

$^{182}\text{W}(\gamma,\gamma)$:Mossbauer [1968Pe06](#),[1965Ch14](#),[1962Su14](#)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
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Since 1960 many Mossbauer measurements have been reported for the first 2^+ level in ^{182}W . These deduce various properties such as level width, lifetime, g factor, quadrupole moments, hyperfine structure, isomer shift, nuclear Zeeman effect, etc.

References: [1993Wa05](#), [1975Bo38](#), [1973Ru01](#), [1973We20](#), [1973Zi02](#), [1973ZiZX](#), [1972He01](#), [1971Ob02](#), [1970Me09](#), [1969Ch23](#), [1969Fr19](#), [1968Pe06](#), [1965Sh04](#), [1965Ch14](#), [1963Da15](#), [1962Su14](#), [1961Ka25](#), [1959Le36](#).

 ^{182}W Levels

<u>E(level)</u>	<u>Jπ</u>	<u>Comments</u>
0	0^+	
100	2^+	g=+0.2605 8 (1968Pe06), +0.23 3 (1965Ch14). $\Gamma(\text{in eV})=0.34\times 10^{-6}$ (1965Sh04), 0.35×10^{-6} 9 (1962Su14), 0.34×10^{-6} 3 (1961Ka25), 0.73×10^{-6} (1959Le36).

 $\gamma(^{182}\text{W})$

<u>E$_{\gamma}$</u>	<u>E$_i$(level)</u>	<u>J$^{\pi}_i$</u>	<u>E$_f$</u>	<u>J$^{\pi}_f$</u>
100	100	2^+	0	0^+

 $^{182}\text{W}(\gamma,\gamma)$:Mossbauer [1968Pe06](#),[1965Ch14](#),[1962Su14](#)Level Scheme