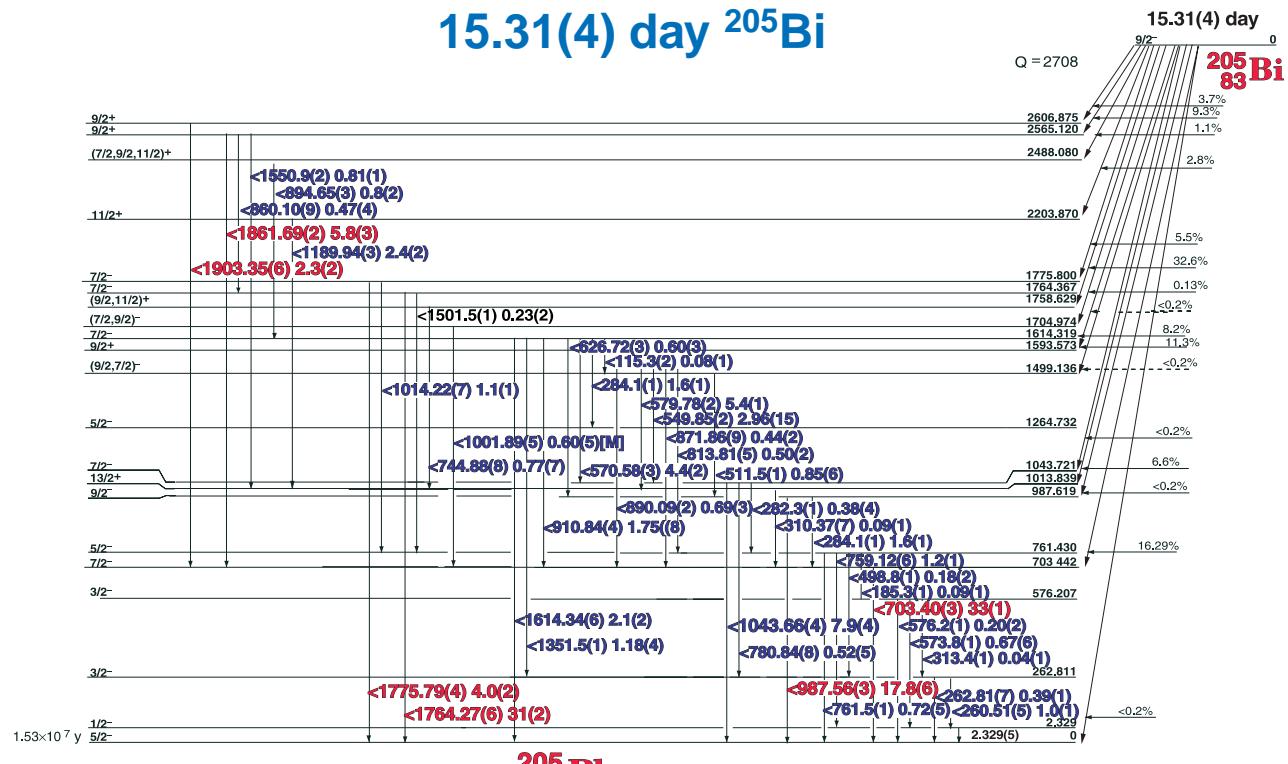
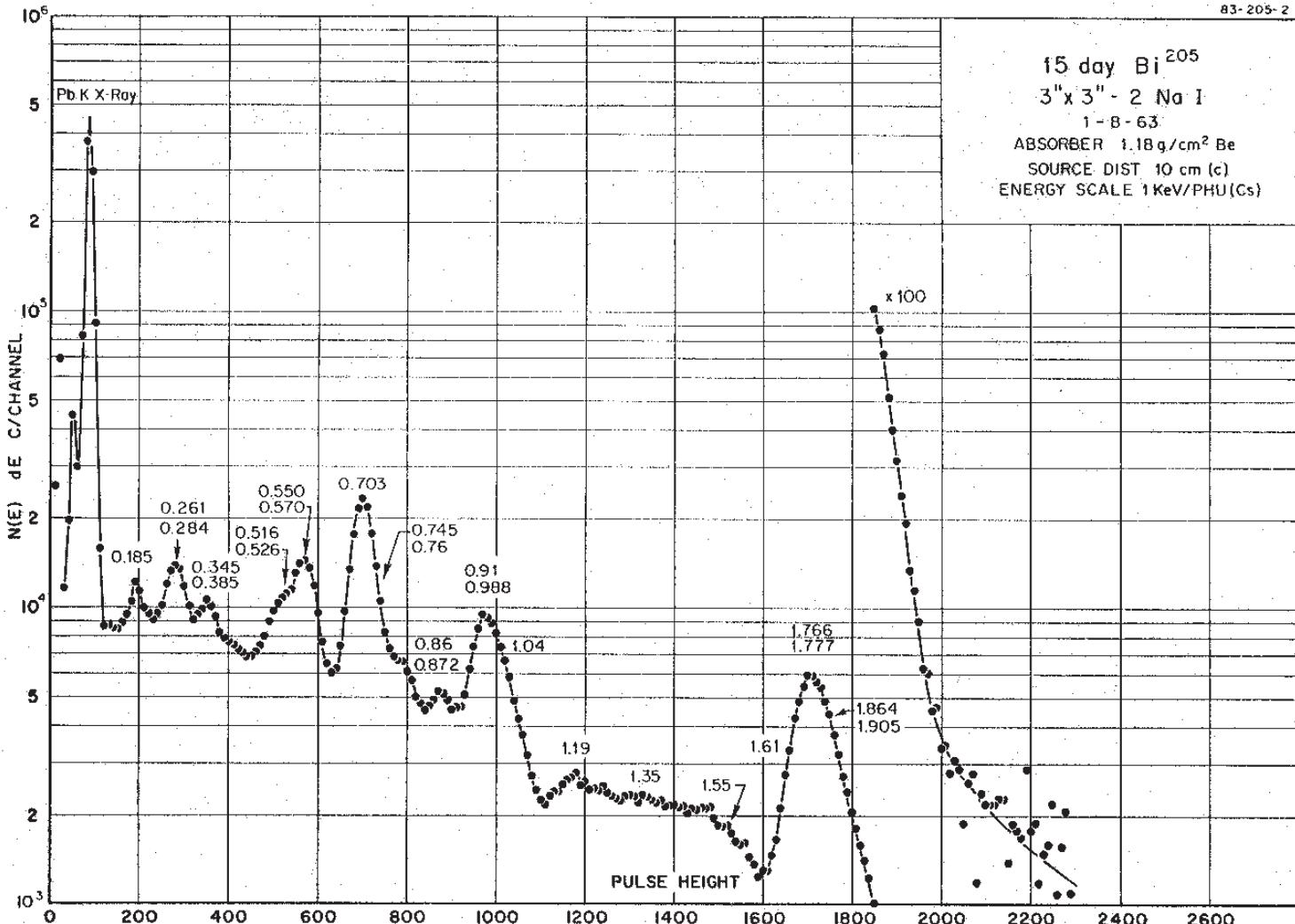


