^{208}Pb(^{64}Ni,Xγ) 2000Wi18

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 114, 1849 (2013)	31-Dec-2012

2000Wi18: E= 360 MeV, deep inelastic multi-nucleon transfer reaction. Measured Eγ, Iγ and $\gamma\gamma$, using the Gammasphere array of 83 Compton-suppressed Ge detectors. No DCO measurements. Other (same authors): 1997Be77.

^{60}Fe Levels

E(level)†	J$^\pi$	E(level)†	J$^\pi$	E(level)†	J$^\pi$	E(level)†
0‡	0$^+$	2299.4 *4*	2$^+$	3520.5‡ *5*	(6$^+$)	4298.6 *6*
824.1‡ *3*	2$^+$	2792.3 *4*	4$^+$	3582.5 *5*	(6$^+$)	4359.3 *6*
2115.1‡ *4*	4$^+$	3516.6 *5*	(5$^+$)	3959.5 *5*	(7$^+$)	5550.9 *6*

† From least-squares fit to γ-ray energies, assuming Δ(Eγ)= 0.3 keV for each γ ray.
‡ Band(A): Yrast band.

γ(^{60}Fe)

E$_\gamma$	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$	E$_\gamma$	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$
339.1	4298.6		3959.5	(7$^+$)	1291.0	2115.1	4$^+$	824.1	2$^+$
377.0	3959.5	(7$^+$)	3582.5	(6$^+$)	1401.5	3516.6	(5$^+$)	2115.1	4$^+$
439.0	3959.5	(7$^+$)	3520.5	(6$^+$)	1405.4	3520.5	(6$^+$)	2115.1	4$^+$
442.9	3959.5	(7$^+$)	3516.6	(5$^+$)	1467.4	3582.5	(6$^+$)	2115.1	4$^+$
492.9	2792.3	4$^+$	2299.4	2$^+$	1475.3	2299.4	2$^+$	824.1	2$^+$
677.2	2792.3	4$^+$	2115.1	4$^+$	1968.2	2792.3	4$^+$	824.1	2$^+$
824.1	824.1	2$^+$	0	0$^+$	1968.3	5550.9		3582.5	(6$^+$)
842.7	4359.3		3516.6	(5$^+$)					

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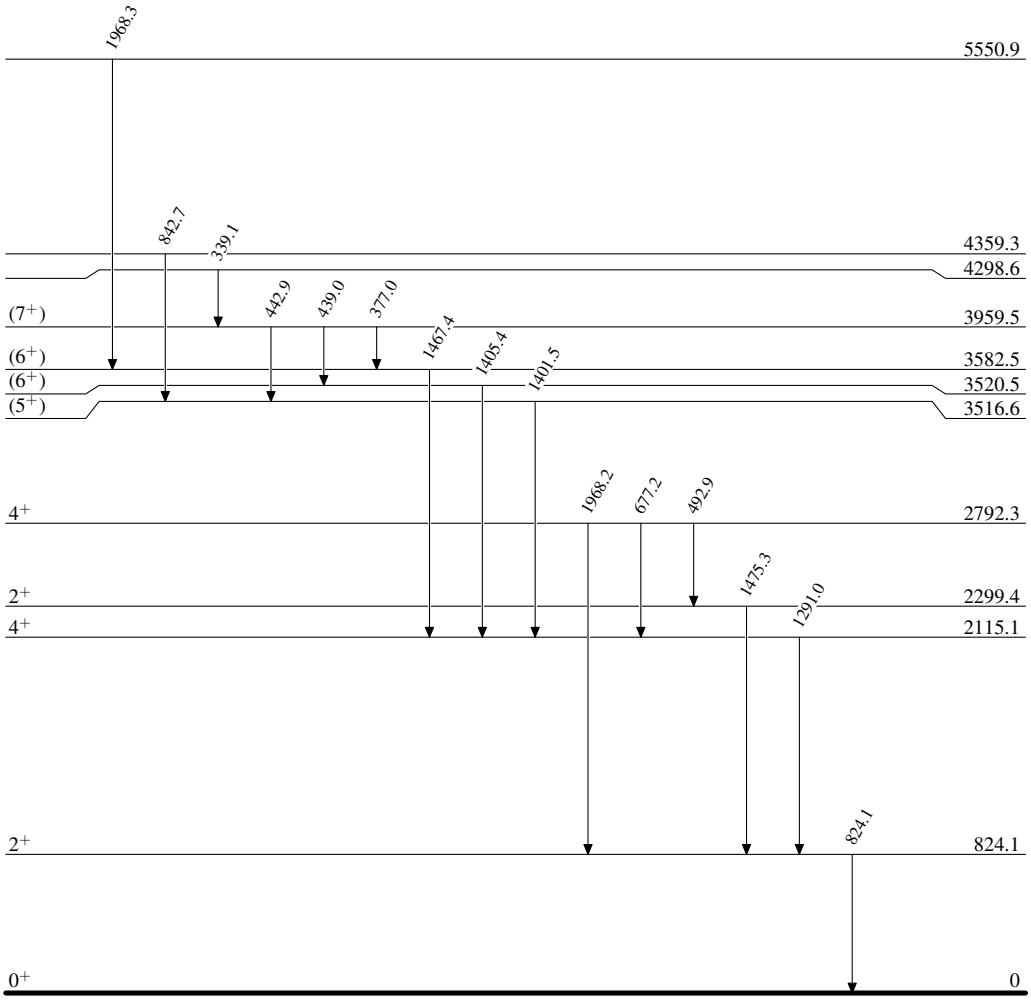
Level Scheme



$^{60}_{26}Fe_{34}$

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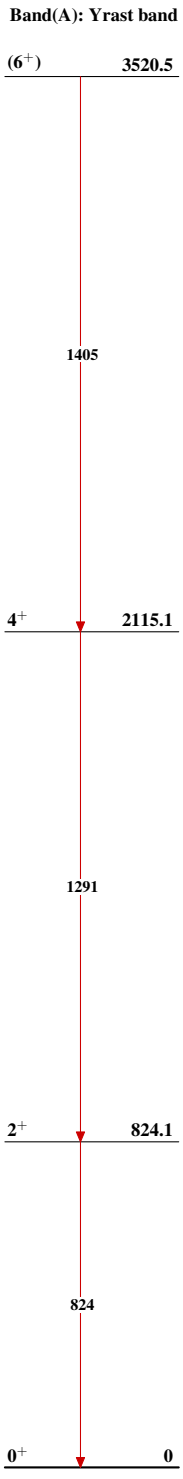

$^{60}_{26}Fe_{34}$