

16.90(5) Hr. ^{97}Zr

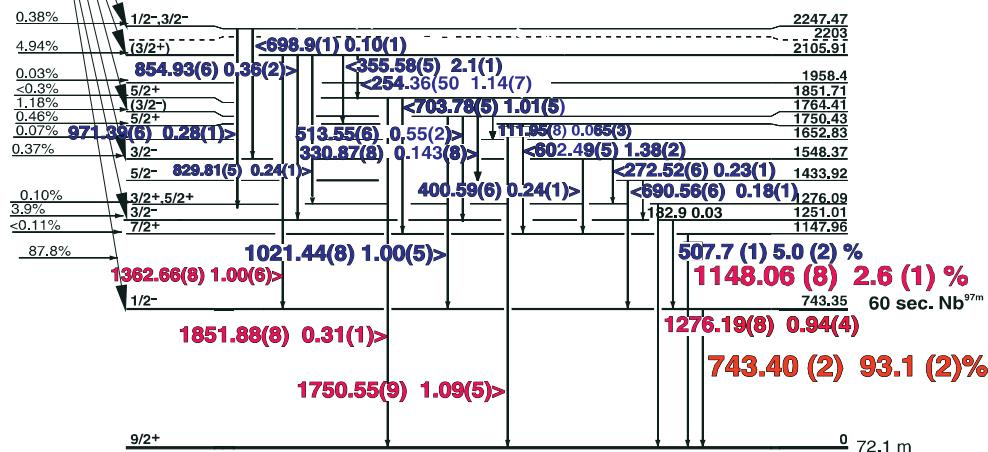
^{97}Zr Decay Scheme

16.90(5) hr.

