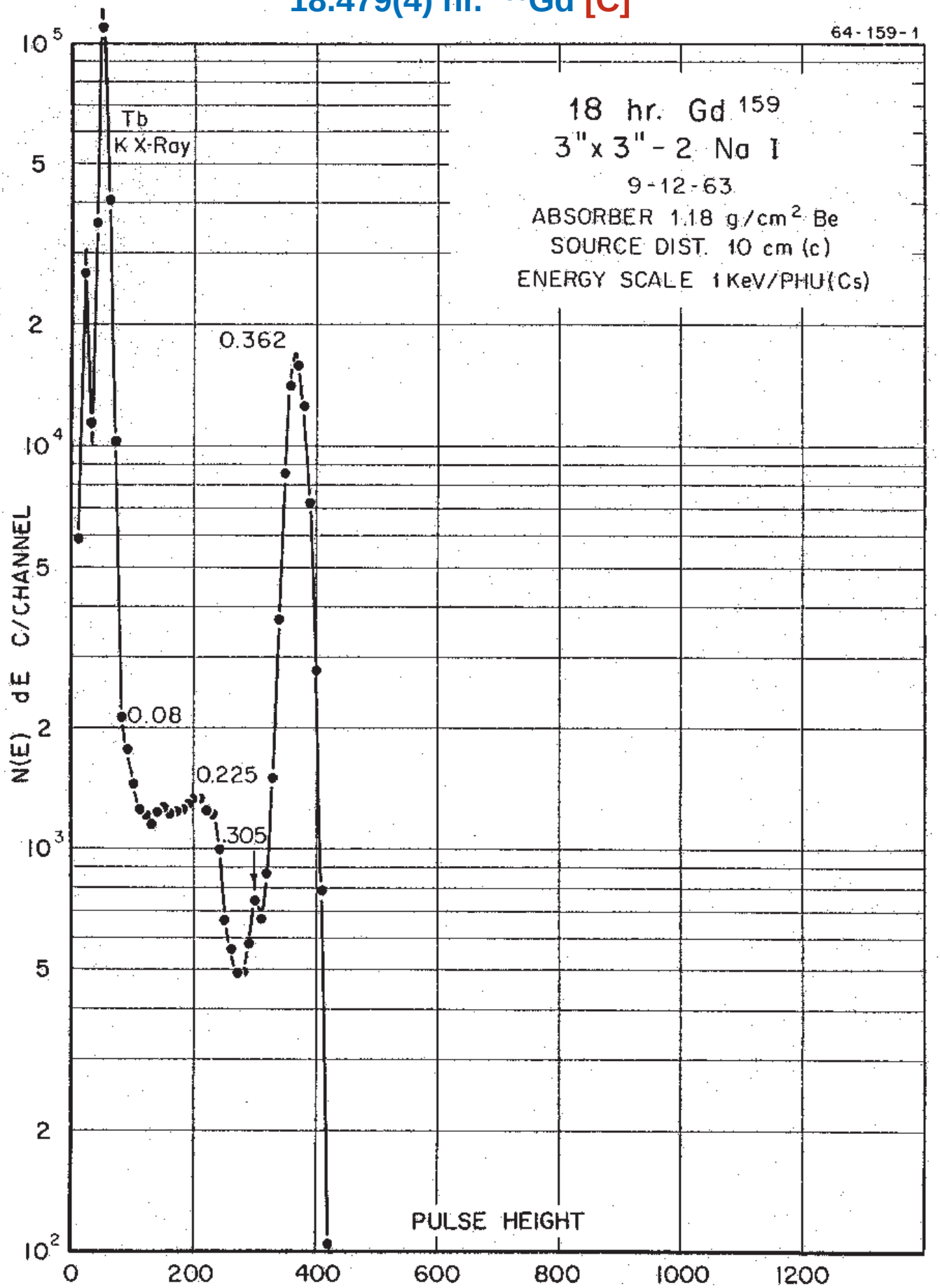
18.479(4) hr. ^{159}Gd [C]



