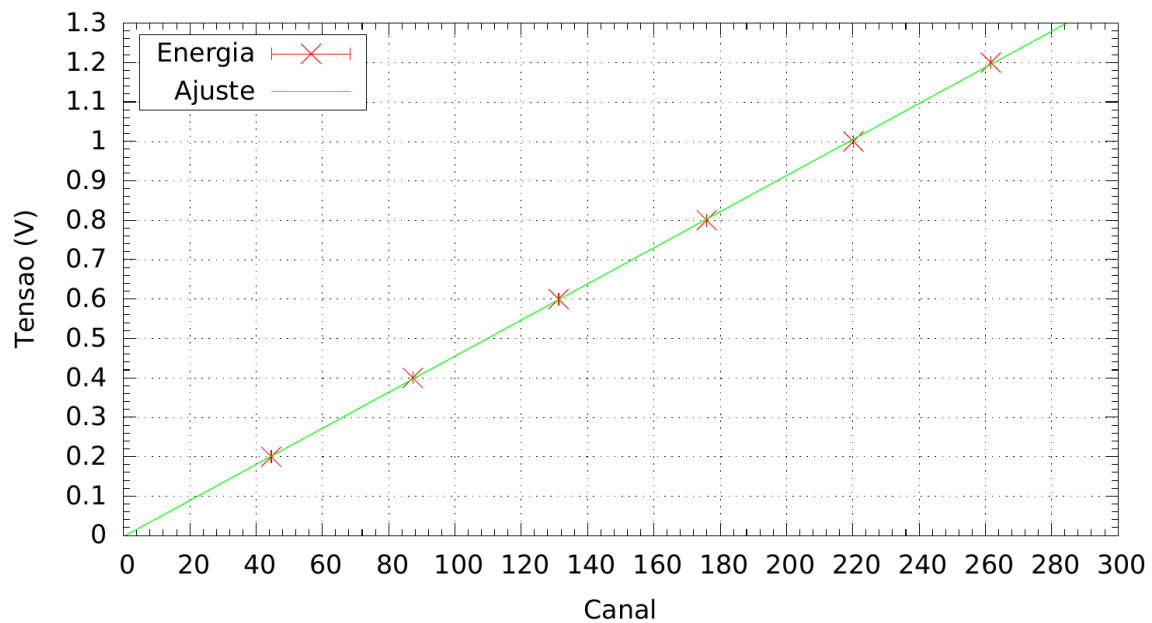


Calibração Tensao-Canal



Plot de Curie

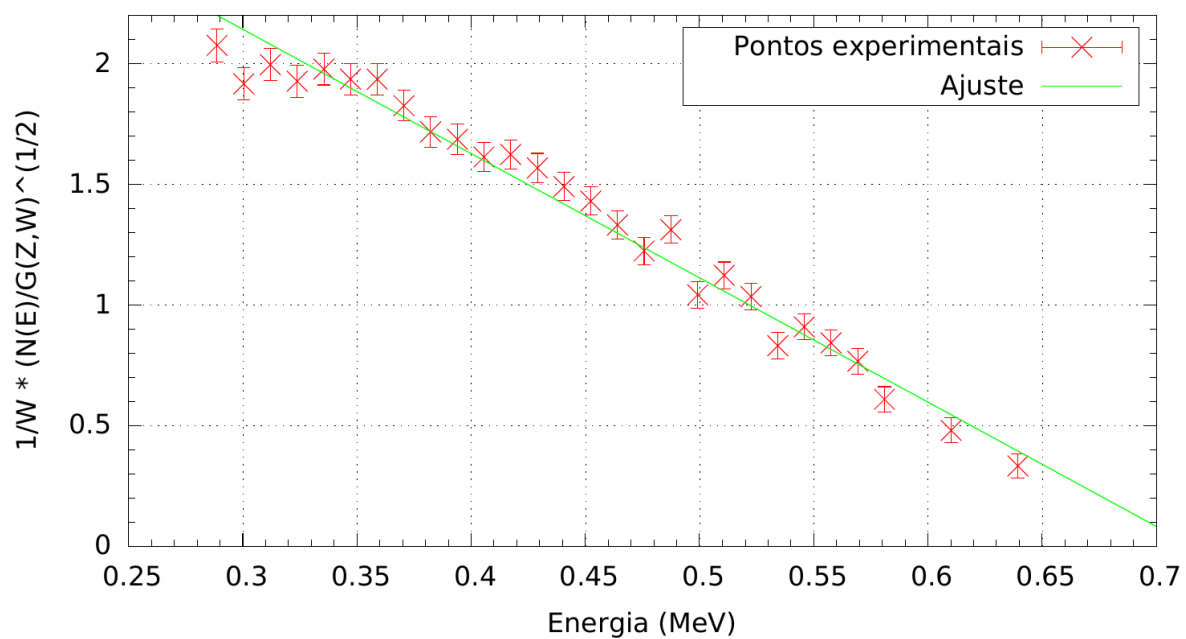


Table 1:

