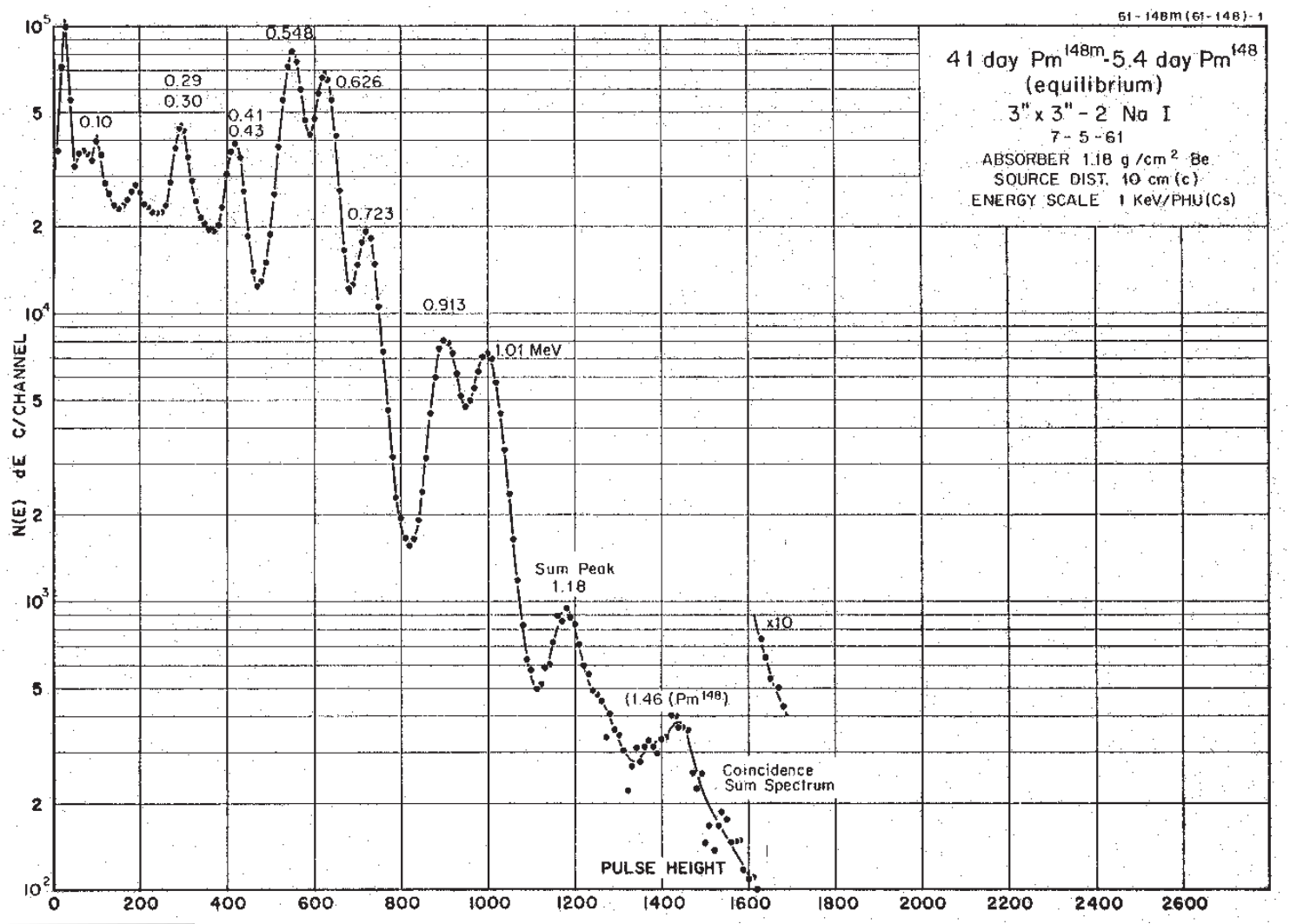
41.3(1) day ^{148m}Pm - 5.370(9) day ^{148}Pm



