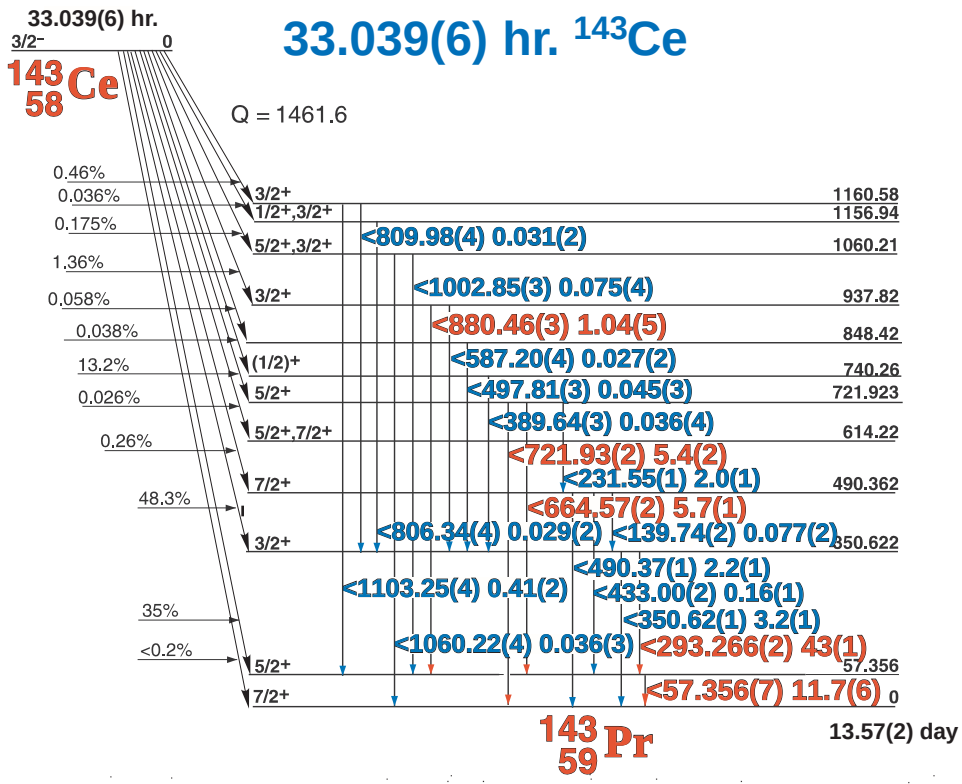
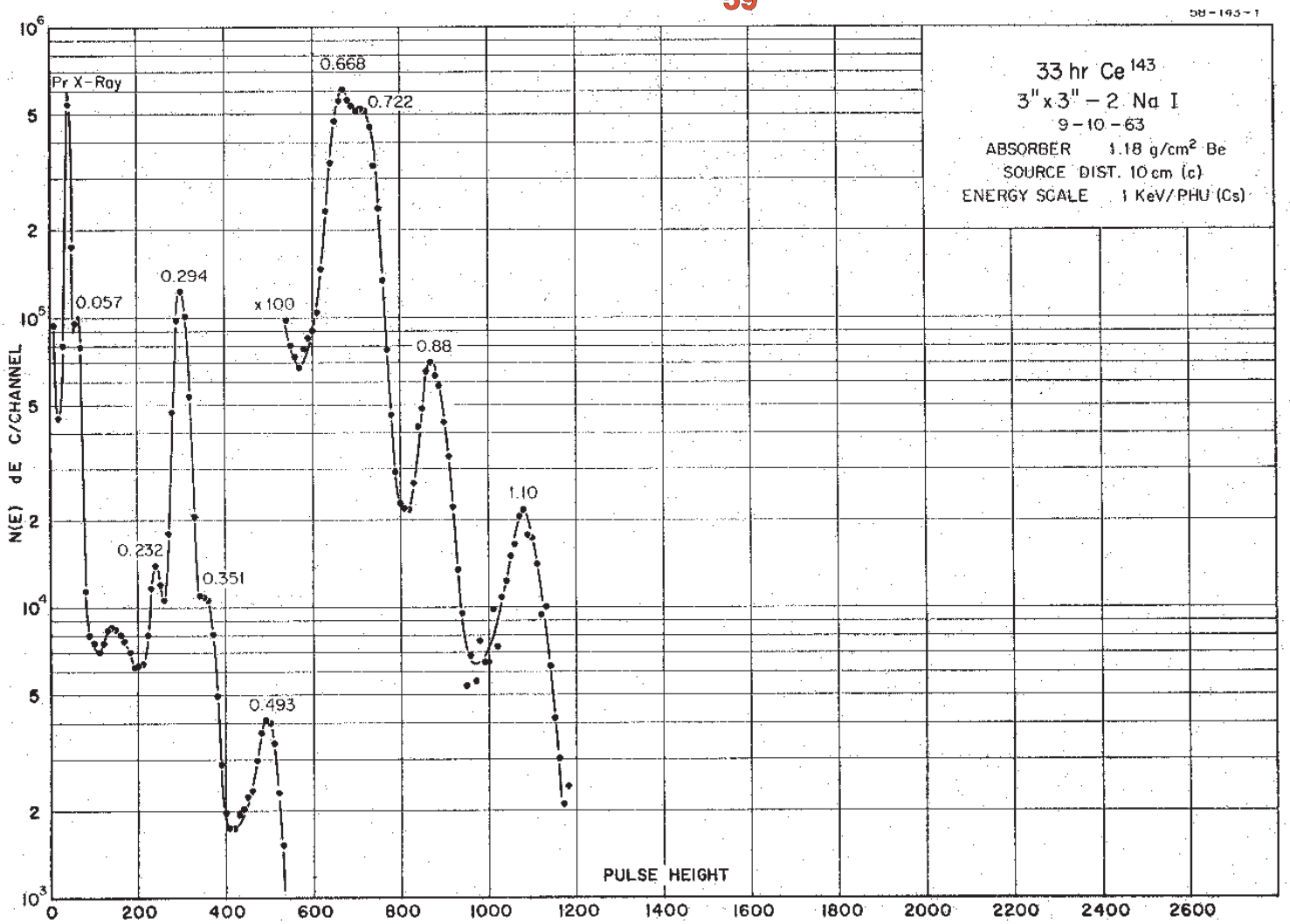
33.039(6) hr. ^{143}Ce





