List Of 2016 Reports

ID#	Title, First Author, and Category	Status
10	**Title:** Magnetic Ground States of New Kagome Lattice Magnets **First Author:** Zhou, H. D., University of Tennessee, Physics, hzhou10@utk.edu **PI:** Zhou, H. D., University of Tennessee, Physics, hzhou10@utk.edu **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 18 T **UCGP:** **Yes** **VSP:** **Yes** **Published in** Phys. Rev. Lett. 116, 157201 (2016) **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
15	**Title:** Characterization of Emissive States in Structurally-Precise Monolayer-Protected Gold Nanoclusters **First Author:** Herbert, P. J., Florida State University, Department of Chemistry and Biochemistry, pherbert@chem.fsu.edu **PI:** Knappenberger, K. L., Florida State University, Department of Chemistry and Biochemistry, klk@chem.fsu.edu **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 17.5 T **UCGP:** No **VSP:** No **Published in** Journal of Physical Chemistry C 120/31/17784-17790 **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
27	**Title:** Sub-10 nm 1D/3D Disordered Electron Systems **First Author:** Lu, Y., University of Pennsylvania, Materials Science and Engineering, yanglu1@seas.upenn.edu **PI:** Chen, I.W., University of Pennsylvania, Materials Science and Engineering, iweichen@seas.upenn.edu **Category:** Condensed Matter - Other **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	Edited
29	**Title:** Austenite-to-Martensite Transition in Stainless Steel **First Author:** Kovalev, A, NHMFL, kovalev@magnet.fsu.edu **PI:** Siegrist, T, NHMFL, siegrist@magnet.fsu.edu **Category:** Condensed Matter - Other **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:** **Yes** **Director's Comments:** None	Edited
31	**Title:** Electron Transport In Al-Cu-Co-Fe Quasicrystals And Approximants **First Author:** Shulyatev, D. A., NUST MISIS, shulyatev@mail.ru **PI:** Shulyatev, D. A., NUST MISIS, shulyatev@mail.ru **Category:** Condensed Matter - Other **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	Edited
34	**Title:** Magneto-Infrared Spectroscopy of LaSb **First Author:** Kwangnam, Y., University of Seoul, Department of Physics, phykn.kr@gmail.com **PI:** Choi, E.J., University of Seoul, Department of Physics, echoi@uos.ac.kr **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 17.5 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
41		Edited

	Title: Phase Separation Kinetics in Quantum Solid Mixtures **First Author:** Candela, D, University of Massachusetts, Phsyics and Astronomy, candela@physics.umass.edu **PI:** Sullivan, N, University of Florida, Physics, sullivan@phys.ufl.edu **Category:** Condensed Matter - Other **Facility:** High B/T Facility at UF **Highest Measured Field:** 10 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** **Yes** **Director's Comments:** None	
42	**Title:** Observation of a Quantum Wigner Crystallization in Two-dimensional Systems **First Author:** Knighton, T, Wayne State University, Physics, not known **PI:** Huang, J., Wayne State University, Physics, jianhuang@wayne.edu **Category:** Condensed Matter - Other **Facility:** High B/T Facility at UF **Highest Measured Field:** 6 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
43	**Title:** Dielectric Measurements at Ultra-Low Temperatures and High Magnetic Fields **First Author:** Xia, J., University of Florida, Physics, jsxia@phys.ufl.edu **PI:** Xia, J., University of Florida, Physics, jsxia@phys.ufl.edu **Category:** Condensed Matter - Other **Facility:** High B/T Facility at UF **Highest Measured Field:** 15 T **UCGP:** No **VSP:** No **Accepted by** J. Low Temp. Phys. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
44	**Title:** Ferroelectric Measurement of PbCrO3 at NHMFL **First Author:** Wang, S., University of Nevada, Physics, sullivan@phys.ufl.edu **PI:** Wang, S., University of Nevada, Physics, sullivan@phys.ufl.edu **Category:** Condensed Matter - Other **Facility:** High B/T Facility at UF **Highest Measured Field:** 6 T **UCGP:** No **VSP:** No **Published in** P. Natl. Acad. Sci. U.S.A. 112(5), 15320 (2015) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
74	**Title:** Strong Enhancement of Heat Conduction and Anomaly in Magnetic Torque Response under Magnetic Field in Honeycomb lattice Magnet α-RuCl3 **First Author:** Leahy, I. A., University of Colorado Boulder, Physics, Ian.Leahy@colorado.edu **PI:** Lee, M., University of Colorado Boulder, Physics, minhyea.lee@colorado.edu **Category:** Condensed Matter - Other **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	Edited
83	**Title:** Nearly Massless Dirac Fermions Hosted by Sb Square Net in BaMnSb2 **First Author:** Liu, J.Y., Tulane University, Department of Physics and Engineering Physics, jliu14@tulane.edu **PI:** Mao, Z.Q., Tulane University, Department of Physics and Engineering Physics, zmao@tulane.edu **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 31 T **UCGP:** No **VSP:** No **Published in** Scientific Report 6, 30525 **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
91	**Title:** Phase Transition for Weyl Semimetal TaP in an Intense DC Magnetic Field **First Author:** Xu, X., ICMQ, School of Physics, Peking University, xuxitong1013@163.com **PI:** Jia, S, ICMQ, School of Physics, Peking University, gwljiashuang@pku.edu.cn **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 45 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No	Edited

