FLORIDA STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES

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 W, 160,161 Gd AND 155 Sm.

By

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