15.31(4) day ^{205}Bi



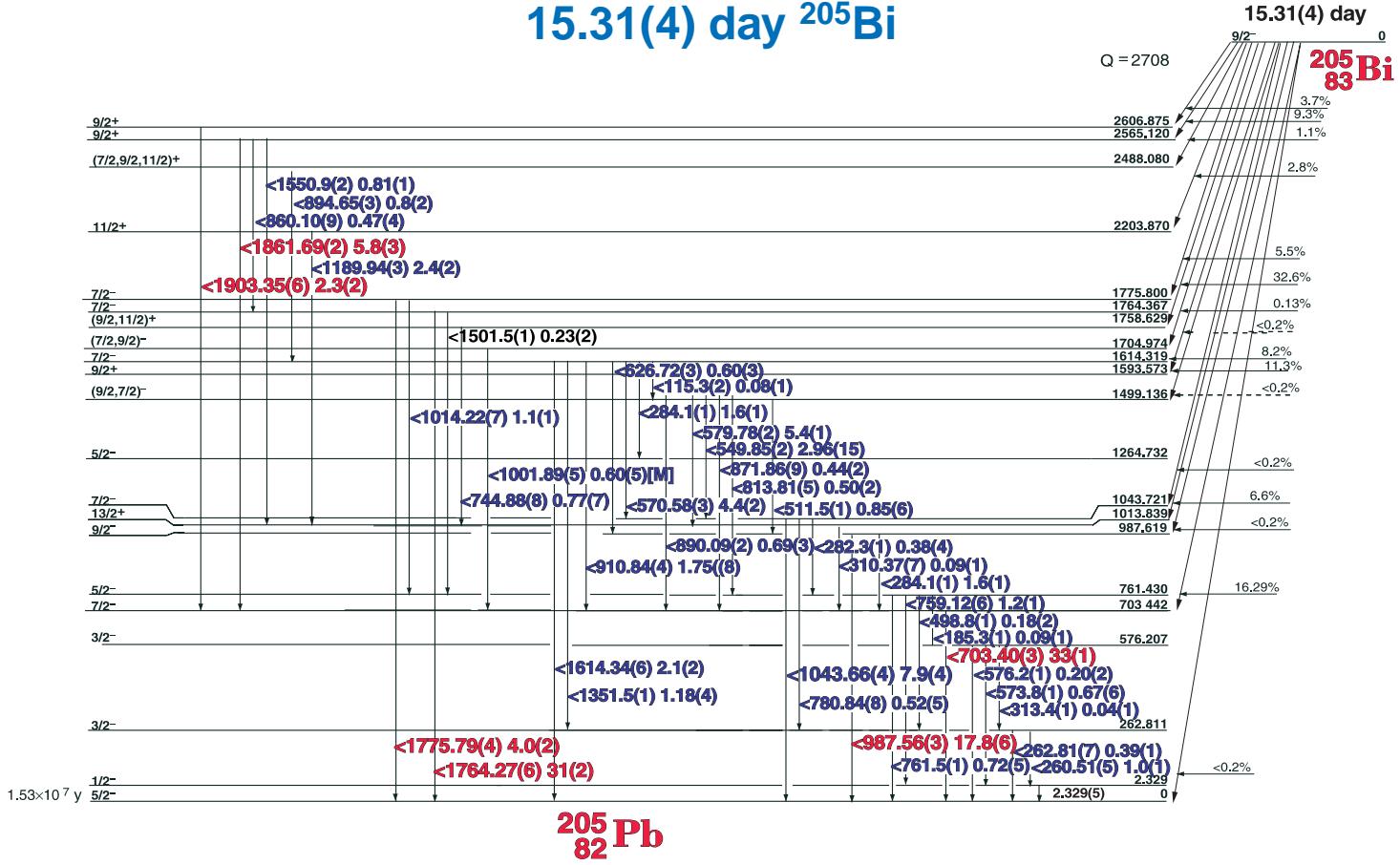
^{205}Pb



Decay Data

← Index →

15.31(4) day ^{205}Bi



^{205}Pb

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide
 ^{205}Bi
Detector
3" x 3" NaI

Half Life 15.31(4) day
Method of Production: $^{206}\text{Pb}(p,2n)$

E_{γ} (KeV)[S]	ΔE_{γ}	I_{γ} (rel)	$I_{\gamma}(\%)[E]$	ΔI_{γ}	S
115.409	± 0.18	0.23	0.08	± 0.01	4
129.62	± 0.02	0.03	0.006	± 0.002	4
185.29	± 0.11	0.28	0.09	± 0.01	4
260.511	± 0.05	3.10	1.0	± 0.11	3
262.81	± 0.07	1.19	0.39	± 0.02	4
282.26	± 0.10	1.14	0.38	± 0.02	4
284.12	± 0.10	4.80	1.6	± 0.1	3
310.37	± 0.07	0.27	0.09	± 0.01	4
313.4	± 0.1	0.18	0.04	± 0.01	4
349.55	± 0.05	1.48	0.50	± 0.03	4
493.70	± 0.035	0.97	0.35	± 0.02	4
498.84	± 0.15	0.55	0.18	± 0.02	4
511.5	± 0.1		0.85	± 0.06	3
549.855	± 0.02	8.88	2.96	± 0.15	3
570.581	± 0.035	13.22	4.4	± 0.20	2
579.78	± 0.020		5.4	± 0.1	3
626.72	± 0.03	1.78	0.60	± 0.03	4
