

$^{208}\text{Pb}(^{64}\text{Ni},\text{X}\gamma)$ 2000Wi18

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Alan L. Nichols, Balraj Singh, Jagdish K. Tuli		NDS 113, 973 (2012)	15-Apr-2012

2000Wi18 (also 1997Be77): E=360 MeV. Measured E_γ , I_γ and $\gamma\gamma$, using the GAMMASPHERE array with 83 Compton-suppressed HPGe detectors.

 ^{62}Fe Levels

E(level) [†]	J^π	Comments
0.0	0 ⁺	
877.9 3	2 ⁺	
2177.2 4	4 ⁺	
3010.4 5	(6 ⁺)	J^π : (4 ⁻) in Adopted Levels.
3016.0 5	(6 ⁺)	J^π : (5 ⁻) in Adopted Levels.
3311.1 6	(7 ⁺)	J^π : (6 ⁻) in Adopted Levels.
3388.9 5	(5)	J^π : (6 ⁺) in Adopted Levels.
3605.4 6	(8 ⁺)	J^π : (7 ⁻) in Adopted Levels.
3629.5 6		
4253.4 6		
5321.0 7		

[†] From E_γ data, assuming $\Delta(E_\gamma)=0.3$ keV for each gamma ray.

 $\gamma(^{62}\text{Fe})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
240.6	3629.5		3388.9	(5)	838.8	3016.0	(6 ⁺)	2177.2	4 ⁺
294.3	3605.4	(8 ⁺)	3311.1	(7 ⁺)	864.5	4253.4		3388.9	(5)
295.1	3311.1	(7 ⁺)	3016.0	(6 ⁺)	877.9	877.9	2 ⁺	0.0	0 ⁺
300.7	3311.1	(7 ⁺)	3010.4	(6 ⁺)	1067.6	5321.0		4253.4	
589.4	3605.4	(8 ⁺)	3016.0	(6 ⁺)	1211.7	3388.9	(5)	2177.2	4 ⁺
833.2	3010.4	(6 ⁺)	2177.2	4 ⁺	1299.3	2177.2	4 ⁺	877.9	2 ⁺

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Level Scheme

