186 W(n,4p23n γ) 2000Ya22

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 186 W(n,4p23n): spallation-neutron source, having neutron energies of several hundred MeV, at the WNR facility at LANSCE. A 12-g target of 186 W was used. γ radiation studied using four HPGe detectors in a close geometry. A wide variety of nuclides, including 160 Yb, was produced. Observe only members of the g.s. band up to the 4⁺ level, with the 6⁺ level being shown as questionable.

¹⁶⁰Yb Levels

 $\begin{array}{ccc} \underline{\text{E(level)}^{\dagger}} & \underline{\text{J}^{\pi\ddagger}} \\ \hline 0.0^{\#} & 0^{+} \\ 244^{\#} & 2^{+} \\ 640^{\#} & 4^{+} \\ 1150?^{\#} & 6^{+} \end{array}$

 † From the listed $E\gamma$ values.

[‡] From adopted values.

Band(A): ground-state band.

 $\gamma(^{160}\mathrm{Yb})$

2000Ya22 report E γ values only on a level-scheme drawing and list no I γ values.

E_{γ}	$E_i(level)$	J_i^{π}	\mathbf{E}_f	J_f^{π}
244	244	2+	0.0	0+
396	640	4+	244	2+
510 [†]	1150?	6+	640	4+

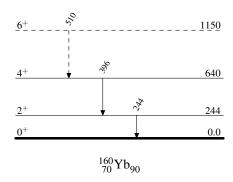
 $^{^{\}dagger}$ Placement of transition in the level scheme is uncertain.

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Legend

Level Scheme

---- γ Decay (Uncertain)



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Band(A): Ground-state band

