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| **List Of 2017 Reports**   |  |  |  | | --- | --- | --- | | **ID#** | **Title, First Author, and Category** | **Status** | | [**22**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=22) | **Title:** Ba8CoNb6O24: A spin-1/2 triangular lattice Heisenberg antiferromagnet in the two-dimensional limit  **First Author:** Zhou, H.D., University of Tennessee, Physics, hzhou10@utk.edu  **PI:** Zhou, H.D., University of Tennessee, Physics, hzhou10@utk.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 1 T  **UCGP:** No    **VSP:** **Yes**   **Published in** Phys. Rev. B 95/060412  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**28**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=28) | **Title:** Magnetoelectric coupling in Ni3TeO6  **First Author:** Musfeldt, J. L., University of Tennessee, Chemistry, musfeldt@utk.edu  **PI:** Musfeldt, J. L., University of Tennessee, Chemistry, musfeldt@utk.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 65 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** **Yes**  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**33**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=33) | **Title:** High magnetic field study of the sawtooth chain atacamite  **First Author:** Sullow, S., TU Braunschweig, Physics, s.suellow@tu-bs.de  **PI:** Sullow, S., TU Braunschweig, Physics, s.suellow@tu-bs.de  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 65 T  **UCGP:** No    **VSP:** **Yes**   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**38**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=38) | **Title:** Field-induced Magnetic Phase Transitions and Metastable States in Tb3Ni  **First Author:** Podlesnyak, A., Oak Ridge National Laboratory, podlesnyakaa@ornl.gov  **PI:** Podlesnyak, A., Oak Ridge National Laboratory, podlesnyakaa@ornl.gov  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 18 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**57**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=57) | **Title:** Unusual Magnetic Response of the S = 1 Antiferromagnetic Linear-Chain Material [Ni(HF2)(3-Clpy)4]BF4 (known as NBCT)   **First Author:** Xia, J.S., NHMFL, High B/T and UF, Physics, UF Physics, jsxia@phys.ufl.edu  **PI:** Meisel, M.W., NHMFL, High B/T and UF, Physics, UF Physics, meisel@phys.ufl.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** High B/T Facility at UF  **Highest Measured Field:** 14.25 T  **UCGP:** No    **VSP:** No   **Accepted by** J. Phys.: Conf. Series   **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**62**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=62) | **Title:** Light-Induced Magnetization Changes in Aggregated and Isolated Cobalt Ferrite Nanoparticles  **First Author:** Brinzari, T.V., UF, Physics, meisel@phys.ufl.edu  **PI:** Meisel, M.W., UF Physics and NHMFL, Physics, meisel@phys.ufl.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** UF Physics  **UCGP:** No    **VSP:** No   **Submitted to** Nanoscale   **Sign. Achievement:** No  **Director's Recommendation: Yes**  **Director's Comments:** None | Approved | | [**87**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=87) | **Title:** Probing Molecular Magnetism by Infrared & Raman Spectroscopies in Magnetic Fields  **First Author:** Xue, Zilin, University of Tennessee, Chemistry, xue@ion.chem.utk.edu  **PI:** Xue, Zilin, University of Tennessee, Chemistry, xue@ion.chem.utk.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 17 T  **UCGP:** No    **VSP:** No   **Submitted to** Nature Comm.   **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**96**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=96) | **Title:** Spin Dynamics in Materials with Distorted Diamond Structure  **First Author:** Zvyagin, S.A., Dresden High Magnetic Field Laboratory, Helmholtz-Zentrum Dresden-Rossendorf , s.zvyagin@hzdr.de  **PI:** Zvyagin, S.A., Dresden High Magnetic Field Laboratory, Helmholtz-Zentrum Dresden-Rossendorf , s.zvyagin@hzdr.de  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 35 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**121**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=121) | **Title:** Terahertz spectroscopy of metal-insulator transition in Ti-doped Ca ruthenate  **First Author:** Yu, S., Tulane University, syu9@tulane.edu  **PI:** Talbayev, D., Tulane University, dtalbaye@tulane.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 25 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**129**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=129) | **Title:** Spin-Aharonov-Bohm Effect: Non-adiabatic Geometric Phase  **First Author:** Lu, N, University of South Carolina, Physics and Astronomy, lun@email.sc.edu  **PI:** Crawford, T.M., University of South Carolina, Physics and Astronomy, crawftm@mailbox.sc.