

Abstract Submitted
for the MAR12 Meeting of
The American Physical Society

Elastic moduli of nearly pure polycrystalline plutonium ALBERT MIGLIORI, ARKADY SHEKHTER, JON B. BETTS, VICTOR FANELLI, NHMFL, Pulsed Field facility, LANL, Los Alamos, NM — We measure elastic moduli of microalloyed poly-crystalline cylindrical specimen of Pu-239. We observe $\alpha \rightarrow \beta \rightarrow \gamma \rightarrow \delta$ phase transitions and find that the elastic moduli of nearly pure plutonium are the same as those of Ga-stabilized plutonium.

Albert Migliori
NHMFL, Pulsed Field facility, LANL, Los Alamos, NM

Date submitted: 12 Dec 2011

Electronic form version 1.4