

Abstract Submitted
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Studies of Triaxial Rotor and Band Mixing in $^{186,188,190,192}\text{Os}^1$

J.M. ALLMOND, Georgia Institute of Technology, J.L. WOOD, A-M. OROS-PEUSQUENS, R. ZABALLA, W.D. KULP — The $E2$ matrix elements of the Osmium isotopes are studied in the framework of collective rotations [1]. The rotational model with $\Delta K = 2$ mixing fits the data fairly well; but deviations at high spin suggest that the spin-dependence of $\Delta K = 2$ mixing in the rotor model is too strong. This supports a finding in ^{166}Er [2].

[1] J.L. Wood, A-M. Oros-Peusquens, R. Zaballa, J.M. Allmond, and W.D. Kulp, Phys. Rev. C **70**, 024308 (2004).

[2] W.D. Kulp, J.M. Allmond, P. Hatcher, and J.L. Wood, Phys. Rev. C **73**, 014308 (2006).

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J.M. Allmond
Georgia Institute of Technology

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