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| **List Of 2017 Reports**

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| **ID#** | **Title, First Author, and Category** | **Status** |
| [**93**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=93) |  **Title:** Theoretical Studies of Fractional Quantum Hall Liquids **First Author:** Yang, K, NHMFL, kunyang@magnet.fsu.edu **PI:** Yang, K, NHMFL, kunyang@magnet.fsu.edu **Category:** Semiconductors **Facility:** CMT/E **UCGP:** No    **VSP:** No   **Published in** Phys. Rev. B Rapid Commun.  **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None | Approved |
| [**4**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=4) |  **Title:** High field magneto-photoluminescence studies of organic and hybrid organic/inorganic semiconductors with tunable spin-orbit coupling **First Author:** Vardeny, Z.V., University of Utah, Physics, valy\_vardeny@yahoo.com **PI:** Vardeny, Z.V., University of Utah, Physics, valy\_vardeny@yahoo.com **Category:** Semiconductors **Facility:** DC Field Facility **Highest Measured Field:** 17 T **UCGP:** No    **VSP:** **Yes**   **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: Yes** **Director's Comments:** None | Editing |
| [**227**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=227) |  **Title:** In-plane field and density dependence of electron solids in wide quantum wells near Landau filling ν = 1 **First Author:** Hatke, A. T., NHMFL/FSU, hatk0002@gmail.com **PI:** Engel, L W, NHMFL/FSU, engel@magnet.fsu.edu **Category:** Semiconductors **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 |
| [**113**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=113) |  **Title:** In-plane g factor of low-density two-dimensional holes in a Ge quantum well **First Author:** Lu, T. M., Sandia National Laboratories, New Mexico, tlu@sandia.gov **PI:** Lu, T. M., Sandia National Laboratories, New Mexico, tlu@sandia.gov **Category:** Semiconductors **Facility:** DC Field Facility **Highest Measured Field:** 18 T **UCGP:** No    **VSP:** No   **Published in** Appl. Phys. Lett. 111, 102108 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None | Approved |
| [**268**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=268) |  **Title:** Resistive ν = 1 State in the Quantum Hall Effect **First Author:** Grayson, M., Northwestern University, EECS, mgrayson@eecs.northwestern.edu **PI:** Grayson, M., Northwestern University, EECS, mgrayson@eecs.northwestern.edu **Category:** Semiconductors **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 |
| [**180**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=180) |  **Title:** Search for Chiral Spin Wave Resonances in a High Mobility GaAs/AlGaAs Heterostructure by Field-Swept Microwave Photoconductivity Spectroscopy **First Author:** Tokarski, J, University of Florida, Chemistry, tokarskijt@chem.ufl.edu **PI:** Bowers, C.R., University of Florida, Chemistry, russ@ufl.edu **Category:** Semiconductors **Facility:** DC Field Facility **Highest Measured Field:** 20 T **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None | Approved |
| [**416**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=416) |  **Title:** Terahertz Time-domain Spectroscopy in the Split-Florida Helix **First Author:** Barman, B, The University of Alabama at Birmingham, Physics, biplobbarman@gmail.com **PI:** Hilton, DJ, The University of Alabama at Birmingham, Physics, dhilton@uab.edu **Category:** Semiconductors **Facility:** DC Field Facility **Highest Measured Field:** 25 T **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: Yes** **Director's Comments:** None | Approved |
| [**200**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=200) |  **Title:** The effect of alloy disorder on quantum Hall stripe phases **First Author:** Shi, Q, University of Minnesota, cglyqws@gmail.com **PI:** Zudov, M. A., University of Minnesota, zudov@physics.umn.edu **Category:** Semiconductors **Facility:** DC Field Facility **Highest Measured Field:** 18 T **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: Yes** **Director's Comments:** None | Approved |
| [**48**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=48) |  **Title:** ESR Study on the Electronic Structure of Transition Metal Penta-Telluride **First Author:** Jiang, Y, National High Magnetic Field Laboratory, yjiang46@gatech.edu **PI:** JIang, Z, Georgia Institute of Technology, Physics, Zhigang.Jiang@physics.gatech.edu **Category:** Semiconductors **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 |
| [**383**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=383) |  **Title:** High magnetic field spectroscopy of inorganic perovskite nanocrystals **First Author:** Goryca, M, NHMFL-LANL, crooker@lanl.gov **PI:** Robel, I, Chemistry division, LANL, crooker@lanl.gov **Category:** Semiconductors **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 |
| [**426**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=426) |  **Title:** Magneto-Optical Response in Two-Dimensional Semiconductor Nanoplatelets **First Author:** Brumberg, A, Northwestern university, schaller@anl.gov **PI:** Schaller, R, Northwestern University, schaller@anl.gov **Category:** Semiconductors **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 | Approved |
| [**427**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=427) |  **Title:** Optical Spectroscopy of Bismuth-doped GaAs in High Magnetic Fields **First Author:** Alberi, K, NREL, crooker@lanl.gov **PI:** Alberi, K, NREL, crooker@lanl.gov **Category:** Semiconductors **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 |
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