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** High B/T Facility at UF  **Highest Measured Field:** 1 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation:**   **Director's Comments:** None | Reviewing | | [**140**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=140) | **Title:** High pressure susceptibility and magnetostriction measurements on SCBO  **First Author:** Grockowiak, A, NHMFL, grockowiak@magnet.fsu.edu  **PI:** Grockowiak, A, NHMFL, grockowiak@magnet.fsu.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 45 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** **Yes**  **Director's Recommendation: Yes**  **Director's Comments:** This is a significant advance in measurement technique. | Approved | | [**142**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=142) | **Title:** Exploration of high field induced exotic phases in low dimensional and frustrated magnets   **First Author:** Zherlitsyn, S., HZDR-HLD, HLD-EMFL, s.zherlitsyn@hzdr.de  **PI:** Zherlitsyn, S., HZDR-HLD, HLD-EMFL, s.zherlitsyn@hzdr.de  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 45 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** **Yes**  **Director's Recommendation: Yes**  **Director's Comments:** None | Approved | | [**150**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=150) | **Title:** Magnetoelectric effect in layer compounds with polar structure  **First Author:** Zhou, H.D., University of Tennessee, Physics, hzhou10@utk.edu  **PI:** Zhou, H.D., University of Tennessee, Physics, hzhou10@utk.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 60 T  **UCGP:** No    **VSP:** **Yes**   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**159**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=159) | **Title:** Continued Quantum Oscillation study of PrNi2Cd20 and PrPd2Cd20 compounds  **First Author:** Breindel, AJB, UC San Diego, Physics, abreinde@ucsd.edu  **PI:** Maple, MBM, UC San Diego, Physics, mbmaple@ucsd.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 60 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**160**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=160) | **Title:** Magnetoelastic Correlations in the URu2-xFexSi2 System: Magnetostriction Measurements in Pulsed Magnetic Fields.  **First Author:** Breindel, AJB, UC San Diego, Physics, abreinde@ucsd.edu  **PI:** Maple, MBM, UC San Diego, Physics, mbmaple@ucsd.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 55 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**162**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=162) | **Title:** Spintronics with Antiferromagnetic Insulators  **First Author:** Vaidya, P., University of Central Florida, Physics, priyankavaidya@knights.ucf.edu  **PI:** Del Barco, E., University of Central Florida, Physics, delbarco@ucf.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** EMR Facility  **Highest Measured Field:** 12 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**163**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=163) | **Title:** Directional Dichroism of THZ Radiation in the Canted AFM Phase of BiFeO3  **First Author:** Room, T., National Institute of Chemical Physics and Biophysics, toomas.room@kbfi.ee  **PI:** Room, T., National Institute of Chemical Physics and Biophysics, toomas.room@kbfi.ee  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 35 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**185**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=185) | **Title:** Out of Equilibrium Effects in a Quantum Magnet  **First Author:** Reeder, T.R., Colorado State University, Physics, timothy.r.reeder@gmail.com  **PI:** Ross, K.A., Colorado State University, Physics, kate.ross@colostate.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 16 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**187**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=187) | **Title:** DFT Calculations of Temperature Dependent NQR Frequencies in β-HMX  **First Author:** Majewski, A., University of Florida, Physics, sullivan@phys.ufl.edu  **PI:** Cheng, H.P., University of Florida, Physics, sullivan@phys.ufl.