List Of 2014 Reports

ID#	Title, First Author, and Category	Status
206	**Title:** Valley-Polarized Interlayer Conduction of Anisotropic Dirac Fermions in SrMnBi2 **First Author:** Jo, Y. J., Kyungpook U., Physics, jophy@knu.ac.kr **PI:** Kim, J. S., POSTECH, Physics, js.kim@postech.ac.kr **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** Phys. Rev. Lett. 113/15/156602 **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Editing
402	**Title:** Enhancement of Spin Susceptibility of Low-Density Two-Dimensional Electrons in a High Quality Si/Sige Quantum Well **First Author:** Shi, XS, Sandia National Laboratories, xshi@sandia.gov **PI:** Pan, WP, Sandia National Laboratories, wpan@sandia.gov **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	Editing
310	**Title:** High Field Magneto-Optical Studies of Liquid Crystals and Complex Fluids **First Author:** Gleeson, J.T., Kent State University, Physics, jgleeson@kent.edu **PI:** Gleeson, J.T., Kent State University, Physics, jgleeson@kent.edu **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** Phys. Rev. E 89 , 060501(R) (2014) **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	Editing
328	**Title:** The Magnetoresistance of Carbon Nanotube Fibers in Pulsed Magnetic Fields up to 60T **First Author:** Lekawa-Raus, A, University of Cambridge, Department of Materials Science and Metallurgy, **PI:** Lekawa-Raus, A, University of Cambridge, Department of Materials Science and Metallurgy, **Category:** Other Condensed Matter **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
382	**Title:** Magneto-Optical Effect in Suspensions of Anisometric Pigment Particles **First Author:** Eremin, A., Otto von Gutricke University , alexey.eremin@ovgu.de **PI:** Eremin, A., Otto von Gutricke University , alexey.eremin@ovgu.de **Category:** Other Condensed Matter **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
454	**Title:** Angle-Dependent Measurements on Ultra-Quantum Limit Bismuth **First Author:** Zhu, Z.Z., NHMFL, LANL and HUST, zengwei.zhu@hust.edu.cn **PI:** Zhu, Z.Z., NHMFL, LANL and HUST, zengwei.zhu@hust.edu.cn **Category:** Other Condensed Matter **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
455	**Title:** Angle-Dependent Measurements on Ultra-Quantum Limit Graphite **First Author:** Zhu, Z.Z., NHMFL, LANL and HUST, zengwei.zhu@hust.edu.cn **PI:** Zhu, Z.Z., NHMFL, LANL and HUST, zengwei.zhu@hust.edu.cn **Category:** Other Condensed Matter **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

456	**Title:** Temperature-Dependent Rxx in Untra-Quantum Limit of Bismuth Along Binary **First Author:** Zhu, Z.Z., NHMFL, LANL and HUST, zengwei.zhu@hust.edu.cn **PI:** Zhu, Z.Z., NHMFL, LANL and HUST, zengwei.zhu@hust.edu.cn **Category:** Other Condensed Matter **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
457	**Title:** Temperature-Dependent Rzz and Rxx in Untra-Quantum Limit of Graphite **First Author:** Zhu, Z.Z., NHMFL, LANL and HUST, zengwei.zhu@hust.edu.cn **PI:** Zhu, Z.Z., NHMFL, LANL and HUST, zengwei.zhu@hust.edu.cn **Category:** Other Condensed Matter **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
251	**Title:** Quantum Oscillations and Fermilology of Ce2Rh3Ge5 **First Author:** Wartenbe, M. R., MAGLAB, LANL, Condensed Matter, mrw03h@fsu.edu **PI:** Wartenbe, M. R., MAGLAB, LANL, Condensed Matter, mrw03h@fsu.edu **Category:** Other Condensed Matter **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
261	**Title:** Quantum Oscillations in Low Carrier Concentration SrTiO3 FETs **First Author:** Bangura, A. F., Max Planck Institute for Solid State Research, Stuttgart, Quantum Materials, a.bangura@fkf.mpg.de **PI:** Bangura, A. F., Max Planck Institute for Solid State Research, Stuttgart, Quantum Materials, a.bangura@fkf.mpg.de **Category:** Other Condensed Matter **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
266	**Title:** Quantum Critical Points and Non-Fermi Liquid Behavior in CaRuO3 **First Author:** Wartenbe, MR, FSU, LANL, mrw03h@fsu.edu **PI:** Wartenbe, MR, FSU, LANL, mrw03h@fsu.edu **Category:** Other Condensed Matter **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
270	**Title:** Quantum Oscillations in the High Pressure Metallised Mott Insulator Nis2 **First Author:** Chang, H, University of Cambridge, UK, Cavendish Laboratory, hcc38@cam.ac.uk **PI:** Grosche, F M, University of Cambridge, UK, Cavendish Laboratory, fmg12@cam.ac.uk **Category:** Other Condensed Matter **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
282	**Title:** Quantum Criticality at the Anderson Transition: a TMT Perspective **First Author:** Mahmoudian, S, National High Magnetic Field Laboratory, FSU, Physics, mahmoudian@magnet.fsu.edu **PI:** Dobrosavljevic, V, National High Magnetic Field Laboratory, FSU, Physics, vlad@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** CMT/E **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
	Title: Phase Transitions in Al-Cu-Co Quasicrystal **First Author:** Suslov, A. V., NHMFL, NHMFL, suslov@magnet.fsu.edu	