Decay Data

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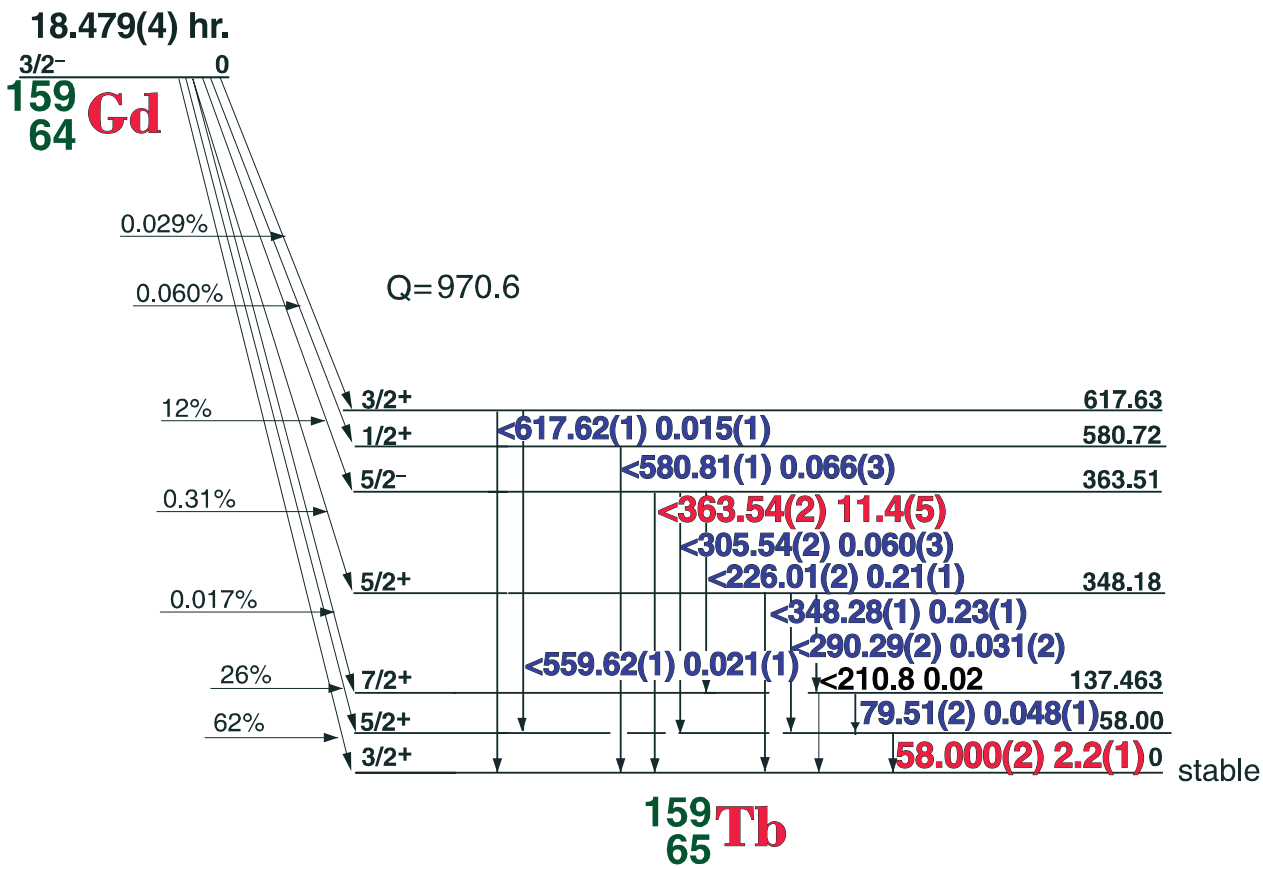
18.479(4) hr. ^{159}Gd [C]



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{159}**Gd** Half Life 18.479(4) hr.
Detector 3" x 3" -2 NaI Method of Production: ^{158}Gd(n,γ,)

E_γ (KeV)[C]	ΔE_γ	I_γ(rel)	I_γ(%)[E]	ΔI_γ	S
Tb x- rays					
58.000	**± 0.002**	**11.3**	**2.2**	**± 0.1**	**1**
79.51	± 0.01	0.43	0.48	± 0.02	4
226.01	± 0.02	1.74	0.21	± 0.01	3
290.29	± 0.01	0.30	0.031	± 0.002	4
305.54	± 0.02	0.56	0.060	± 0.003	3
348.28	± 0.01	2.03	0.23	± 0.01	3
363.54	**± 0.02**	**100**	**11.4**	**± 0.5**	**1**
559.62	± 0.01	0.18	0.21	+ 0.01	3
580.81	**± 0.01**	**0.59**	**0.066**	**+ 0.003**	**2**
617.62	± 0.01	0.16	0.015	+ 0.001	3

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