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** High B/T Facility at UF  **Highest Measured Field:** 12 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**188**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=188) | **Title:** Magnetic Anisotropy of RuCl3 from Gyrokinetic Magnetometry  **First Author:** Modic, K.A., Max-Planck-Institute for Chemical Physics of Solids, Noethnitzer Strasse 40, D-01187, Dresden, Germany, modic@cpfs.mpg.de  **PI:** Shehter, A., National High Magnetic Field Laboratory, Florida State University, Tallahassee, FL 32310, USA, arkady.shehter@gmail.com  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 36 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** **Yes**  **Director's Recommendation: Yes**  **Director's Comments:** None | Approved | | [**190**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=190) | **Title:** Study of Spin-Lattice Coupling in SrCu2(BO3)2 with FBG Dilatometry in Continuous Magnetic Fields to 45T   **First Author:** Jaime, M, Los Alamos National Laboratory, Los Alamos National Laboratory, mjaime@lanl.gov  **PI:** Jaime, M, Los Alamos National Laboratory, Los Alamos National Laboratory, mjaime@lanl.gov  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 45 T  **UCGP:** **Yes**    **VSP:** No   **Published in** Sensors 17/11/2572 (2017)  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**194**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=194) | **Title:** Study of Spin-Lattice Coupling in SrCu2(BO3)2 with Raman Spectroscopy in Continuous Magnetic Fields to 45T   **First Author:** Jaime, M, Los Alamos National Laboratory, Los Alamos National Laboratory, mjaime@lanl.gov  **PI:** Saul, S, CINaM/CNRS, Aix-Marseille University, CINaM/CNRS, Aix-Marseille University, saul@cinam.univ-mrs.fr  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 45 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**195**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=195) | **Title:** High Field Phases Search in Quasi-2D Antiferromagnet RuFe(MoO4)2  **First Author:** Sakhratov, Yu.A., Kazan State Power Engineering University, sakhratov@gmail.com  **PI:** Sakhratov, Yu.A., Kazan State Power Engineering University, sakhratov@gmail.com  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 17.5 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**203**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=203) | **Title:** Thermal conductivity and magnetic torque study in the honeycomb magnets  **First Author:** Lee, M, University of Colorado Boulder, physics, minhyea.lee@colorado.edu  **PI:** Lee, M, University of Colorado Boulder, physics, minhyea.lee@colorado.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 31 T  **UCGP:** No    **VSP:** No   **Published in** Phys. Rev. Lett. 118/187203  **Sign. Achievement:** No  **Director's Recommendation: Yes**  **Director's Comments:** None | Approved | | [**221**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=221) | **Title:** Magneto-electric effect in quasi-2D organic conductors  **First Author:** Hassan, N, Johns Hopkins University, Department of Physics and Astronomy, nhassan4@jhu.edu  **PI:** Drichko, N, Johns Hopkins University, Department of Physics and Astronomy, drichko@jhu.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 18 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**237**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=237) | **Title:** High Field Studies of Magnetic Weyl Semimetals  **First Author:** Ye, L., MIT, Physics, lindaye@mit.edu  **PI:** Checkelsky, J. G., MIT, Physics, checkelsky@mit.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 31 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: Yes**  **Director's Comments:** None | Approved | | [**240**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=240) | **Title:** Phase transformation of Fe-N in high magnetic field annealing  **First Author:** MA, M, University of Minnesota, University of Minnesota, bmagn@umn.edu  **PI:** MA, M, University of Minnesota, University of Minnesota, bmagn@umn.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 18 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**260**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=260) | **Title:** High field magnetization in FePS3  **First Author:** Wildes, A. R., Institut Laue-Langevin, wildes@ill.fr  **PI:** Wildes, A. R., Institut Laue-Langevin, wildes@ill.fr  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 65 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**274**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=274) | **Title:** Solving the Ground State Phase Diagram of an Anisotropic Spin-1/2 Triangular AFM  **First Author:** Steinhardt, WMS, Duke University, Physics, william.steinhardt@duke.edu  **PI:** Haravifard, SH, Duke University, Physics & Materials Science, haravifard@phy.duke.