33.039(6) hr. ^{143}Ce

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{143}**Ce** Half Life 33.039(6) hr.
Detector 3" x 3" -2 NaI Method of Production: ^{142}Ce(n,γ)

E_γ(KeV)[E]	ΔE_γ	I_γ(rel)	I_γ(%)	ΔI_γ	S
Pr x-rays					**4**
57.356	**± 0.007**		**11.7**	**± 0.6**	**1**
139.74	± 0.02		0.077	± 0.002	4
231.55	± 0.01		2.0	± 0.1	3
293.266	**± 0.002**		**43.0**	**± 1.0**	**1**
350.56	**± 0.01**		**3.2**	**± 0.1**	**2**
389.64	± 0.03		0.036	± 0.004	4
433.00	± 0.02		0.16	± 0.01	3
490.37	± 0.01		2.2	± 0.1	3
497.81	± 0.03		0.045	± 0.003	4
587.20	± 0.04		0.027	± 0.002	4
664.57	**± 0.02**		**5.7**	**± 0.1**	**1**
721.93	**± 0.02**		**5.4**	**± 0.2**	**1**
806.34	± 0.04		0.34	± 0.04	3
809.98	± 0.04		0.031	± 0.002	4
1002.85	± 0.03		0.075	± 0.004	4
1060.22	± 0.04		0.036	± 0.003	4
1103.25	**± 0.04**		**0.41**	**± 002**	**2**

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