Tensão (V)	Canal	Contagens	Centróide	Contagens Totais
0.2	43	32	44.59 ± 0.02	808 ± 6
	44	338		
	45	397		
	46	41		
0.4	86	55	87.30 ± 0.02	808 ± 7
	87	471		
	88	267		
	89	15		
0.6	130	26	131.25 ± 0.03	807 ± 5
	131	313		
	132	407		
	133	61		
0.8	174	4	175.93 ± 0.02	806 ± 2
	175	180		
	176	496		
	177	126		
1	219	85	220.21 ± 0.02	800 ± 9
	220	476		
	221	239		
	222	0		
1.2	261	295	261.66 ± 0.02	952 ± 17
	262	491		
	263	166		
	264	0		

Table 2:

Pico	FWHM (Canal)	Área (Contagens)	Centróide (Canal)	Energia (keV)	Desv. em σ
480 keV	1.72	7055 ± 140	103.91 ± 0.01	477.2 ± 6.7	-0.42
554 keV	2.19	1964 ± 114	119.67 ± 0.02	550.0 ± 7.3	-0.54
974 keV	1.91	2230 ± 61	210.84 ± 0.02	971.1 ± 11.5	-0.25
1047 keV	1.98	449 ± 29	226.73 ± 0.04	1044.5 ± 12.3	-0.20

Table 3:

Designação do Pico	FWHM (Canal)	Área(Contagens)	Centróide (Canal)
620 keV	7.3	39759 ± 199	106.68 ± 0.02

Table 4:

Canal	Energia (keV)	Contagens	$\frac{1}{W} \left(\frac{N(E)}{G(Z,W)} \right)^{\frac{1}{2}}$
50	288.7 ± 6.1	242 ± 16	2.08 ± 0.07
52	300.4 ± 6.2	211 ± 15	1.92 ± 0.07
54	312.1 ± 6.2	234 ± 15	2.00 ± 0.07
56	323.8 ± 6.3	223 ± 15	1.93 ± 0.07
58	335.5 ± 6.4	240 ± 15	1.98 ± 0.07
60	347.2 ± 6.5	235 ± 15	1.94 ± 0.06
62	358.9 ± 6.5	240 ± 15	1.94 ± 0.06
64	370.6 ± 6.6	218 ± 15	1.83 ± 0.06
66	382.3 ± 6.7	197 ± 14	1.72 ± 0.06
68	393.9 ± 6.8	194 ± 14	1.69 ± 0.06
70	405.6 ± 6.9	181 ± 13	1.61 ± 0.06
72	417.3 ± 6.9	187 ± 14	1.62 ± 0.06
74	429.0 ± 7.0	178 ± 13	1.57 ± 0.06
76	440.7 ± 7.1	164 ± 13	1.49 ± 0.06
78	452.4 ± 7.2	154 ± 12	1.43 ± 0.06
80	464.1 ± 7.3	136 ± 12	1.33 ± 0.06
82	475.8 ± 7.4	117 ± 11	1.22 ± 0.06
84	487.5 ± 7.5	137 ± 12	1.31 ± 0.06
86	499.1 ± 7.6	88 ± 9	1.04 ± 0.06
88	510.8 ± 7.7	104 ± 10	1.12 ± 0.06
90	522.5 ± 7.8	90 ± 9	1.03 ± 0.06
92	534.2 ± 7.9	59 ± 8	0.83 ± 0.05
94	545.9 ± 8.0	72 ± 8	0.91 ± 0.05
96	557.6 ± 8.1	63 ± 8	0.84 ± 0.05
98	569.3 ± 8.2	53 ± 7	0.77 ± 0.05
100	581.0 ± 8.3	34 ± 6	0.61 ± 0.05
105	610.2 ± 8.5	22 ± 5	0.48 ± 0.05
110	639.4 ± 8.8	11 ± 3	0.33 ± 0.05

Pico	Centróide	FWHM	ROI NET	ROI INT	Limite	de Canal	Limite	de Tensão (V)	Corr. Ruído (ξ)
A – 511 keV	298.58 ± 0.06	25.84	30641 ± 348	37173 ± 193	260	336	2.3	2.84	0.82 ± 0.01
A – 1274 keV	704.28 ± 0.24	44.48	6072 ± 197	7524 ± 87	–	–	–	–	–
B – 511 keV	261.65 ± 0.02	23.41	340484 ± 1106	410146 ± 640	224	292	1.96	2.34	0.83 ± 0
B – 1274 keV	617.29 ± 0.07	40.17	60762 ± 572	76410 ± 276	–	–	–	–	–

