

Abstract Submitted  
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**Warm Vapor Atom Interferometer** GRANT BIEDERMANN, DAVID WHEELER, YUAN-YU JAU, HAYDEN MCGUINNESS, Sandia National Labs — We present a light pulse atom interferometer using room temperature rubidium vapor. Doppler sensitive stimulated Raman transitions forming the atom optical elements inherently select a cold velocity group for the interferometer. The interferometer is configured to be sensitive to accelerations. Sandia National Laboratories is a multi-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000.

Grant Biedermann  
Sandia National Labs

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