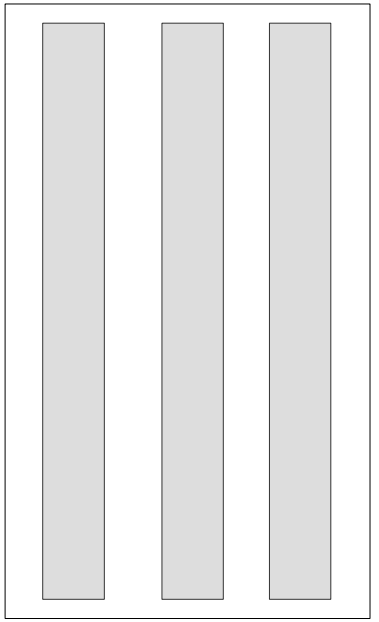

SofQW - Middle Detector Bank
mantid
mantid (small detectors)
lamp
Intensity
q (Å⁻¹)
0.3
0.25
0.2
0.15
0.1
0.05
0
0
0.5
1
1.5
2
2.5
3

IN6 Detector Geometry









4 middle

4 middle, 3 upper/lower

ANGLE DE DETECTION		No ENTREE T.O.F. POUR LES DETECTEURS		
No	Valeur	du haut	du milieu	du bas
1	10.33		4	
2	11.11		5	
3	11.89		6	
4	12.67		7	
5	13.73		8	
6	14.51		9	
7	15.29		10	
8	16.07		11	
9	17.13	12	13	14
10	17.91	15	16	17
11	18.69	18	19	20
12	19.47		21	
13	20.53	22	23	24
14	21.31	25	26	27
15	22.09	28	29	30
16	22.87		31	
17	23.93	32	33	34
18	24.71	35	36	37
19	25.49	38	39	40
20	26.27		41	
21	27.33	42	43	44
22	28.11	45	46	47
23	28.89	48	49	50
24	29.67		51	
25	30.73	52	53	54
26	31.51	55	56	57
27	32.29	58	59	60
28	33.07		61	
29	34.13	62	63	64
30	34.91	65	66	67
31	35.69	68	69	70
32	36.47		71	
33	37.53	72	73	74
34	38.31	75	76	77
35	39.09	78	79	80
36	39.87		81	
37	40.93	82	83	84
38	41.71	85	86	87
39	42.49	88	89	90
40	43.27		91	

4 middle/upper/lower

ANGLE DE DETECTION		No ENTREE T.O.F. POUR LES DETECTEURS		
No	Valeur	du haut	du milieu	du bas
41	44.33	92	93	94
42	45.11	95	96	97
43	45.89	98	99	100
44	46.67	101	102	103
45	47.73	104	105	106
46	48.51	107	108	109
47	49.29	110	111	112
48	50.07	113	114	115
49	51.13	116	117	118
50	51.91	119	120	121
51	52.69	122	123	124
52	53.47	125	126	127
53	54.43	128	129	130
54	55.31	131	132	133
55	56.09	134	135	136
56	56.87	137	138	139
57	57.93	140	141	142
58	58.71	143	144	145
59	59.49	146	147	148
60	60.27	149	150	151
61	61.33	152	153	154
62	62.11	155	156	157
63	62.89	158	159	160
64	63.67	161	162	163
65	64.73	164	165	166
66	65.51	167	168	169
67	66.29	170	171	172
68	67.07	173	174	175
69	68.13	176	177	178
70	68.91	179	180	181
71	69.69	182	183	184
72	70.47	185	186	187
73	71.53	188	189	190
74	72.31	191	192	193
75	73.09	194	195	196
76	73.87	197	198	199
77	74.93	200	201	202
78	75.71	203	204	205
79	76.49	206	207	208
80	77.27	209	210	211

3 middle/upper/lower

ANGLE DE DETECTION		No ENTREE T.O.F. POUR LES DETECTEURS		
No	Valeur	du haut	du milieu	du bas
81	78.33	212	213	214
82	79.11	215	216	217
83	79.89	218	219	220
84	80.67	221	222	223
85	81.73	224	225	226
86	82.51	227	228	229
87	83.29	230	231	232
88	84.07	233	234	235
89	85.13	236	237	238
90	85.91	239	240	241
91	86.69	242	243	244
92	87.47	245	246	247
93	88.53	248	249	250
94	89.31	251	252	253
95	90.09	254	255	256
96	90.87	257	258	259
97	91.93	260	261	262
98	92.71	263	264	265
99	93.49	266	267	268
100	94.27	269	270	271
101	95.33	272	273	274
102	96.11	275	276	277
103	96.89	278	279	280
104	97.67	281	282	283
105	98.73	284	285	286
106	99.51	287	288	289
107	100.29	290	291	292
108	101.07	293	294	295
109	102.93	296	297	298
110	103.71	299	300	301
111	104.49	302	303	304
112	105.57	305	306	307
113	106.35	308	309	310
114	107.13	311	312	313
115	108.21	314	315	316
116	108.99	317	318	319
117	109.77	320	321	322
118	110.85	323	324	325
119	111.63	326	327	328
120	112.41	329	330	331
121	113.49	332	333	334
122	114.27	335	336	337
123	115.05	338	339	340

Work to Do...

- Finish creation of updated IN6 Instrument Definition File – and check understanding of detector positions (will also help with creation of IN4 data set)
- IN6 comparison for other data sets
- (Also try tidying up reduction script with Gagik's load changes for multiple files)