



# 17.02(2) hr. <sup>188</sup>Re

## GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide  
Detector

<sup>188</sup>Re  
3" x 3" NaI

Half Life 17.02(4) hr.  
Method of Production: <sup>187</sup>Re(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
<b>155.023</b>	<b>± 0.02</b>	<b>100</b>	<b>15.0 ± 0.5</b>	<b>1</b>	
322.93	± 0.03	0.21	0.030 ± 0.003	4	
453.34	± 0.07	0.77	0.09 ± 0.01	4	
477.98	± 0.05	7.1	1.10 ± 0.05	3	
486.12	± 0.05	0.71	0.08 ± 0.01	3	
<b>632.99</b>	<b>± 0.05</b>	<b>10.0</b>	<b>1.3 ± 0.07</b>	<b>1</b>	
672.51	± 0.05	0.83	0.12 ± 0.01	3	
824.4	± 0.1	0.26	0.03 ± 0.01	4	
<b>829.52</b>	<b>± 0.05</b>	<b>3.0</b>	<b>0.45 ± 0.02</b>	<b>1</b>	
845.0	± 0.1	0.08	0.009 ± 0.001	4	
<b>931.41</b>	<b>± 0.06</b>	<b>3.9</b>	<b>0.55 ± 0.04</b>	<b>1</b>	
1132.40	± 0.07	0.59	0.084 ± 0.006	3	
1150.6	± 0.3	0.31	0.015 ± 0.001	3	
1174.6	± 0.1	0.13	0.018 ± 0.002	4	
1308.07	± 0.08	0.46	0.064 ± 0.006	3	
1323.0	± 0.1	0.10	0.015 ± 0.001	4	
1457.5	± 0.3	0.20	0.018 ± 0.003	4	
<b>1610.28</b>	<b>± 0.05</b>	<b>0.66</b>	<b>0.096 ± 0.006</b>	<b>1</b>	
1786.0	± 0.2	0.16	0.020 ± 0.002	3	
<b>1802.0</b>	<b>± 0.2</b>	<b>0.24</b>	<b>0.040 ± 0.002</b>	<b>2</b>	
1957.0	± 0.1	0.13	0.015 ± 0.001	3	