

Abstract Submitted  
for the SHOCK13 Meeting of  
The American Physical Society

**Experimentally obtained hughoniot measurements for granular solids** DARCIE DENNIS-KOLLER, R. JASON SCHARFF, D. ANTHONY FREDENBURG, Los Alamos National Laboratory — Porous/granular materials are a class of materials where historical Hugoniot data is fraught with difficulty leading to unreliable data or extremely large associated errors. This presentation will present new experimental methods for obtaining reliable experimental Hugoniot data as well as attempt to describe the physical mechanisms responsible for anomalous behavior observed in distended systems.

Darcie Dennis-Koller  
Los Alamos National Laboratory

Date submitted: 21 Feb 2013

Electronic form version 1.4