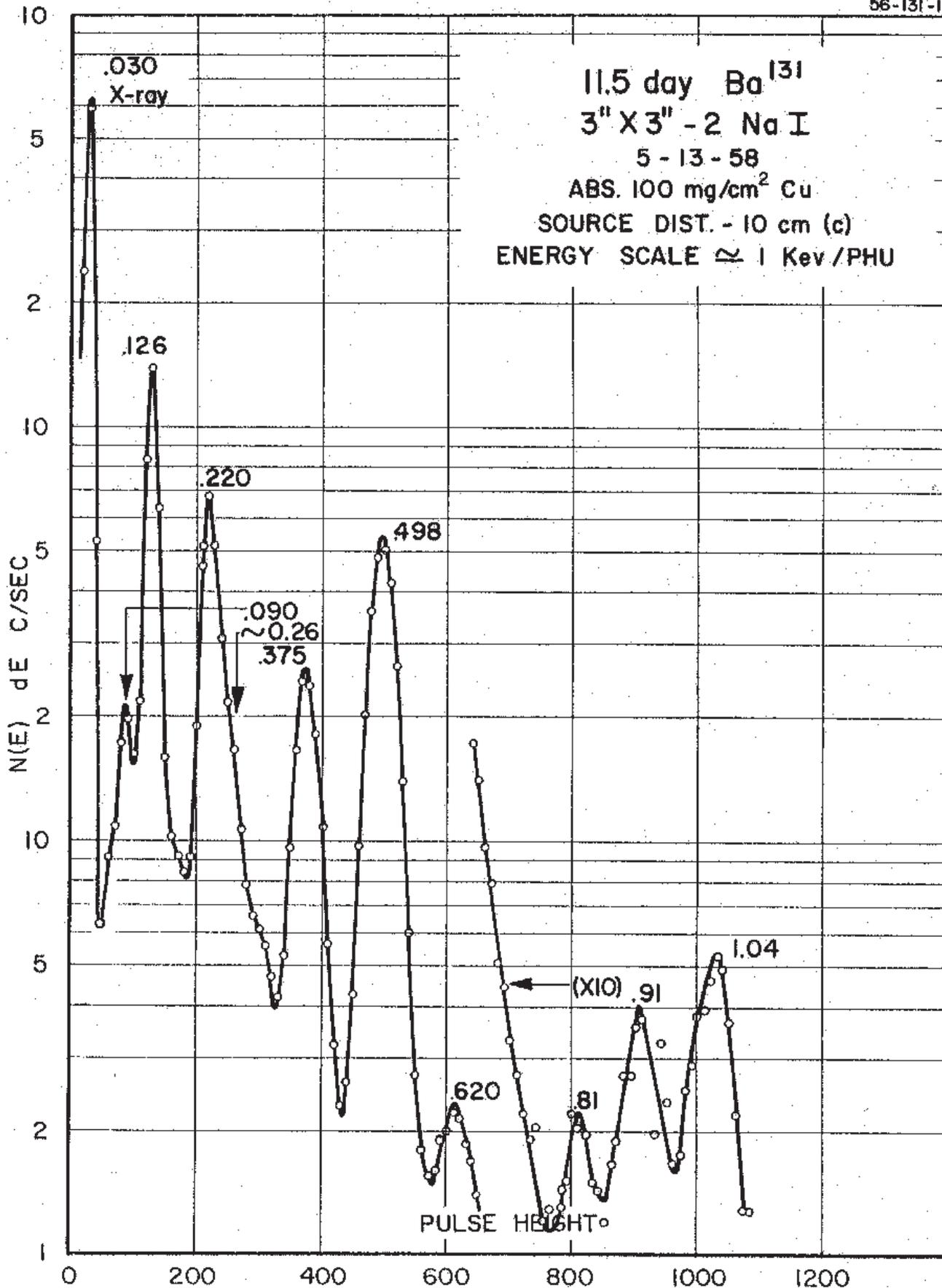
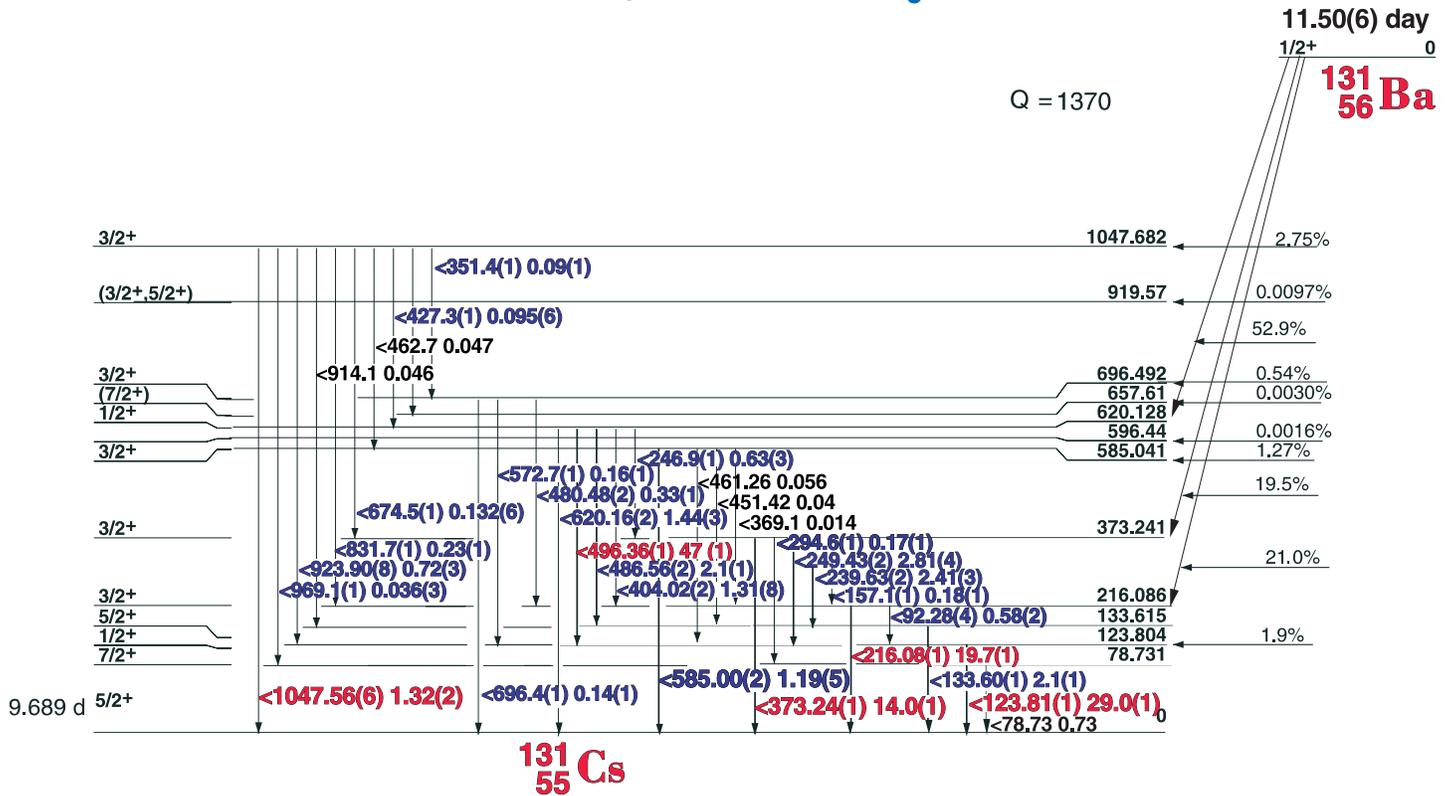


