

TRIAXIAL SUPERDEFORMED BANDS IN ^{86}Zr ¹

D. G. Sarantites², D. R. LaFosse², M. Devlin², F. Lerma², V. Q. Wood³, J. X. Saladin³,
D. F. Winchell³, C. Baktash, C.-H. Yu, P. Fallon⁴, I.-Y. Lee⁴, A. O. Macchiavelli⁴,
R. W. MacLeod⁴, A. V. Afanasjev⁵, and I. Ragnarsson⁵

Four new superdeformed bands have been found in the nucleus ^{86}Zr . The good agreement between experiment and configuration-dependent shell correction calculations suggests that three of the bands have triaxial superdeformed shapes. Such unique features in mass $A \sim 80$ superdeformed bands have been predicted, but not observed experimentally until now. A fourth band in ^{86}Zr is interesting due to a fairly constant and unusually high dynamic moment of inertia. Possible interpretations of this structure are discussed.

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²Washington University, St Louis, MO 63130.

³University of Pittsburgh, Pittsburgh, PA 15260.

⁴Lawrence Berkeley National Laboratory, Berkeley, CA 94720.

⁵Lund Institute of Technology, S-22100 Lund, Sweden.