

Atoms:

Blayne Heckel, Hg-199

Information concerning your project:

- Search for an atomic-EDM using the 199Hg system.
- name and email address of contact persons / spokespersons: Blayne Heckel, heckel@phys.washington.edu
- collaborating partners: Norval Fortson, Eric Lindahl, graduate students Brent Graner and Jennie Chen, all Univ. of Washington
- website: <http://www.phys.washington.edu/users/fortson/> (needs to be updated)
- link to a recent talk: will be on updated website
- specific features (some keywords): Schiff moment, long spin coherence times, magnetic field stability, leakage currents, multiple vapor cells
- major challenges (some keywords): magnetic field noise, understanding and control of leakage currents, uv laser stability
- schedule, aimed at sensitivity and timeline for results: new data set to begin in 2012, 3-5 fold improvement to $?? \times 10^{-30}$ e-cm in 2013/2104.

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