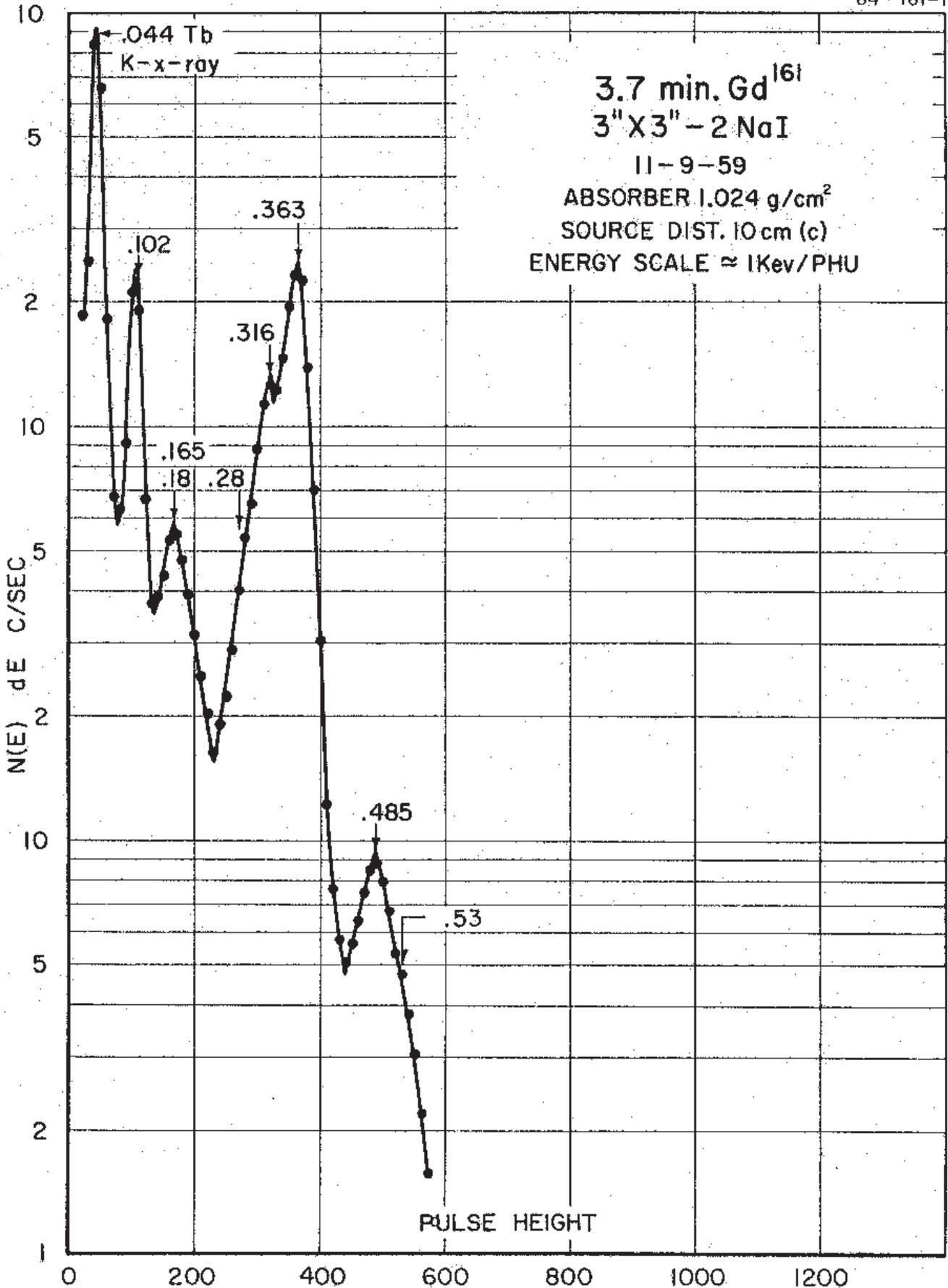
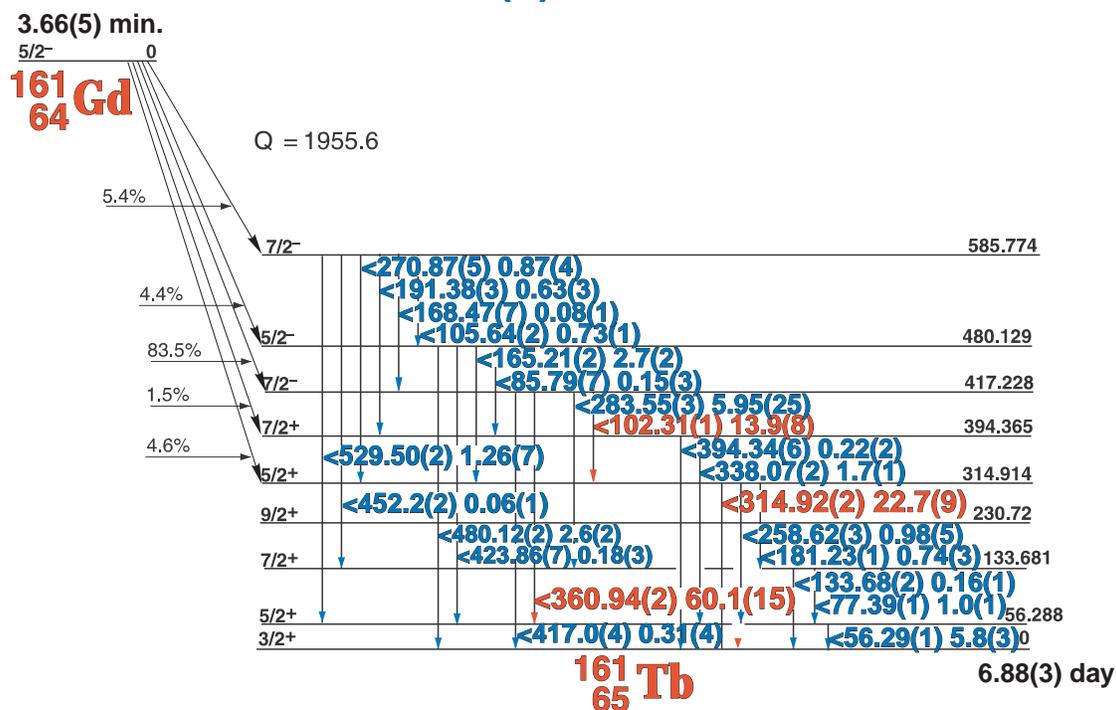