# 11.50(6) day $^{131}\text{Ba}$

56-131-1



# 11.50(6) day <sup>131</sup>Ba Decay Scheme



## GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide <sup>131</sup>Ba Half Life 1.078(2) Day  
 Detector 3" X 3" NaI-2 Method of Production: /as<sup>75</sup>(n,γ)

E <sub>γ</sub> (KeV)[S]	ΔE <sub>γ</sub>	I <sub>γ</sub> (rel)	I <sub>γ</sub> (%) [E]	ΔI <sub>γ</sub>	S	E <sub>γ</sub> (KeV)[S]	ΔE <sub>γ</sub>	I <sub>γ</sub> (rel)	I <sub>γ</sub> (%) [E]	ΔI <sub>γ</sub>	S
Cs x- rays											
92.3	± 0.1	2.0	0.58	± 0.02	4	674.51	± 0.1	0.39	0.132	± 0.006	4
<b>123.806</b>	<b>± 0.008</b>	<b>62.1</b>	<b>29.0</b>	<b>± 0.1</b>	<b>1</b>	696.4	± 0.1	0.44	0.14	± 0.01	4
133.601	± 0.012	4.86	2.1	± 0.1	3	831.7	± 0.1	0.45	0.23	± 0.01	3
157.1	± 0.1	0.47	0.18	± 0.01	4	911.7	± 0.2	0.5		± 0.2	4
<b>216.083</b>	<b>± 0.01</b>	<b>41.66</b>	<b>10.7</b>	<b>± 0.1</b>	<b>1</b>	923.9	± 0.08	1.59	0.72	± 0.03	3
239.63	± 0.025	5.76	2.41	± 0.03	3	969.1	± 0.1	0.12	0.036	± 0.003	4
246.93	± 0.1 1.	66	0.63	± 0.03	4	<b>1047.56</b>	<b>± 0.06</b>	<b>2.89</b>	<b>1.32</b>	<b>± 0.02</b>	<b>1</b>
249.430	± 0.025	6.22	2.81	± 0.04	3						
294.57	± 0.1	0.62	0.17	± 0.01	4						
351.40	± 0.1	1.0	0.09	± 0.01	4						
<b>373.244</b>	<b>± 0.010</b>	<b>31.3</b>	<b>14.0</b>	<b>± 0.1</b>	<b>1</b>						
<b>404.02</b>	<b>± 0.02</b>	<b>3.07</b>	<b>1.3</b>	<b>± 0.2</b>	<b>2</b>						
427.34	± 0.10	0.64	0.095	± 0.006	4						
462.7	± 0.1		0.047	± 0.004	5						
480.485	± 0.02	0.82	0.33	± 0.01	3						
<b>486.56</b>	<b>± 0.025</b>	<b>4.34</b>	<b>2.1</b>	<b>± 0.1</b>	<b>2</b>						
<b>496.365</b>	<b>± 0.015</b>	<b>100</b>	<b>47.0</b>	<b>± 0.6</b>	<b>1</b>						
572.77	± 0.1	0.32	0.16	± 0.01	4						
<b>585.00</b>	<b>± 0.02</b>	<b>2.75</b>	<b>1.19</b>	<b>± 0.05</b>	<b>2</b>						
609.41	± 0.05	0.68		± 0.07	4						
<b>620.157</b>	<b>± 0.025</b>	<b>4.06</b>	<b>1.44</b>	<b>± 0.03</b>	<b>1</b>						