

Pu-239 alpha source. Attenuation by paper placed between source and GM tube (at fixed distance - about 4mm).  
AF. Lab P1 24/03/2020

42 sheets of paper were 4.05mm thick.

Count rate /10s

Number of sheets added	Repeat1	Repeat2	Repeat3	Repeat4	Average count rate /10s	Standard deviation of count rate /10s
0	220	240	213	210	221	12
1	108	121	115	114	115	5
1	98	90	82	84	89	6
2	113	116	114	102	111	5
3	95	95	95	89	94	3
4	86	101	81	98	92	8
5	87	97	100	91	94	5
6	87	101	99	94	95	5
7	74	100	92	82	87	10
8	101	98	78	78	89	11
9	95	98	104	81	95	8
12	82	79	77	81	80	2
14	87	91	76	72	82	8
16	81	86	92	93	88	5
18	78	62	69	68	69	6
20	71	77	82	71	75	5
22	59	72	66	67	66	5
24	61	71	66	78	69	6
26	60	60	59	57	59	1
28	55	63	66	62	62	4
30	51	59	53	56	55	3
32	40	44	62	65	53	11
34	56	61	59	43	55	7
36	35	49	61	63	52	11
38	49	33	52	54	47	8
40	46	55	38	46	46	6
42	50	45	50	48	48	2