Decay Data

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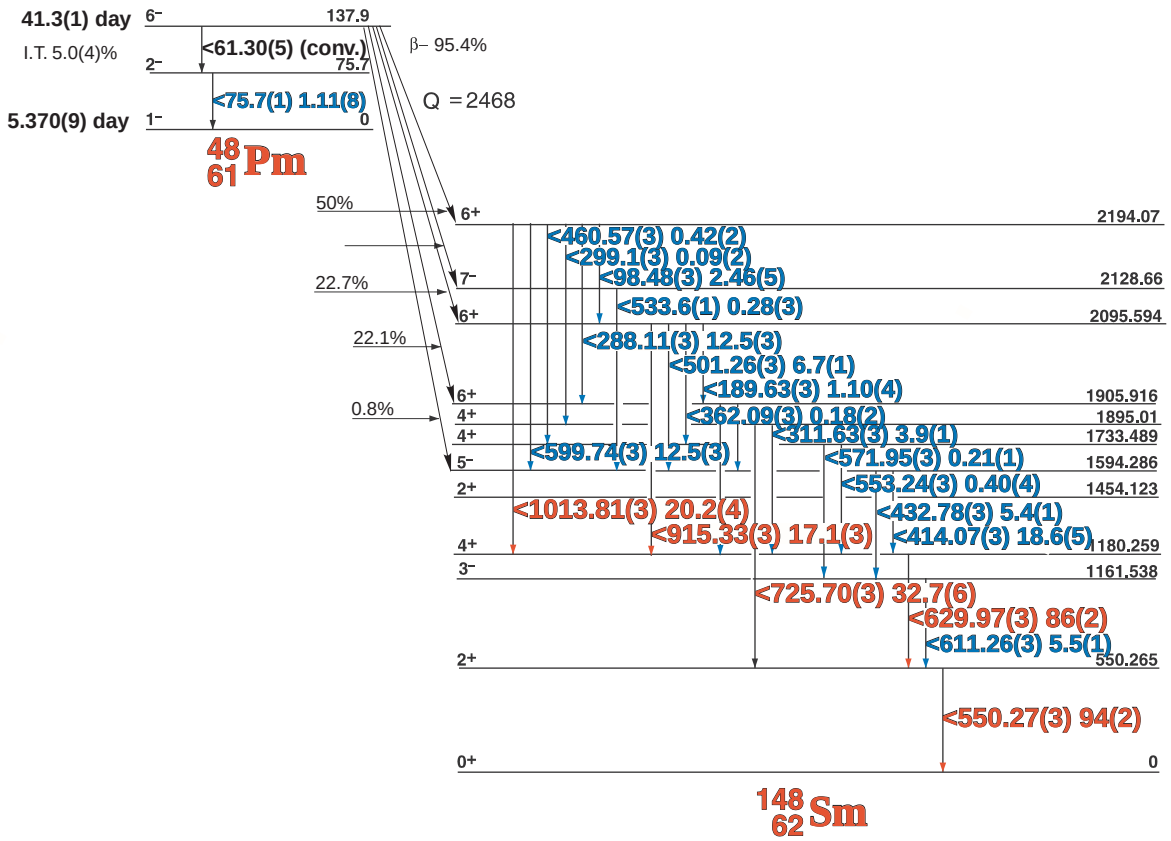
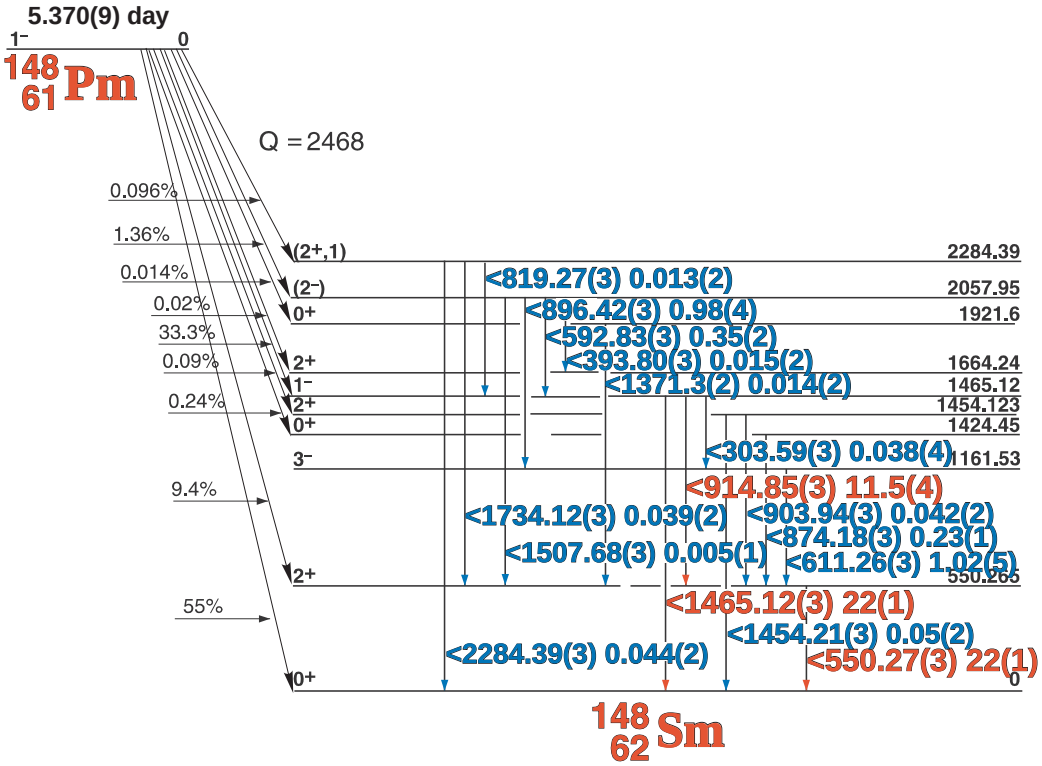
41.3(1) day ^{148m}Pm - 5.370(9) day ^{148}Pm





