List Of 2014 Reports

ID#	Title, First Author, and Category	Status
295	**Title:** Effects of Strain and Confinement in Optically Pumped Nuclear Magnetic Resonance in GaAs: Interpretation Guided by Spin-Dependent Band Structure Calculations **First Author:** Wood, RM, University of Florida, Chemistry, wood@chem.ufl.edu **PI:** Bowers, CR, University of Florida, Chemistry, bowers@chem.ufl.edu **Category:** Condensed Matter Technique Development **Facility:** DC Field Facility **UCGP:** Yes **VSP:** No **Published in** Phys. Rev. B 90, 155317 (2014). **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Editing
420	**Title:** X-ray Diffractometer for the Florida Split Coil 25 T Magnet **First Author:** Wang, S., NHMFL, CMS, swang@magnet.fsu.edu **PI:** Siegrist, T., NHMFL, ChE-BME, siegrist@eng.fsu.edu **Category:** Condensed Matter Technique Development **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Editing
434	**Title:** Field-Rotatable Calorimeter for NHMFL Top-Loading Portable Dilution Refrigerator **First Author:** Fortune, N. A., Smith College, Physics, nfortune@smith.edu **PI:** Fortune, N. A., Smith College, Physics, nfortune@smith.edu **Category:** Condensed Matter Technique Development **Facility:** DC Field Facility **UCGP:** No **VSP:** Yes **Published in** J. Phys.: Conf. Series 568/3/032008 **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Editing
461	**Title:** Pulsed Field Calibration of Resistive Thermometry for Measurements of the Thermal Hall Effect and Thermal Conductivity **First Author:** Hirschberger, M., Princeton University, Physics, mhirschb@princeton.edu **PI:** Ong, N.P., Princeton University, Physics, npo@princeton.edu **Category:** Condensed Matter Technique Development **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
472	**Title:** Dilation Experiments in a Single Turn Coil Magnet to 150T **First Author:** Rodriguez, G, CINT-LANL, rodrigeo@lanl.gov **PI:** Rodriguez, G, CINT-LANL, rodrigeo@lanl.gov **Category:** Condensed Matter Technique Development **Facility:** Pulsed Field Facility at LANL **UCGP:** Yes **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
60	**Title:** Fluorescence Line Narrowing (FLN) Experiments Revisited in the Florida Helix **First Author:** Rawat, N., University of Vermont, Materials Science, nrawat@uvm.edu **PI:** Furis, M., University of Vermont, Physics & Materials Science, madalina.furis@uvm.edu **Category:** Condensed Matter Technique Development **Facility:** DC Field Facility **UCGP:** No **VSP:** Yes **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation: No** **Director's Comments:** None	Editing
89	**Title:** Cross-Correlation Spin Noise Spectroscopy of Heterogeneous Interacting Spin Systems **First Author:** Roy, D, LANL, crooker@lanl.gov **PI:** Crooker, SA, NHMFL-LANL, crooker@lanl.gov **Category:** Condensed Matter Technique Development **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Submitted to** Nature Scientific Reports arXiv :1408.5399 **Sign. Achievement:** No **Director's Recommendation: No**	Editing

	Director's Comments: None	
107	**Title:** Magnetic Circular Dichroism Spectroscopy of InMnAs and InMnSb Ferromagnetic Semiconductors **First Author:** Magill, B. A., Virginia Tech, magillb@vt.edu **PI:** Khodaparast, G. A., Virginia Tech, khoda@vt.edu **Category:** Condensed Matter Technique Development **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
154	**Title:** Pulsed Magnetic Field Calibration for a User Program Specific Heat Platform Thermometer **First Author:** Riggs, SC, Florida State University, Florida State University, scr@magnet.fsu.edu **PI:** Riggs, SC, Florida State University, Florida State University, scr@magnet.fsu.edu **Category:** Condensed Matter Technique Development **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
176	**Title:** Huge Magnetocrystalline Anisotropy in UMn2Ge2 **First Author:** Parker, D., Oak Ridge National Laboratory, parkerds@ornl.gov **PI:** Parker, D., Oak Ridge National Laboratory, parkerds@ornl.gov **Category:** Condensed Matter Technique Development **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
193	**Title:** Development of Optical Interferometric Dilatometer **First Author:** Suslov, A. V., NHMFL, suslov@magnet.fsu.edu **PI:** Suslov, A. V., NHMFL, suslov@magnet.fsu.edu **Category:** Condensed Matter Technique Development **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
233	**Title:** Development of a low temperature dilatometer for the user community at the NHMFL **First Author:** Schmiedeshoff, G.M., Occidental College, Physics, gms@oxy.edu **PI:** Schmiedeshoff, G.M., Occidental College, Physics, gms@oxy.edu **Category:** Condensed Matter Technique Development **Facility:** DC Field Facility **UCGP:** Yes **VSP:** Yes **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
238	**Title:** Pulsed Field Calibration of Thermometers for Heat Capacity Measurements **First Author:** Kemper, J., NHMFL/Florida State University, Physics, kemper@magnet.fsu.edu **PI:** Kemper, J., NHMFL/Florida State University, Physics, kemper@magnet.fsu.edu **Category:** Condensed Matter Technique Development **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Submitted to** Nature Physics **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
249	**Title:** Thin Film Growth at the NHMFL **First Author:** Beekman, C, FSU, Physics, beekman@magnet.fsu.edu **PI:** Beekman, C, FSU, Physics, beekman@magnet.fsu.edu **Category:** Condensed Matter Technique Development **Facility:** CMT/E **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
	Title: Terahertz Time-Domain Spectroscopy in High Magnetic Fields **First Author:** Curtis, JA, The University of Alabama at Birmingham, Physics, jcurtis4@uab.edu **PI:** Hilton, DJ, The University of Alabama at Birmingham, Physics, dhilton@uab.edu **Category:** Condensed Matter Technique Development	

253	**Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** Optics Letters vol 39, issue 19, page 5772-5775 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
264	**Title:** Vibrating Coil Magnetometer for REBCO Coated Conductor Characterization **First Author:** Jaroszynski, J, NHMFL, CMS, jaroszy@magnet.fsu.edu **PI:** Jaroszynski, J, NHMFL, CMS, jaroszy@magnet.fsu.edu **Category:** Condensed Matter Technique Development **Facility:** DC Field Facility **UCGP: Yes** **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
280	**Title:** Strong-disorder Renormalization Group Study of the Anderson Localization Transition **First Author:** Javan Mard, H., NHMFL, hossein@magnet.fsu.edu **PI:** Dobrosavljevic, V.D, NHMFL, vlad@magnet.fsu.edu **Category:** Condensed Matter Technique Development **Facility:** CMT/E **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
286	**Title:** Focused Ion Beam Lithography for Torque Magnetometry Measurements **First Author:** Modic, KA, NHMFL, LANL, kmodic@lanl.gov **PI:** McDonald, RD, NHMFL, LANL, rmcd@lanl.gov **Category:** Condensed Matter Technique Development **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
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