

Abstract Submitted  
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**Sensitive detection of lead monofluoride** CHRIS MCRAVEN, Homer L Dodge Department of Physics and Astronomy, The University of Oklahoma, SIVAKUMAR POOPALSINGAM, Homer L Dodge Department of Physics and Astronomy, The University of Oklahoma, NEIL SHAFER-RAY, Homer L Dodge Department of Physics and Astronomy, The University of Oklahoma — The ground-state of lead monofluoride maybe uniquely sensitive to an electron electric dipole moment. Here we report on a radical-beam source of PbF and sensitive resonance-enhanced-multiphoton ionization detection of the molecule.

Neil Shafer-Ray  
Homer L Dodge Department of Physics and Astronomy, The University of Oklahoma

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