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 18 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** **Yes**  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**294**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=294) | **Title:** Magnetization measurements in high pulsed magnetic fields to test Ru4+ ground state properties of Sr4Ru3O10  **First Author:** Vecchione, A, University of Salerno, vecchione@sa.infn.it  **PI:** Vecchione, A, University of Salerno, vecchione@sa.infn.it  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 64 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**295**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=295) | **Title:** Magnetostriction experiments in high pulsed magnetic fields to test Ru4+ ground state properties in Sr4Ru3O10  **First Author:** Vecchione, A, University of Salerno, vecchione@sa.infn.it  **PI:** Vecchione, A, University of Salerno, vecchione@sa.infn.it  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 64 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**296**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=296) | **Title:** Low-Temperature Magnetization of YbMgGaO4  **First Author:** Yadav, S. M., UF, Physics, yadavswap.12@ufl.edu  **PI:** Takano, Y., UF, Physics, takano@phys.ufl.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 16 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**332**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=332) | **Title:** Avalanches in Spin Cluster Systems  **First Author:** Chikara, S, Auburn University, schikara@auburn.edu  **PI:** Zapf, VS, LANL, vzapf@lanl.gov  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 65 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**333**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=333) | **Title:** Magnetoelectric effect in layered compounds with polar structures  **First Author:** Zhou, H. D., University of Tennessee, hzhou10@lanl.gov  **PI:** Zhou, H. D., University of Tennessee, hzhou10@lanl.gov  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 65 T  **UCGP:** No    **VSP:** **Yes**   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**344**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=344) | **Title:** 92T Pulsed Field Magnetostriction in UPt3  **First Author:** Shivaram, B S, University of Virginia, bss2d@Virginia.edu  **PI:** Shivaram, B S, University of Virginia, bss2d@Virginia.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 92 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**379**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=379) | **Title:** Broadband spectroscopy of thermodynamic magnetization fluctuations through a ferromagnetic spin-reorientation transition  **First Author:** Balk, A, NHMFL-LANL, crooker@lanl.gov  **PI:** Crooker, SA, NHMFL-LANL, crooker@lanl.gov  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 1 T  **UCGP:** No    **VSP:** No   **Submitted to** Phys. Rev. X   **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**389**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=389) | **Title:** Effect of halide substitution in low-dimensional S = 1 quantum magnets  **First Author:** Blackmore, W.J.A, University of Warwick, Physics, W.J.A.Blackmore@warwick.ac.uk  **PI:** Manson, J.L., Eastern Washington University, Chemistry, Biochemistry and Physics, jmanson@ewu.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 60 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** **Yes**  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**390**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=390) | **Title:** NiX2(H2O)2(3-fluoropyridine)2: Possible models of the S = 1 J1-J2 square lattice  **First Author:** Manson, J.L., Eastern Washington University, Chemistry, Biochemistry and Physics, jmanson@ewu.edu  **PI:** Manson, J.L., Eastern Washington University, Chemistry, Biochemistry and Physics, jmanson@ewu.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 60 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** **Yes**  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**394**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=394) | **Title:** EPR Study of Lanthanide Triple-Decker Phthalocyanine Complexes  **First Author:** Ghirri, A., CNR-Instituto Nanoscienze, alberto.ghirri@nano.cnr.it  **PI:** Ghirri, A., CNR-Instituto Nanoscienze, alberto.ghirri@nano.cnr.it  **Category:** Magnetism and Magnetic Materials  **Facility:** EMR Facility  **Highest Measured Field:** 15 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**395**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=395) | **Title:** Magnetostriction Induced Large Tunable Electric Polarization in CaBaCo4O7  **First Author:** Chai, Y.S., Institute of Physics, Chinese Academy of Sciences, yschai@cqu.edu.cn  **PI:** Sun, Y., Institute of Physics, Chinese Academy of Sciences, youngsun@iphy.ac.cn  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 60 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**397**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=397) | **Title:** High-field magnetization of free-to-rotate GdCo5  **First Author:** Goddard, P.A., University of Warwick, Physics, p.goddard@warwick.ac.uk  **PI:** Goddard, P.A., University of Warwick, Physics, p.goddard@warwick.ac.uk  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 60 