θ (°)	t _{acquisicao} (s)	C ₁	C ₂	C ₃	R _{c₁corr.} (s ⁻¹)	R _{c₂corr.} (s ⁻¹)	R _{c₃corr.} (s ⁻¹)
-20	120	14942 ± 122	13664 ± 117	148 ± 12	102.64 ± 1.53	94.53 ± 0.88	1.06 ± 0.10
-15	90	11185 ± 106	10271 ± 101	727 ± 27	102.44 ± 1.60	94.74 ± 1.00	7.91 ± 0.30
-12	60	7448 ± 86	6802 ± 82	831 ± 29	102.32 ± 1.74	94.11 ± 1.19	13.68 ± 0.48
-10	30	3789 ± 62	3678 ± 61	658 ± 26	104.11 ± 2.13	101.78 ± 1.72	21.75 ± 0.86
-9	30	3659 ± 60	3582 ± 60	729 ± 27	100.53 ± 2.08	99.12 ± 1.69	24.13 ± 0.90
-8	30	3760 ± 61	3647 ± 60	811 ± 28	103.31 ± 2.12	100.92 ± 1.71	26.85 ± 0.95
-7	30	3843 ± 62	3372 ± 58	830 ± 29	105.59 ± 2.15	93.31 ± 1.64	27.49 ± 0.96
-6	30	3680 ± 61	3411 ± 58	905 ± 30	101.11 ± 2.09	94.39 ± 1.65	30.00 ± 1.00
-5	30	3594 ± 60	3217 ± 57	961 ± 31	98.75 ± 2.06	89.02 ± 1.60	31.88 ± 1.03
-4	30	3600 ± 60	3354 ± 58	995 ± 32	98.91 ± 2.06	92.81 ± 1.64	33.01 ± 1.05
-3	30	3764 ± 61	3417 ± 58	1146 ± 34	103.42 ± 2.12	94.55 ± 1.65	38.03 ± 1.13
-2	30	3680 ± 61	3560 ± 60	1243 ± 35	101.11 ± 2.09	98.51 ± 1.69	41.26 ± 1.18
-1	30	3630 ± 60	3404 ± 58	1199 ± 35	99.74 ± 2.07	94.19 ± 1.65	39.80 ± 1.15
0	30	3685 ± 61	3364 ± 58	1175 ± 34	101.25 ± 2.09	93.09 ± 1.64	39.00 ± 1.14
1	30	3617 ± 60	3323 ± 58	1115 ± 33	99.38 ± 2.07	91.95 ± 1.63	37.01 ± 1.11
2	30	3803 ± 62	3343 ± 58	1063 ± 33	104.49 ± 2.14	92.51 ± 1.63	35.26 ± 1.09
3	30	3599 ± 60	3322 ± 58	981 ± 31	98.89 ± 2.06	91.93 ± 1.63	32.54 ± 1.04
4	30	3661 ± 61	3326 ± 58	895 ± 30	100.59 ± 2.08	92.04 ± 1.63	29.67 ± 1.00
5	30	3725 ± 61	3564 ± 60	881 ± 30	102.35 ± 2.11	98.62 ± 1.69	29.19 ± 0.99
6	30	3677 ± 61	3355 ± 58	772 ± 28	101.03 ± 2.09	92.84 ± 1.64	25.57 ± 0.93
7	30	3754 ± 61	3347 ± 58	671 ± 26	103.15 ± 2.12	92.62 ± 1.64	22.20 ± 0.86
8	30	3693 ± 61	3447 ± 59	650 ± 25	101.47 ± 2.10	95.38 ± 1.66	21.50 ± 0.85
9	30	3641 ± 60	3271 ± 57	515 ± 23	100.04 ± 2.08	90.51 ± 1.62	17.01 ± 0.76
10	30	3637 ± 60	3345 ± 58	433 ± 21	99.93 ± 2.07	92.56 ± 1.63	14.27 ± 0.69
12	60	7375 ± 86	6548 ± 81	558 ± 24	101.32 ± 1.73	90.60 ± 1.17	9.14 ± 0.39
15	90	11059 ± 105	10049 ± 100	400 ± 20	101.29 ± 1.59	92.69 ± 0.98	4.28 ± 0.22
20	120	14704 ± 121	13274 ± 115	62 ± 8	101.00 ± 1.51	91.83 ± 0.86	0.35 ± 0.07

1º Momento	2º Momento	3º Momento	4º Momento
-0.65	37.21	4.72	3584.16
–	Desvio Padrão	Assimetria	Kurtosis
–	6.10	0.021	2.59