

Abstract Submitted  
for the DAMOP08 Meeting of  
The American Physical Society

**Recent Results from the PbO Electron EDM Experiment** PAUL HAMILTON, SARAH BICKMAN, YONG JIANG, HUNTER SMITH, AMAR VUTHA, DAVID DEMILLE, Yale University — We are currently taking the first data in our search for a permanent electric dipole moment (EDM) of the electron using a lead oxide (PbO) vapor cell. The existence of an EDM would imply physics beyond the standard model. We will present the current results and discuss limits on our statistical sensitivity as well as prospects for near and far term improvements.

Paul Hamilton  
Yale University

Date submitted: 01 Feb 2008

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