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**403**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=403) | **Title:** Pulsed-field induced spin state trapping (PFIESST) in a Mn(III) SCO complex  **First Author:** Kühne, I.A., University College Dublin, School of Chemistry, irina.kuhne@ucd.ie  **PI:** Morgan, G.G., University College Dublin, School of Chemistry, grace.morgan@ucd.ie  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 60 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**410**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=410) | **Title:** Torque Magnetometry on Thin Films of Frustrated Magnets  **First Author:** Barry, K, Florida State University, Physics, kevinbarry.1524@gmail.com  **PI:** Beekman, C, Florida State University, Physics, beekman@magnet.fsu.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 18 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**414**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=414) | **Title:** High Frequency Ferromagnetic Resonance (FMR) of Thin Films  **First Author:** Lee, I, Ohio State University, Physics, lee.2338@osu.edu  **PI:** Yang, F, Ohio State University, Physics, yang.1006@osu.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** EMR Facility  **Highest Measured Field:** 12.5 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**422**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=422) | **Title:** Anomalous Behavior of Spin Dynamics in the Metal-Organic Framework (MOF) Dimethylammonium Manganese Formate (DMMnF) from 1H and 55Mn NMR   **First Author:** Reyes, R.R., NYU/NHMFL, rdr335@nyu.edu  **PI:** Reyes, A.P., NHMFL, reyes@magnet.fsu.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** CMT/E  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**425**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=425) | **Title:** New Plateaus in the Doped Spin Dimer System SrCu(2-x)Mgx(BO3)2 at High Fields  **First Author:** Shi, Z.S., Duke University, Physics, zhenzhong.shi@phy.duke.edu  **PI:** Haravifard, S.H., Duke University, Physics & Material Sciences, haravifard@phy.duke.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 60 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**437**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=437) | **Title:** High field magnetostriction on uranium sulfide  **First Author:** Gofryk, KG, Idaho National Laboratory, krzysztof.gofryk@inl.gov  **PI:** Gofryk, KG, Idaho National Laboratory, krzysztof.gofryk@inl.gov  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 20 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**438**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=438) | **Title:** High Field Magnetostriction of USb Single Crystals  **First Author:** Gofryk, KG, Idaho National Laboratory, krzysztof.gofryk@inl.gov  **PI:** Gofryk, KG, Idaho National Laboratory, krzysztof.gofryk@inl.gov  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 60 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**439**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=439) | **Title:** High Field Magnetization of USb Single Crystals  **First Author:** Gofryk, KG, Idaho National Laboratory, krzysztof.gofryk@inl.gov  **PI:** Gofryk, KG, Idaho National Laboratory, krzysztof.gofryk@inl.gov  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 60 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**443**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=443) | **Title:** High pressure susceptibility studies on a quasi-2D metal-organic Heisenberg antiferromagnet  **First Author:** Wehinger, BW, University of Geneva, Department of Quantum Matter Physics, bjorn.wehinger@unige.ch  **PI:** Wehinger, BW, University of Geneva, Department of Quantum Matter Physics, bjorn.wehinger@unige.ch  **Category:** Magnetism and Magnetic Materials  **Facility:** DC Field Facility  **Highest Measured Field:** 31 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**448**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=448) | **Title:** Detailed High-Field and High-Frequency EPR Study of the Single-Molecule Magnet Fe6  **First Author:** Nehrkorn, J., NHMFL, jnehrkorn@magnet.fsu.edu  **PI:** Nehrkorn, J., NHMFL, jnehrkorn@magnet.fsu.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** EMR Facility  **Highest Measured Field:** 15 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**458**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=458) | **Title:** High magnetic field study of hexagonal rare earth indate  **First Author:** Kim, J.W., Rutgers University, jwkim@physics.rutgers.edu  **PI:** Cheong, S.W., Rutgers University, sangc@physics.rutgers.edu  **Category:** Magnetism and Magnetic Materials  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 65 T  **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | **Total Reports: 52** | | | |