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| **List Of 2017 Reports**   |  |  |  | | --- | --- | --- | | **ID#** | **Title, First Author, and Category** | **Status** | | [**73**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=73) | **Title:** Emergent Bloch Excitations in Bloch Matter  **First Author:** Lanata, NL, National High Magnetic Field Laboratory, lanata@magnet.fsu.edu  **PI:** Lanata, NL, National High Magnetic Field Laboratory, lanata@magnet.fsu.edu  **Category:** Condensed Matter Technique Development  **Facility:** CMT/E  **UCGP:** No    **VSP:** No   **Published in** Phys. Rev. B   **Sign. Achievement:** No  **Director's Recommendation: Yes**  **Director's Comments:** This new theoretical method will open significant new opportunities for efficient realistic modeling of materials with strong electronic correlations. | Approved | | [**259**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=259) | **Title:** Experimental Development for Studying Out-of-Equilibrium Magneto-Transport of Surface State in 3D Topological Insulators  **First Author:** Moon, S., NHMFL, FSU Physics, suyurimoon@gmail.com  **PI:** Smirnov, D., NHMFL, smirnov@magnet.fsu.edu  **Category:** Condensed Matter Technique Development  **Facility:** DC Field Facility  **Highest Measured Field:** 17 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**285**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=285) | **Title:** FTIR magneto-spectroscopy in the NHMFL DC facility: New developments, tests and optimization of experimental protocols   **First Author:** Ozerov, MO, NHMFL, ozerov@magnet.fsu.edu  **PI:** Ozerov, MO, NHMFL, ozerov@magnet.fsu.edu  **Category:** Condensed Matter Technique Development  **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 | | [**304**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=304) | **Title:** Optical Monitoring Setup for Room-Temperature-Bore Magnets  **First Author:** Suslov, A.V., Florida State University, NHMFL, suslov@magnet.fsu.edu  **PI:** Suslov, A.V., Florida State University, NHMFL, suslov@magnet.fsu.edu  **Category:** Condensed Matter Technique Development  **Facility:** DC Field Facility  **Highest Measured Field:** 11.5 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**436**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=436) | **Title:** Two-Axis Rotation using a Piezo-Driven Platform  **First Author:** Graf, D., NHMFL, graf@magnet.fsu.edu  **PI:** Graf, D., NHMFL, graf@magnet.fsu.edu  **Category:** Condensed Matter Technique Development  **Facility:** DC Field Facility  **Highest Measured Field:** 18 T  **UCGP:** **Yes**    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**401**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=401) | **Title:** Development of the new technique for the magnetostriction measurement in pulsed magnetic fields  **First Author:** Ding, XD, NHMFL\_PFF, xding@lanl.gov  **PI:** Ding, XD, NHMFL\_PFF, xding@lanl.gov  **Category:** Condensed Matter Technique Development  **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 | | [**374**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=374) | **Title:** Development of Thermometry for the Fast Pulse Magnet  **First Author:** Reagor, D.W., LANL, reagor@lanl.gov  **PI:** Lashley, J.C., LANL, j.lash@lanl.gov  **Category:** Condensed Matter Technique Development  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 30 T  **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | [**373**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=373) | **Title:** Thermal expansion measurements of CeRhIn5 under high pressures  **First Author:** Rosa, PFS, Los Alamos National Laboratory, pfsrosa@lanl.gov  **PI:** Thompson, J, Los Alamos National Laboratory, jdt@lanl.gov  **Category:** Condensed Matter Technique Development  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 12 T  **UCGP:** No    **VSP:** No   **Published in** Sensors Sensors 17, 2543 (2017).  **Sign. Achievement:** **Yes**  **Director's Recommendation: Yes**  **Director's Comments:** None | Approved | | [**378**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=378) | **Title:** Toward time-domain terahertz spectroscopy in pulsed magnetic fields  **First Author:** Post, K, NHMFL-LANL, crooker@lanl.gov  **PI:** Crooker, SA, NHMFL-LANL, crooker@lanl.gov  **Category:** Condensed Matter Technique Development  **Facility:** Pulsed Field Facility at LANL  **Highest Measured Field:** 7 T  **UCGP:** **Yes**    **VSP:** No   **Publication Status:** Not at this time  **Sign. Achievement:** No  **Director's Recommendation: No**  **Director's Comments:** None | Approved | | **Total Reports: 9** | | | |