

APS, April, 2002. **Study of Collectivity in n-rich A=80 Nuclei Using Radioactive Ion Beams**

E. PADILLA, A. GALINDO-URIBARRI, C. BAKTASH, B. FUENTES, C. GROSS,

P. MUELLER, D. C. RADFORD, D. W. STRACENER, C. -H. YU, *ORNL*,

R. BIJKER, O. CASTANOS, B. FUENTES, *UNAM*, J. C. BATCHELDER, *ORISE*,

D. J. HARTLEY, *U. Tennessee*.

We report on recent experiments performed at Oak Ridge National Laboratory (ORNL) aimed to study nuclei in the neutron-rich A~80 region. First time use of (78, 80)Ge Radioactive Ion Beams (RIBs) complemented with stable beams information allowed a systematic study of B(E2)-values that characterize the n-rich even-even Ge and Se isotopes. A comparison of the experimental results with IBA2 calculations will be presented.

*Supported by US-DOE under the contract DE-AC05-00AOR22725.