	Director's Recommendation: No **Director's Comments:** None	
126	**Title:** Magneto-optical Study of Topological Crystalline Insulators **First Author:** Wang, Y, NHMFL, yw13c@my.fsu.edu **PI:** Li, Z, NHMFL, zli@magnet.fsu.edu **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 17.5 T **UCGP:** No **VSP:** No **Submitted to** Science Advances **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
127	**Title:** EMR Study of a Possible Topological Kondo Insulator SmB6 **First Author:** Lai, Y, NHMFL, lyindut@gmail.com **PI:** Li, Z, NHMFL, zli@magnet.fsu.edu **Category:** Condensed Matter - Other **Facility:** EMR Facility **Highest Measured Field:** 12.5 T **UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
129	**Title:** Observation of Quasi-Two-Dimensional Dirac Fermions in ZrTe5 **First Author:** Yuan, X, Fudan Univerisity, Physics, 14110190046@fudan.edu.cn **PI:** Yan, H, Fudan Univerisity, Physics, hgyan@fudan.edu.cn **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 17.5 T **UCGP:** No **VSP:** No **Published in** NPG Aisa Material NPG Asia Materials 8, e325 (2016). **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
140	**Title:** Quantum Oscillations in the High Pressure Metallised Mott Insulator NiS2 **First Author:** Grosche, F M, University of Cambridge, Cavendish Laboratory, fmg12@cam.ac.uk **PI:** Grosche, F M, University of Cambridge, Cavendish Laboratory, fmg12@cam.ac.uk **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 35 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: Yes** **Director's Comments:** None	Edited
158	**Title:** Study on the Origin of the Resistance Peak of Bulk Layered Materials in a Strong In-Plane Magnetic Field **First Author:** Kang, W, Ewha Womans University, Physics, wkang@ewha.ac.kr **PI:** Kang, W, Ewha Womans University, Physics, wkang@ewha.ac.kr **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 31 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
160	**Title:** Evidence of Topological Nodal-Line Fermions in ZrSiSe and ZrSiTe **First Author:** Hu, J, Tulane University, Physics and Engineering Physics, jhu@tulane.edu **PI:** Hu, J, Tulane University, Physics and Engineering Physics, jhu@tulane.edu **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 31 T **UCGP:** No **VSP:** No **Published in** Phys. Rev. Lett. 117/1/016602 **Sign. Achievement: Yes** **Director's Recommendation: Yes** **Director's Comments:** None	Edited
161	**Title:** Quantum Criticality in a Frustrated Quantum Magnet **First Author:** Mitsuhiko Maesato, M.M., Kyoto University, Division of chemistry, graduate school of science, maesato@kuchem.kyoto-u.ac.jp **PI:** Mitsuhiko Maesato, M.M., Kyoto University, Division of chemistry, graduate school of science, maesato@kuchem.kyoto-u.ac.jp **Category:** Condensed Matter - Other	Edited

