

Solid:

Chen-Yu Liu, GGG:

Information concerning your project:

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

electron EDM using solid Gadolinium Gallium Garnet

- name and email address of contact persons / spokespersons:

Chen-Yu Liu, CL21@indiana.edu

- collaborating partners:

- website:

- link to a recent talk:

<http://mypage.iu.edu/~cl21/Talks/argonne2010.pptx>

- specific features (some keywords):

Paramagnetic sample at 4K and lower temperatures.

- major challenges (some keywords):

1. Various demagnetization effects that reduces the measurable magnetic signal.
2. Linear drift of the applied field that leads to current and magnetic fields.
3. Ferromagnetic impurities that are hard to quantify.

- schedule, aimed at sensitivity and timeline for results:

1e-27 e-cm at sub mili-Kelvin in 2015.