703.401	± 0.028	100	33	± 1.0	1
744.88	± 0.08	2.33	0.77	± 0.06	4
759.12	± 0.06	3.73	1.2	± 0.10	4
761.47	± 0.10	2.16	0.72	± 0.05	4

E_{γ} (KeV)[S]	ΔE_{γ}	I_{γ} (rel)	$I_{\gamma}(\%)[E]$	ΔI_{γ}	S
780.84	± 0.08	1.56	0.52	± 0.05	4
813.81	± 0.05	1.49	0.50	± 0.02	4
860.10	± 0.09	1.40	0.47	± 0.04	4
871.86	± 0.09	1.32	0.44	± 0.02	4
890.09	± 0.025	2.05	0.69	± 0.03	4
894.65	± 0.03	2.69	0.80	± 0.09	4
910.84	± 0.04	5.25	1.75	± 0.08	3
950.76	± 0.07	1.27	0.41	± 0.03	4
987.557	± 0.030	53.46	17.8	± 0.6	
1001.89	± 0.05	1.78	0.60[M]	± 0.05	
1014.22	± 0.07	3.29	1.1	± 0.1	
1043.661	± 0.040	23.87	7.9	± 0.4	2
1189.94	± 0.030	7.34	2.4	± 0.2	3
1208.57	± 0.08	1.65	0.55	± 0.05	4
1351.47	± 0.10	3.51	1.18	± 0.05	4
1550.81	± 0.23	2.54	0.81	± 0.01	4
1614.34	± 0.06	6.36	2.1	± 0.2	3
1764.274	± 0.065	93.05	31	± 2.0	1
1775.795	± 0.040	11.10	4.0	± 0.2	1
1861.691	± 0.025	17.44	5.8	± 0.3	1
1903.346	± 0.060	6.71	2.3	± 0.1	1