	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	
182	**Title:** Probing the Electronic State in the Strong Topological Metals Zr2Te2P, Hf2Te2P, Zr2Te2As and Their Structural Analogue Ti2Te2P **First Author:** Chen, K. -W, National High Magnetic Field Laboratory - FSU, CMS, kchen@magnet.fsu.edu **PI:** Baumbach, R. E., National High Magnetic Field Laboratory, CMS, baumbach@magnet.fsu.edu **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 35 T **UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: Yes** **Director's Comments:** None	Edited
183	**Title:** Study of Forbidden Excitations between two Quasi-Harmonic Systems **First Author:** Chiorescu, I., NHMFL and FSU Physics Dept, Physics, ic@magnet.fsu.edu **PI:** Chiorescu, I., NHMFL and FSU Physics Dept, Physics, ic@magnet.fsu.edu **Category:** Condensed Matter - Other **Facility:** CMT/E **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
186	**Title:** High-frequency Detection of Spin Dynamics by Means of a Combined SQUID-resonator **First Author:** Chiorescu, I., NHMFL and FSU-Physics, ic@magnet.fsu.edu **PI:** Chiorescu, I., NHMFL and FSU-Physics, ic@magnet.fsu.edu **Category:** Condensed Matter - Other **Facility:** CMT/E **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
204	**Title:** Magneto-Raman Spectroscopy on Correlated Electron System Alpha-RuCl3 **First Author:** Thirunavukkuarasu, K, Florida A&M University, Florida A&M University, komalavalli.thirunav@famu.edu **PI:** Smirnov, D, NHMFL, smirnov@magnet.fsu.edu **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 15 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
228	**Title:** Molecular Conductor Fractals **First Author:** Steven, E, NHMFL, Physics, esteven@magnet.fsu.edu **PI:** Steven, E, NHMFL, Physics, esteven@magnet.fsu.edu **Category:** Condensed Matter - Other **Facility:** CMT/E **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
229	**Title:** Termination of Two-Dimensional Metallic Conduction near the Metal-Insulator Transition in Si/SiGe Quantum Wells **First Author:** Pan, W, Sandia National Laboratory, wpan@sandia.gov **PI:** Pan, W, Sandia National Laboratory, wpan@sandia.gov **Category:** Condensed Matter - Other **Facility:** High B/T Facility at UF **Highest Measured Field:** 4 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
230	**Title:** Monolayer Organic Diode **First Author:** Steven, E, NHMFL, Physics, esteven@magnet.fsu.edu	Edited

	PI: Steven, E, NHMFL, Physics, esteven@magnet.fsu.edu **Category:** Condensed Matter - Other **Facility:** CMT/E **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
231	**Title:** Chiral Magnetic Effect in Topological Tellurides **First Author:** Chi, H, Brookhaven National Laboratory, chihang@bnl.gov **PI:** Li, Q, Brookhaven National Laboratory, liqiang@bnl.gov **Category:** Condensed Matter - Other **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	Edited
243	**Title:** Strongly Correlated Insulators and Frustrated Magnets **First Author:** Beekman, C, Florida State University, Physics, beekman@magnet.fsu.edu **PI:** Beekman, C, Florida State University, Physics, beekman@magnet.fsu.edu **Category:** Condensed Matter - Other **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	Edited
246	**Title:** Proton NMR investigation of Ag Nanoparticles Capped With Palmitic Acid **First Author:** Jang, Z, Kookmin University, Physics, zeehoonj@kookmin.ac.kr **PI:** Jang, Z, Kookmin University, Physics, zeehoonj@kookmin.ac.kr **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 6.34 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
269	**Title:** Phase Transitions Induced by Pressure and High Magnetic Field in SrCu2(BO3)2 **First Author:** Steinhardt, W, Duke University, Physics, william.steinhardt@duke.edu **PI:** Haravifard, S, Duke University, Physics, haravifard@phy.duke.edu **Category:** Condensed Matter - Other **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	Edited
270	**Title:** Magneto-Transport Properties of Sm2Ir2O7 Thin-Films at Low Temperatures **First Author:** Kim, W., Seoul National University, wjk316@snu.ac.kr **PI:** Seo, S.S.A, University of Kentucky, Physics and Astronomy, a.seo@uky.edu **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 30 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
273	**Title:** Determining Single-ion and Spatial Exchange Anisotropies by Pulsed-field Magnetometry **First Author:** Manson, JLM, Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu **PI:** Manson, JLM, Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu **Category:** Condensed Matter - Other **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 60 T **UCGP:** No **VSP:** No **Submitted to** Phys. Rev. B **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
274		Edited

