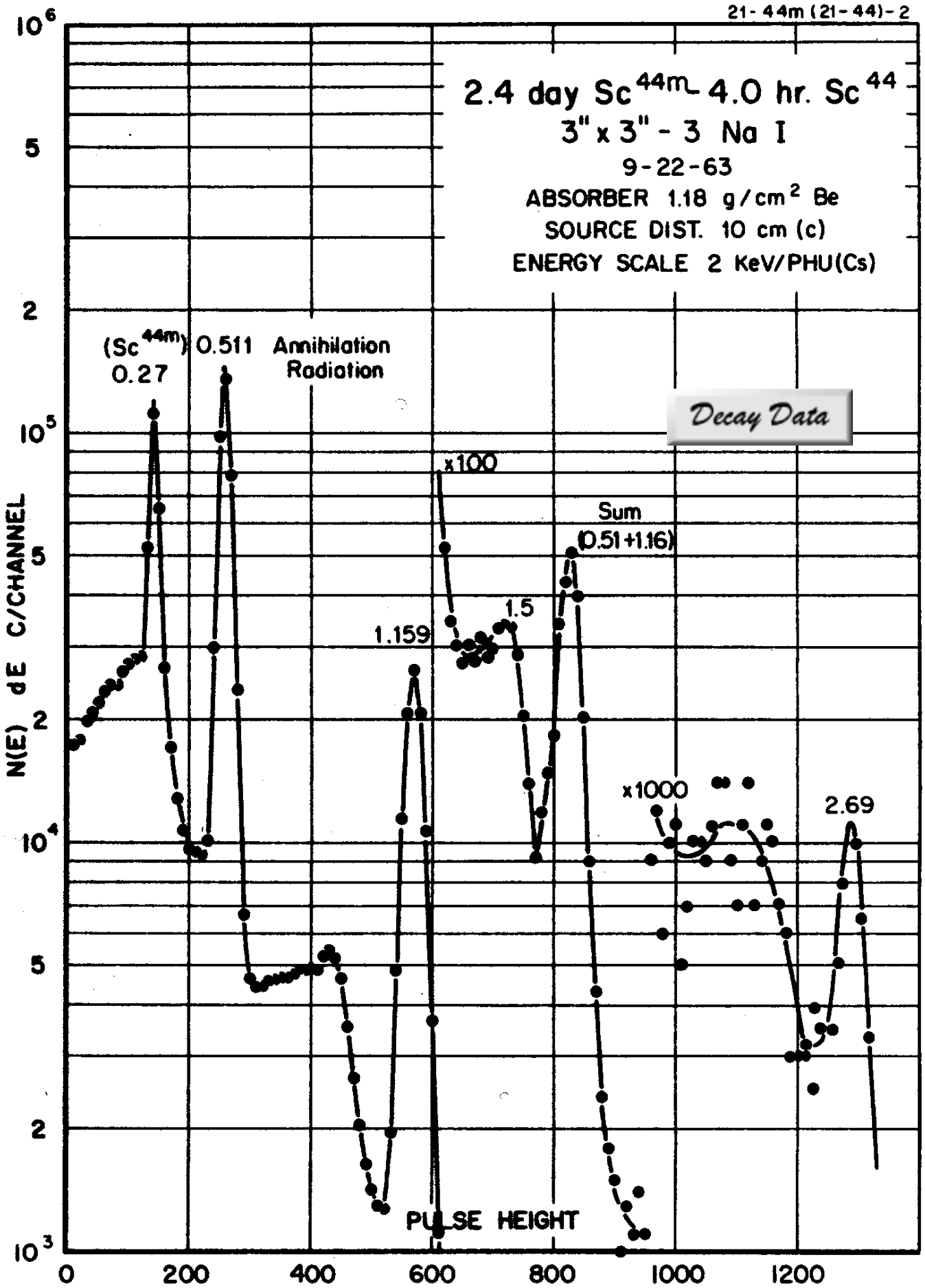
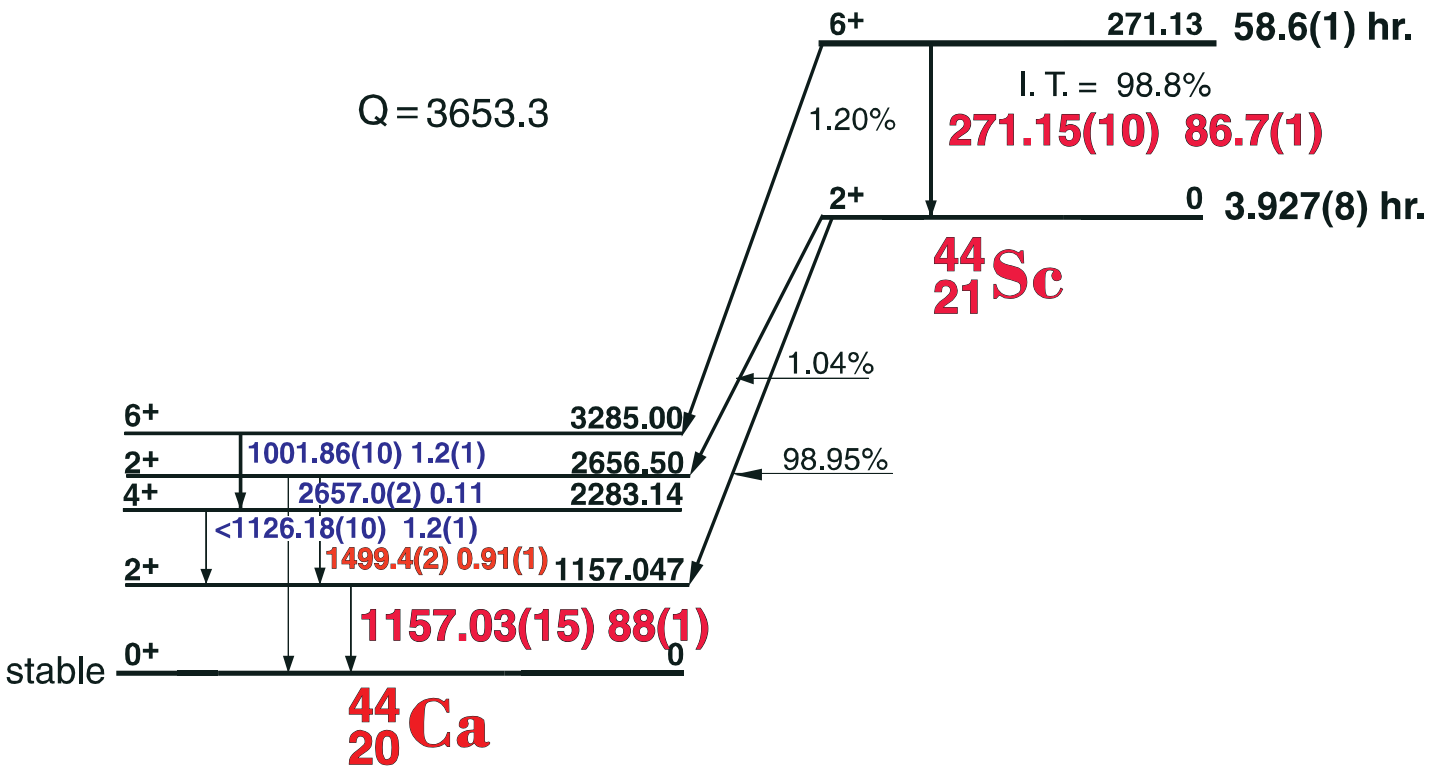


Decay Data
Index

58.6 Hr. ^{44m}Sc - 3.927 Hr. ^{44}Sc

Sc^{44m} - Sc^{44} Decay Scheme



21-44m-1

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{44m}Sc - ^{44}Sc Half Life 58.6(1) hr. - 3.927(8) hr..
Detector 3" X 3" - 2 NaI Method of Production: $Sc^{45}(\gamma,n)$

E_γ (KeV)[S]	ΔE_γ	I_γ(rel)	I_γ(%)[E]	ΔI_γ	S
271.13	± 0.1	77.9	87	± 0.5	1
511 annihilation rad.					1
1001.86	± 0.15	1.1	1.2	± 0.1	4
1126.18	±0.15	1.1	1.2	± 0.1	3
1157.03	± 0.15	100	88	± 1.0	1
1499.43	± 0.2	0.9	0.91	± 0.05	1
2657.14	± 0.2	0.14	0.11	± 0.05	2

Index