303	**PI:** Shulyatev, D. A., NUST “MISIS”, shulyatev@mail.ru **Category:** Other Condensed Matter **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
2	**Title:** Study of Entanglement in Condensed Matter Systems **First Author:** Yang, K, NHMFL, kunyang@magnet.fsu.edu **PI:** Yang, K, NHMFL, kunyang@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** CMT/E **UCGP:** No **VSP:** No **Published in** Phys. Rev. B **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
3	**Title:** Quantum Oscillations in Two-Dimensional Transition Metal Dichalcogenide Heterostructures **First Author:** Kim, YD, Columbia University, Mechanical Engineering, yk2629@columbia.edu **PI:** Hone, J, Columbia University, Mechanical Engineering, jh2228@columbia.edu **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Editing
7	**Title:** Ferroelectric Measurement of PbCrO3 at NHMFL **First Author:** Wang, S., University of Nevada at Las Vegas, Physics, Shanmin Wang **PI:** Wang, S., University of Nevada at Las Vegas, Physics, Shanmin Wang **Category:** Other Condensed Matter **Facility:** High B/T Facility at UF **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
19	**Title:** Ambipolar Molybdenum Diselenide Field-Effect Transistors: Field-Effect and Hall Mobilities **First Author:** Pradhan, N. R., NHMFL, pradhan@magnet.fsu.edu **PI:** Balicas, Luis, NHMFL, balicas@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** CMT/E **UCGP:** No **VSP:** No **Published in** ACS Nano 8// 7923 - 7929 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
20	**Title:** Field-Effect Transistors Based on Few-Layered MoTe2 **First Author:** Pradhan, Nihar, NHMFL, pradhan@magnet.fsu.edu **PI:** Balicas, Luis, NHMFL, balicas@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** CMT/E **UCGP:** No **VSP:** No **Published in** ACS Nano 8/ /5911-5920 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
21	**Title:** Pronounced Photovoltaic response from PN-junctions of Multilayered MoSe2 on h-BN **First Author:** Pradhan, Nihar, NHMFL, pradhan@magnet.fsu.edu **PI:** Balicas, Luis, NHMFL, balicas@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** CMT/E **UCGP:** No **VSP:** No **Submitted to** Nature Nanotechnology **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
24	**Title:** Determination of the Fermi Surface of WTe2 **First Author:** Rhodes, DR, NHMFL, rhodes@magnet.fsu.edu **PI:** Balicas, Luis, NHMFL, balicas@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No	Editing

	Director's Recommendation: No **Director's Comments:** None	
26	**Title:** High-Field Magneto-Transport Study of a Metallic Delafossite Oxide **First Author:** Kikugawa, NK, National Institute for Materials Science, kikugawa.naoki@nims.go.jp **PI:** Kikugawa, NK, National Institute for Materials Science, kikugawa.naoki@nims.go.jp **Category:** Other Condensed Matter **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
30	**Title:** Magnetometry Study of the S = 1 Chain Ni(NCS)2(Thiourea)2 with Bridging Thiourea **First Author:** Manson, J. L., Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu **PI:** Manson, J. L., Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu **Category:** Other Condensed Matter **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
39	**Title:** Weak Localization in Few-layer Black Phosphorus **First Author:** Du, Y.C., Purdue University, Electrical and Computer Engineering, du41@purdue.edu **PI:** Ye, P.D., Purdue University, Electrical and Computer Engineering, yep@purdue.edu **Category:** Other Condensed Matter **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
44	**Title:** Observation of Strong Spin Orbit Coupling in TaSe2 **First Author:** Neal, A.T., Purdue University, Electrical and Computer Engineering, adam.t.neal@gmail.com **PI:** Ye, P.D., Purdue University, Electrical and Computer Engineering, yep@purdue.edu **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** ACS Nano Vol. 8, No. 9, pp. 9137–9142 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
76	**Title:** Effect of Ba Nonstoichiometry in Bax(Zr0.8Y0.2)O3-δ on the Population of 5-Coordinated Y **First Author:** Lee, J.-H., Kyungpook National University, joonlee@knu.ac.kr **PI:** Han, O., Korea Basic Science Institute, ohhan@kbsi.re.kr **Category:** Other Condensed Matter **Facility:** NMR Facility **UCGP:** No **VSP:** No **Accepted by** Journal of the American Ceramic Society **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
83	**Title:** Exploring the Quantum Oscillations of Novel Materials **First Author:** Kikugawa, NK, National Institute for Materials Science, kikugawa.naoki@nims.go.jp **PI:** Kikugawa, NK, National Institute for Materials Science, kikugawa.naoki@nims.go.jp **Category:** Other Condensed Matter **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
189	**Title:** The Influence of A-Site Magnetism in AV2O4 Spinels Approaching Itinerant Electron Limit **First Author:** Kiswandhi, A., NHMFL, CMS, kiswandhi@magnet.fsu.edu **PI:** Brooks, J. S., NHMFL, CMS, brooks@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** CMT/E **UCGP:** No **VSP:** No **Published in** Phys. Rev. B Volume 90, 155132 (2014) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
	Title: Ultrasonic Probe of Quantum Oscillations in GdSi **First Author:** Suslov, A.V., NHMFL, suslov@magnet.fsu.edu **PI:** Feng, Y., ANL, yejun@aps.anl.gov	

195	**Category:** Other Condensed Matter **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
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