^{97}Zr
40

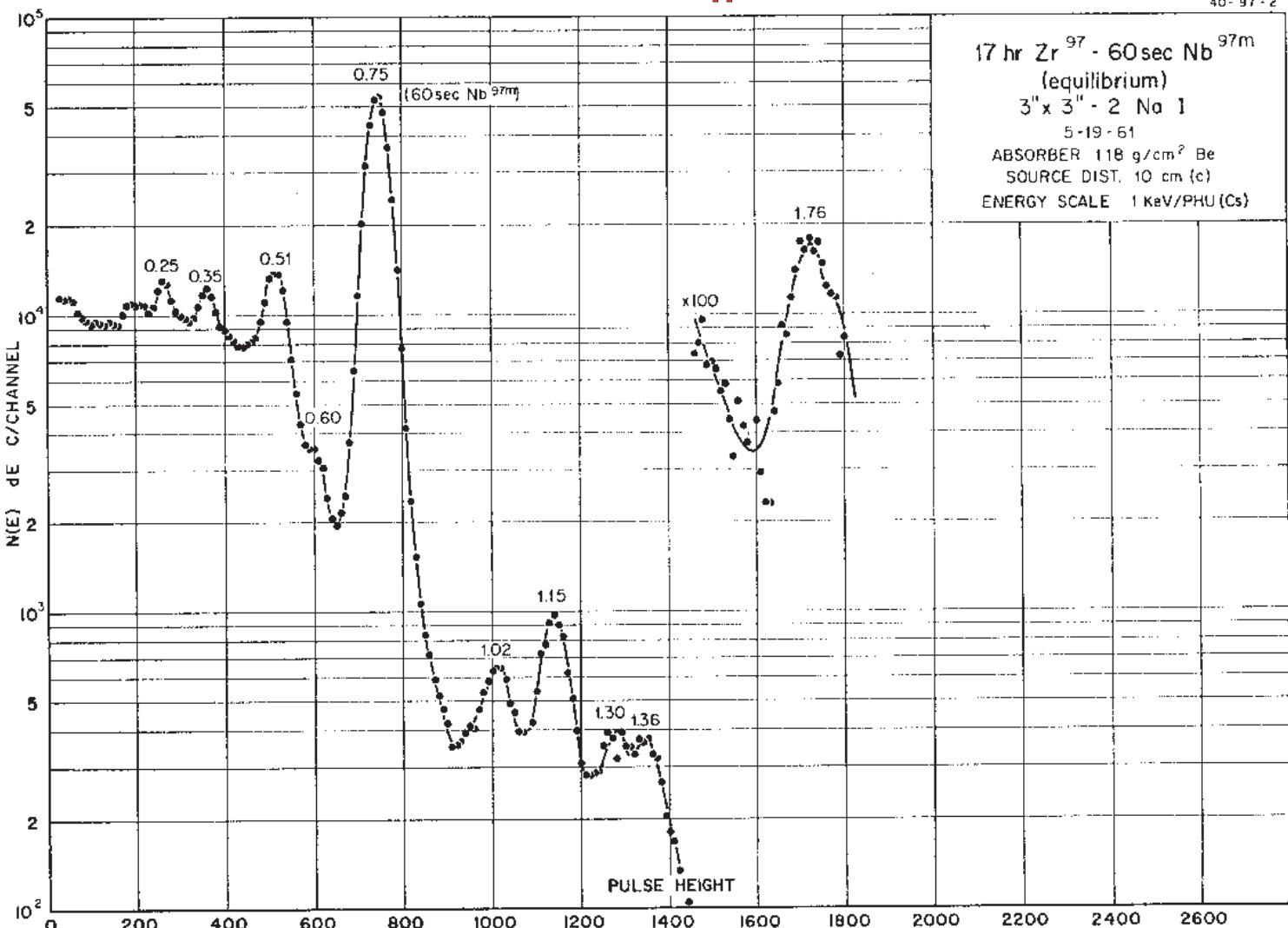
$Q = 2658.1$

Decay Data



^{97}Nb
41

40 - 97 - 2



16.90(5) Hr. ^{97}Zr

40-97-2

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide $^{97}\text{Zr} - ^{97m}\text{Nb}$ Half Life 16.90(5) hr.
 Detector 3" X 3" NaI-2 Method of Production: $\text{Zr}^{96}(\text{n},\gamma)$

	E_{γ} (KeV)[S]	ΔE_{γ}	I_{γ} (rel)	$I_{\gamma}(\%)$ [E]	ΔI_{γ}	S
Nb ^{97m}	111.95	± 0.08	0.115	0.07	± 0.01	2
	182.9	± 0.5	0.072	0.03	± 0.01	4
	218.90	± 0.1	0.292	0.17	± 0.02	4
	254.3	± 0.2	1.42	1.20	± 0.1	3
	272.52	± 0.2	0.32	0.25	± 0.03	4
	330.53	± 0.1	0.25	0.15	± 0.02	4
	355.5	± 0.1	2.39	2.2	± 0.15	3
	400.58	± 0.06	0.247	0.25	± 0.02	4
	507.79	± 0.08	5.35	5.3	± 0.25	3
	513.55	± 0.06	0.60	0.57	± 0.05	4
	602.49	± 0.05	1.75	1.38	± 0.10	4
	658.17	± 0.03	108.8	98	± 5.0	1
	690.56	± 0.06	0.29	0.18	± 0.025	4
	698.9	± 0.1	0.07	0.094	± 0.015	4
	703.78	± 0.05	1.10	0.94	± 0.06	3
DE	743.40	± 0.035	100	93	± 5.0	1
	756.68	± 0.08	0.29		± 0.08	4
	804.55	± 0.05	0.72	0.62	± 0.08	3
	829.809	± 0.050	0.30		± 0.02	4
	854.935	± 0.06	0.38	0.35	± 0.025	3
Nb ⁹⁷	971.39	± 0.06	0.32	0.27	± 0.02	3
	1021.44	± 0.08	1.36	0.93	± 0.18	2
	1024.47	± 0.08	0.11	1.1	± 0.1	2
	1110.3	± 0.3	0.10	0.09	± 0.03	4
	1116.74	± 0.1	w			4
Nb ⁹⁷	1148.06	± 0.08	2.59	2.61	± 0.12	1
	1268.47	± 0.08	0.14	0.15	± 0.02	4
	1276.19	± 0.08	0.90	0.93	± 0.05	1
	1362.66	± 0.08	1.14	0.95	± 0.06	1
	1750.55	± 0.09	1.13	0.96	± 0.09	1
	1851.8	± 0.08	0.32	0.30	± 0.03	1