# 3.66(5) min. $^{161}\text{Gd}$

64-161-1



## 3.66(5) min. $^{161}\text{Gd}$



### GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide  $^{161}\text{Gd}$  Half Life 3.66(5) min.  
 Detector 3" x 3" -2 NaI Method of Production:  $^{160}\text{Gd}(n,\gamma)$

$E_\gamma$ (KeV)[S]	$\Delta E_\gamma$	$I_\gamma$ (rel)	$I_\gamma$ (%)[E]	$\Delta I_\gamma$	S
<b>56.29</b>	<b>± 0.01</b>		<b>5.8</b>	<b>± 0.3</b>	<b>1</b>
77.39	± 0.01		1.0	± 0.1	3
85.79	± 0.07		0.15	± 0.03	3
<b>102.31</b>	<b>± 0.01</b>		<b>13.9</b>	<b>± 0.8</b>	<b>1</b>
105.64	± 0.02		0.73	± 0.01	3
133.68	± 0.02		0.16	± 0.01	3
165.21	± 0.02		2.7	± 0.2	2
168.47	± 0.07		0.08	± 0.01	4
181.23	± 0.01		0.74	± 0.03	3
191.38	± 0.03		0.63	± 0.03	3
258.62	± 0.03		0.98	± 0.05	3
270.87	± 0.05		0.87	± 0.04	3
<b>283.55</b>	<b>± 0.03</b>		<b>5.95</b>	<b>± 0.25</b>	<b>2</b>
<b>314.92</b>	<b>± 0.02</b>		<b>22.7</b>	<b>± 0.9</b>	<b>1</b>
338.07	± 0.02		1.7	± 0.1	3
<b>360.94</b>	<b>± 0.02</b>		<b>60.1</b>	<b>± 1.5</b>	<b>1</b>
394.34	± 0.06		0.22	± 0.02	3
417.0	± 0.4		0.31	± 0.02	3
423.86	± 0.07		0.18	± 0.03	3
452.2	± 0.2		0.06	± 0.01	4
<b>480.12</b>	<b>± 0.02</b>		<b>2.6</b>	<b>± 0.2</b>	<b>2</b>
<b>529.50</b>	<b>± 0.02</b>		<b>1.26</b>	<b>± 0.07</b>	<b>2</b>