

## Molecules:

Aaron Leanhardt, WC:

Information concerning your project:

- Search for ..-EDM using ... system.

electron EDM using tungsten carbide molecules (WC)

- name and email address of contact persons / spokespersons:

Aaron E. Leanhardt, [aehardt@umich.edu](mailto:aehardt@umich.edu)

- collaborating partners:

Theory support from J.L. Bohn (JILA) and A.V. Titov (Petersburg Nuclear Physics Institute)

- website:

<http://www.umich.edu/~aehardt/>

- link to a recent talk (instead, here's a recent paper reference): J. Lee, E.R. Meyer, R. Paudel, J.L. Bohn, and A.E. Leanhardt, *An Electron Electric Dipole Moment Search in the  $X^3\Delta_1$  Ground State of Tungsten Carbide Molecules*, J. Mod. Opt. **56**, 2005 (2009).

- specific features (some keywords):

$^3\Delta_1$  (3Delta1) molecular ground state

- major challenges (some keywords):

counting statistics

- schedule, aimed at sensitivity and timeline for results:

$10^{-29}$  e\*cm in a few years...

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