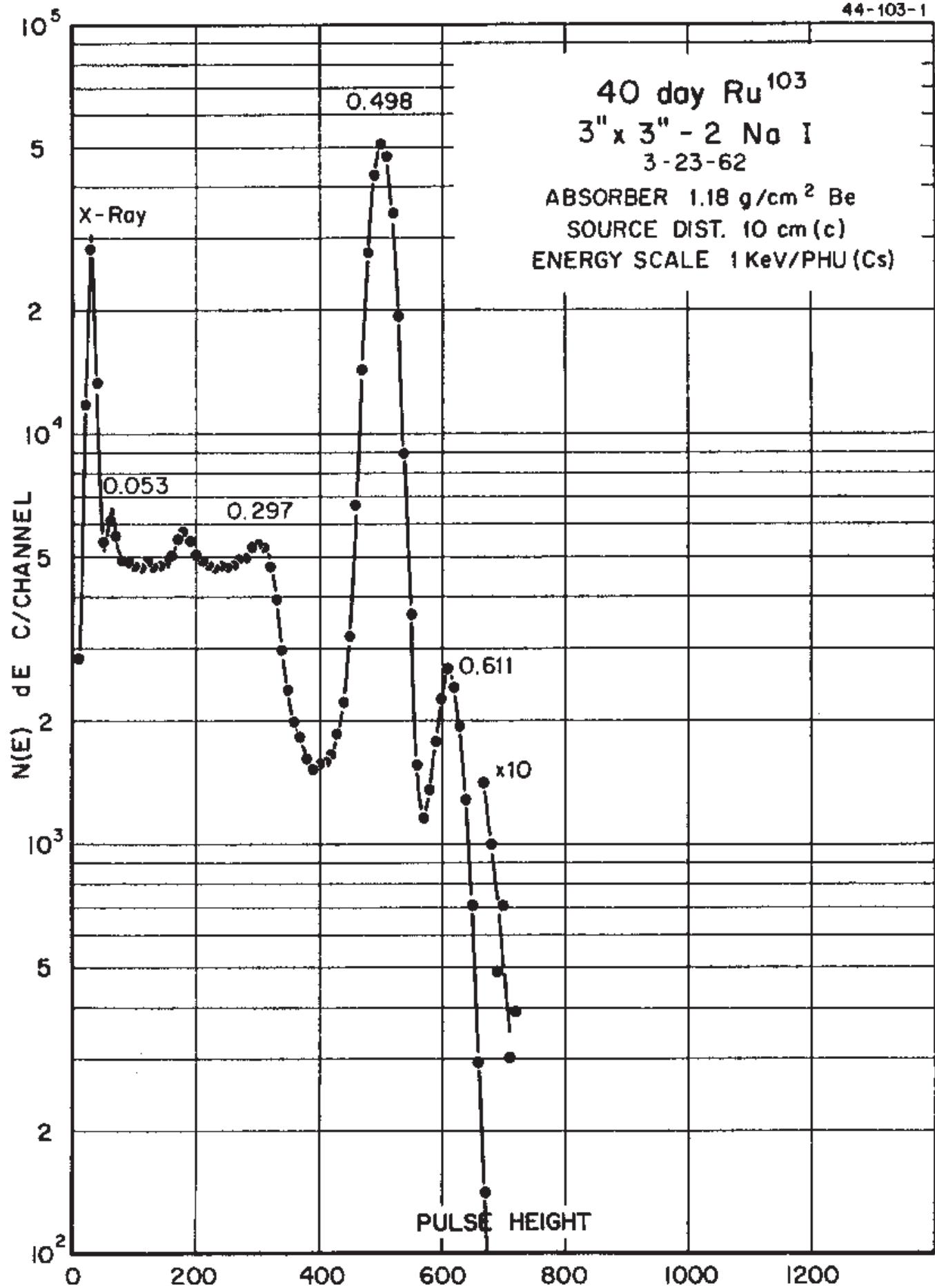
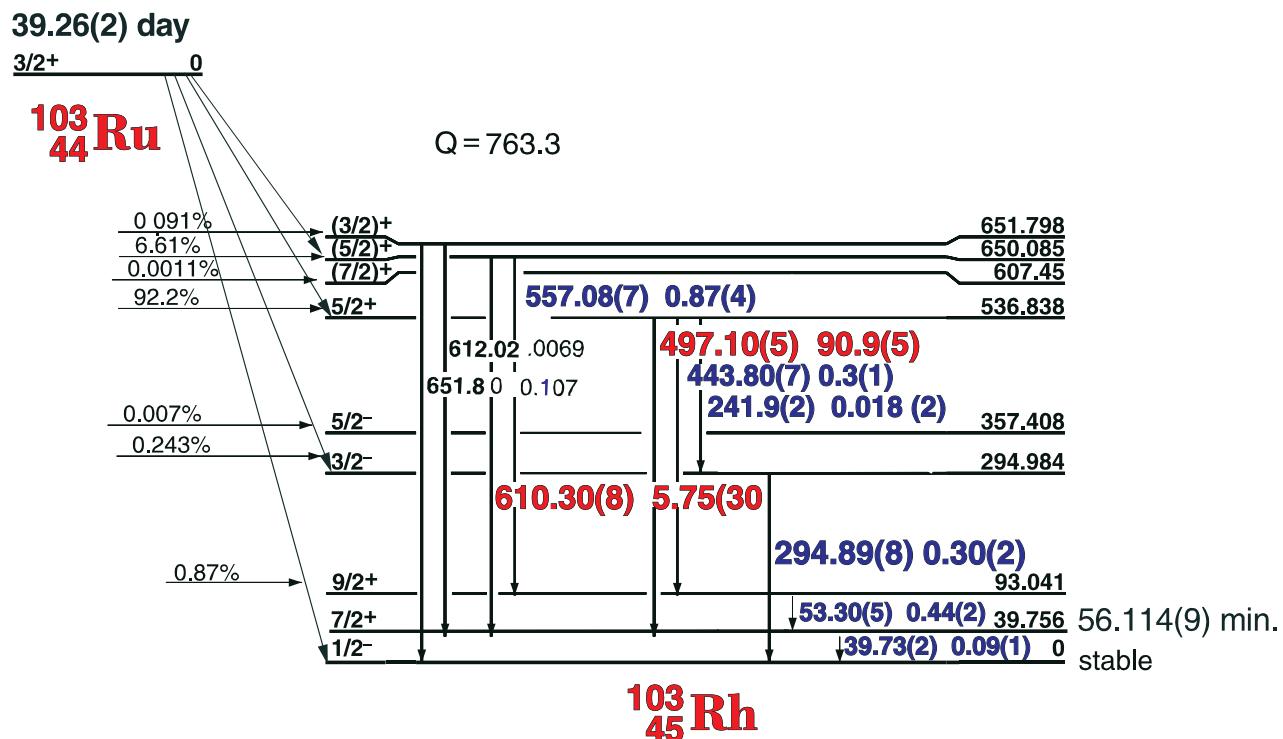


44-103-1

40 day Ru¹⁰³
 3" x 3" - 2 No I
 3-23-62
 ABSORBER 1.18 g/cm² Be
 SOURCE DIST. 10 cm (c)
 ENERGY SCALE 1 KeV/PHU (Cs)



39.26(2) day ^{103}Ru Decay Scheme



44-103-1

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide **^{103}Ru** Half Life 39.26(2) day
Detector 3" x 3" -2 NaI Method of Production: $^{102}\text{Ru}(n,\gamma)$

E_{γ} (KeV)[S]	ΔE_{γ}	$I_{\gamma}(\text{rel})$	$I_{\gamma}(\%)$ [E]	ΔI_{γ}	S
39.73	± 0.02	0.060	0.09	± 0.01	4
53.30	± 0.05	0.41	0.44	± 0.02	4
113.2	± 0.1	V.W.			4
241.9	± 0.2	V.W.	0.018	± 0.002	4
294.89	± 0.08	0.31	0.30	± 0.02	3
443.80	± 0.07	0.40	0.3	± 0.03	3
497.10	± 0.05	100	90.9	± 0.5	1
557.08	± 0.07	0.87	0.87	± 0.04	4
610.30	± 0.08	7.4	5.75	± 0.03	1