	Title: Observing Pt Atoms on CeO2 Nano-rods **First Author:** Xin, Y, NHMFL, MST/NHMFL, xin@magnet.fsu.edu **PI:** Xin, Y, NHMFL, MST/NHMFL, xin@magnet.fsu.edu **Category:** Condensed Matter - Other **Facility:** MS & T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
275	**Title:** Low-T Magnetometry Study of S = 1 Q2D [Ni(pyz)2(H2O)2](BF4)2 (pyz = pyrazine) **First Author:** Manson, JLM, Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu **PI:** Manson, JLM, Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu **Category:** Condensed Matter - Other **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	Edited
277	**Title:** Pulsed-field Magnetization of Frustrated S = 1/2 Cu(pyrimidine)1.5(H2O)(BF4)2 **First Author:** Manson, JLM, Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu **PI:** Manson, JLM, Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu **Category:** Condensed Matter - Other **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	Edited
281	**Title:** Si-29 MAS DNP NMR on SiO2-encapsulated Pt and PtSn Nanoparticles **First Author:** Zhao, E. W., University of Florida, Chemistry, bowers@chem.ufl.edu **PI:** Bowers, C. R., University of Florida, Chemistry, bowers@chem.ufl.edu **Category:** Condensed Matter - Other **Facility:** High B/T Facility at UF **Highest Measured Field:** 15 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
282	**Title:** Characterization of Elastic Interactions in GaAs/Si Composites by Optically Pumped Nuclear Magnetic Resonance **First Author:** Wood, R. M., University of Florida, Chemistry, bowers@chem.ufl.edu **PI:** Bowers, C. R., University of Florida, Chemistry, bowers@chem.ufl.edu **Category:** Condensed Matter - Other **Facility:** UF Physics **Highest Measured Field:** 15 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
291	**Title:** Melt Topology of Ethylene Copolymers Above Equilibrium Followed by SS NMR **First Author:** Alamo, RG, FAMU-FSU College of Engineering, Chemical and Biomedical Engineering, alamo@eng.fsu.edu **PI:** Alamo, RG, FAMU-FSU College of Engineering, Chemical and Biomedical Engineering, alamo@eng.fsu.edu **Category:** Condensed Matter - Other **Facility:** NMR Facility **Highest Measured Field:** 7.3 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
293	**Title:** Structural Inversion in Nanocrystalline MgAl2O4 Spinel **First Author:** Marple, M.A.T, University of California, Davis, Materials Science & Engineering, mamarple@ucdavis.edu **PI:** Sen, S., University of California, Davis, Materials Science & Engineering, sbsen@ucdavis.edu **Category:** Condensed Matter - Other **Facility:** NMR Facility **Highest Measured Field:** 19.6 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation	Edited

	Sign. Achievement: No **Director's Recommendation: No** **Director's Comments:** None	
294	**Title:** Tellurium Speciation in V2O5-TeO2 Glasses: Results from Two-Dimensional 125Te MATPASS/CPMG NMR Spectroscopy **First Author:** Marple, M.A.T, University of California, Davis, Materials Science & Engineering, mamarple@ucdavis.edu **PI:** Sen, S., University of California, Davis, Materials Science & Engineering, sbsen@ucdavis.edu **Category:** Condensed Matter - Other **Facility:** NMR Facility **Highest Measured Field:** 19.6 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
300	**Title:** High Pressure Magnetization Studies on SrCu2(BO3)2 **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:** Condensed Matter - Other **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	Edited
331	**Title:** Possible New Quantum States Near the Quantum Limit in AMnSb2 (A=Sr or Ba) **First Author:** Liu, J.Y., Tulane University, Tulane University, jliu14@tulane.edu **PI:** Mao, Z.Q., Tulane University, Tulane University, zmao@tulane.edu **Category:** Condensed Matter - Other **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
334	**Title:** Exotic Phenomena in Quantum Limit in Nodal-line Semimetal ZrSiS **First Author:** Hu, Hu, Tulane University, Tulane University, jhu@tulane.edu **PI:** Hu, Hu, Tulane University, Tulane University, jhu@tulane.edu **Category:** Condensed Matter - Other **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	Edited
344	**Title:** Pulsed Field Magneto-resistance and Hall Effect in a Nonsymmorphic Metal **First Author:** Liang, S.H., Princeton University, Physics, npo@princeton.edu **PI:** Liang, S.H., Princeton University, Physics, npo@princeton.edu **Category:** Condensed Matter - Other **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 63 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
412	**Title:** Field-Induced Phase Transition in the Weyl Semimetal TaAs **First Author:** Ramshaw, BJR, Cornell University, Physics, bradramshaw@cornell.edu **PI:** Ronning, FR, Los Alamos National Labs, fronning@lanl.gov **Category:** Condensed Matter - Other **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 82 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: Yes** **Director's Comments:** None	Edited
435	**Title:** Conductivity in the Quantum Limit of Weyl Semimetals **First Author:** Modic, KA, Max Planck Institute, kim.modic@cpfs.mpg.de	Edited

	PI: Ronning, Filip, Los Alamos National Laboratory, fronning@lanl.gov **Category:** Condensed Matter - Other **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 70 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
445	**Title:** Fermi-arc Quantum Oscillations in the Dirac Semi-Metal Cd3As2 **First Author:** Nair, NN, UC Berkeley, Physics, nairn@berkeley.edu **PI:** Analytis, JGA, UC Berkeley, Physics, analytis@berkeley.edu **Category:** Condensed Matter - Other **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	Edited
454	**Title:** High Field Magneto-Optical Studies of Liquid Crystals and Complex Fluids **First Author:** Gleeson, J.T., Kent State University, Physics, jgleeeson@gmail.com **PI:** Gleeson, J.T., Kent State University, Physics, jgleeeson@gmail.com **Category:** Condensed Matter - Other **Facility:** DC Field Facility **Highest Measured Field:** 25 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
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