

${}^{12}\text{C}({}^{64}\text{Zn}, {}^8\text{Be}\gamma)$  2005Le19

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan	NDS 113, 1735 (2012)	1-Mar-2012

$E({}^{64}\text{Zn})=180$  MeV. Measured C- $\gamma(\theta, H, t)$  using two NaI(Tl) detectors, two BaF<sub>2</sub> detectors and a 100  $\mu\text{m}$  Si detector;  $T_{1/2}$  by DSAM using 40% Ge detector at 0° to the beam direction. Also 2004LeZW.

 ${}^{68}\text{Ge}$  Levels

E(level) <sup>†</sup>	$J^\pi$ <sup>†</sup>	$T_{1/2}$ <sup>‡</sup>	Comments
0.0	0 <sup>+</sup>		
1015.81	2 <sup>+</sup>	2.15 ps <i>14</i>	$g=+0.55$ <i>14</i>
1777.42	2 <sup>+</sup>	1.80 ps <i>14</i>	
2267.83	4 <sup>+</sup>	0.90 ps <i>14</i>	
2428.59	3 <sup>+</sup>		
2457.15	2 <sup>+</sup>	1.3 ps <i>4</i>	
2648.67	3 <sup>-</sup>		
2831.86	4 <sup>+</sup>		

<sup>†</sup> From Adopted Levels.

<sup>‡</sup> From DSAM.

 $\gamma({}^{68}\text{Ge})$ 

$E_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$
761	1777.42	2 <sup>+</sup>	1015.81	2 <sup>+</sup>
1016	1015.81	2 <sup>+</sup>	0.0	0 <sup>+</sup>
1055	2831.86	4 <sup>+</sup>	1777.42	2 <sup>+</sup>
1252	2267.83	4 <sup>+</sup>	1015.81	2 <sup>+</sup>
1412	2428.59	3 <sup>+</sup>	1015.81	2 <sup>+</sup>
1633	2648.67	3 <sup>-</sup>	1015.81	2 <sup>+</sup>
1778	1777.42	2 <sup>+</sup>	0.0	0 <sup>+</sup>
2457	2457.15	2 <sup>+</sup>	0.0	0 <sup>+</sup>

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## Level Scheme

