

Abstract Submitted  
for the NEF12 Meeting of  
The American Physical Society

**Scintillator fabrication for the Antihydrogen Experiment: Gravity, Interferometry, Spectroscopy (AEGIS)** ALYSSA BARLIS, Williams College, JOSEPH SAMANIEGO-EVANS, Boston University, ANTIHYDROGEN EXPERIMENT: GRAVITY, INTERFEROMETRY, SPECTROSCOPY (AEGIS) COLLABORATION — The Antihydrogen Experiment: Gravity, Interferometry, Spectroscopy (AEGIS), an experiment at CERN's Antiproton Decelerator (AD) complex, aims to measure the effect of the earth's gravitational field on antihydrogen atoms. A key diagnostic tool for the experiment is the ability to detect antihydrogen and antiproton annihilations as they occur. The annihilations produce pions and photons, which AEGIS detects using a combination of scintillators and Photomultiplier Tubes (PMTs). We present the fabrication process of the scintillation detectors for the AEGIS experiment.

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Date submitted: 11 Oct 2012

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