41.3(1) day ^{148m}Pm - 5.370(9) day ^{148}Pm

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{148m}**Pm** - ^{148}**Pm** Half Life: 41.3(10 day - 5.370(9) day
Detector 3" X 3" NaI-2 Method of Production: ^{148}Sm(n,p)

E_γ(KeV)[S]	ΔE_γ	I_γ(rel)	I_γ(%)[E]	ΔI_γ	S
41.3 day ^{148m}Pm					
62.2		I.T.(conv.)			
75.7	± 0.1	I.T.	1.11	± 0.08	4
98.48	± 0.03		2.46	± 0.05	3
189.63	± 0.03		1.10	± 0.04	4
288.11	± 0.03		12.5	± 0.3	3
299.1	± 03		0.09	± 0.01	4
311.63	± 0.03		3.9	± 0.1	3
362.09	± 0.03		0.18	± 0.02	4
414.07	**± 0.03**		**18.6**	**± 0.5**	**2**
432.78	**± 0.03**		**5.4**	**± 0.1**	**2**
460.57	± 0.03		0.42	± 0.02	4
501.26	**± 0.03**		**6.7**	**± 0.1**	**1**
533.6	± 0.1		0.28	± 0.03	3
553.24	± 0.03		0.40	± 0.04	4
571.95	± 0.03		0.21	± 0.01	4
599.74	**± 0.03**		**12.5**	**± 0.3**	**1**
611.26	**± 0.03**		**5.5**	**± 0.1**	**2**
629.97	**± 0.03**		**86**	**± 2.0**	**1**
725.70	**± 0.03**		**32.7**	**± 0.6**	**1**
915.33	**± 0.03**		**17.1**	**± 0.3**	**1**
1013.81	**± 0.03**		**20.2**	**± 0.4**	**1**
5.37 day ^{148}Pm					
303.59	± 0.03		0.038	± 0.004	4
393.80	+ 0.03		0.015	± 0.002	4
550.27	**± 0.03**		**22**	**± 1.0**	**1**
592.83	± 0.03		0.35	± 0.02	4
611.26	± 0.03		1.02	± 0.05	4
819.27	± 0.03		0.014	± 0.002	4
874.18	± 0.03		0.23	± 0.01	4
896.42	± 0.03		0.98	± 0.04	4
903.94	± 0.03		0.042	± 0.004	4
914.85	**± 0.03**		**11.5**	**± 0.4**	**1**
1454.21	± 0.03		0.05	± 0.02	4
1465.12	**± 0.03**		**22**	**± 1.0**	**1**
1507.68	± 0.03		0.005	± 0.001	4
1734.12	± 0.03		0.039	± 0002	4
2284.39	± 0.03		0.044	± 0.002	4

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