

Run	Counts	LC	Counts	GM	25. Mai 2016
160525_1545	MS#2	987	1156400		0°
1609	#3	1064	1027646		10°
1631	#4	815	823952		20°
2008	#5	960	906874		30°
2030	#6	823	858300		40°
2051	#7	691	826301		50°
2112	#8	564 564	834688		60°
2133	#9	426	810066		70°
2155	—	—	—	Bkg	—

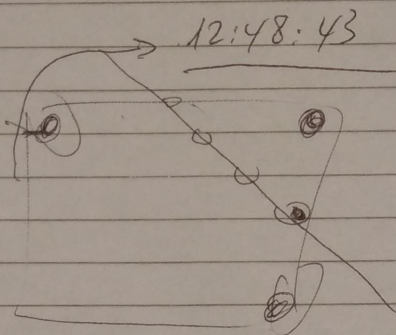
26. Mai 2016					
160526_0745	MS#10	1024	824244		0°
-1114	MS#11	1169	1000761		0°
-1135	MS#12	1121	906558		-10°
-1157	MS#13	984	836628		-20°
-1342	#14	967	918381		-30°
-1407	#15	815	850366		-40°
-1429	#16	731	807058		-50°
-1530	#17	550	809866		-60°
-1553	#18	1079	808344		0°
-1614	#19	1043	811920		10°
-1635	#20	943	830307		20°
-1658	#21	528	1677777		80°
1678	#22	DAG	problem		90°
	#23	"	"		
-1740	#24	HV	problem		90°
-1833	#25	483	1970765		90°
-1916	#26	922	980457		30°
-1938	#27	922	965504		40°
-1959	#28	746	89439		50°
-2020	#29	574	89765		60°
2042	#30	429	942096		70° I
2104	X				

117 RATE ~ 60 Hz 25. Mai 2016

Run	Counts LC	Counts GM	End time
16 0527-0937			
↳ 1h 05m 30s	1712		
1h 45m 50s	2746		
2h 00m 40s	3106		
2h 34m 47s	4k!		
3h 00m 25s	4685		

3:11:42 5000 counts
(11501.2)

3919999



Run

Run	Counts LC	Counts GM	End time
16 0527-1315			
1:38:00	1740	1344 k	
2:32:10	2722	2096 k	
2:58:32	3202	2474 5m	
3:35:16	3859	2993 k	
4:26:24	4752	3710 k	
4:43:32	5074	3964 515	

20800 / 18 = 3600

160530-1010

=> Ar ~56kV and 2.2 mA

=> Data to determine backscatter rate

160530-1646

=> Same as "160530 1010" but
with shadow cone in place

Counts	Time(s)	
1190	4980	Without shadow cone
1615	7015	
3265	13952	
3835	16090	2016 - MAY - 30 - 2 - 5 MeV LCI - FG - 1.6x1 mps
4275	17975	
4518	19128	
4724	19940	
5000	21122	dist \nearrow (from outside to Cd shield) 4.10 m 0°

Counts

~~7575~~

576

~~576~~

7575 (seconds)

With shadow

cone

2016 - MAY - 30 - 2 - 5 MeV

LCI - BG - 1 mps

No sh. cone

5066

3302 seconds

FG - 2. mps

2044

3592

III

Measurement description

File

Bi-207 gamma calibration

LED through punch at channel 950

filename: 2016-MAY-31-2.5MeV-NE213-FG-1.MPA

Stopped 10:47, live time 360... s

Run time 374.8 s

Na-22: 2016-MAY-31- - FG 2.MPA

Cs-137: 2016-MAY-31- FG 3

Background:

²²Na 11:29 started measurement NG at 50 kV, 2.5 mA,

distance to NG ~~approx~~ 2 meters

LC

Lead cap: 2 mm from

1 mm side

Silva - 16⁰⁰

IV

Ulrich -

