

Abstract Submitted
for the TSF06 Meeting of
The American Physical Society

Measurement of Muon Anomalous Magnetic Moment C.S. COWDEN, N. AKCHURIN, Texas Tech University — The anomalous magnetic moment of cosmic muons are measured. The measurement is made by observing the decay positrons when the cosmic muon is stopped in an absorber held within a magnetic field (50 to 250 Gauss). Both the initial muon and the positron are detected by scintillation counters around the absorber and magnet assembly. The preliminary value of $g=1.904$ is obtained from a week's worth of data.

C.S. Cowden
Texas Tech University

Date submitted: 21 Sep 2006

Electronic form version 1.4