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Backbending, Seniority and Pauli Blocking of Pairing Correlations at High Rotational Frequencies in Rapidly Rotating Nuclei: A Systematic Analysis of Er, Yb, Hf and W Isotopes and Nuclear Structure Studies of $^{179}, ^{180}\text{W}$, $^{160}, ^{161}\text{Gd}$ and ^{155}Sm

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