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| **List Of 2017 Reports**

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| **ID#** | **Title, First Author, and Category** | **Status** |
| [**40**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=40) |  **Title:** Hall Effect of the Quadrupolar Kondo Lattice PrV2Al20 **First Author:** Shimura, Y. S., Hiroshima University, Graduated School of Advanced Sciences of Matter, simu@hiroshima-u.ac.jp **PI:** Nakatsuji, S. N., Institute for Solid State Physics, The University of Tokyo, satoru@issp.u-tokyo.ac.jp **Category:** Kondo/Heavy Fermion Systems **Facility:** DC Field Facility **Highest Measured Field:** 31.4 T **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None | Approved |
| [**56**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=56) |  **Title:** Probing the Fermi surface and g-factor anisotropy in electron doped URu2Si2: Measurements to 45 Tesla at dilution refrigerator temperatures **First Author:** Huang, K, National High Magnetic Field Laboratory - FSU, khuang@magnet.fsu.edu **PI:** Baumbach, R. E., National High Magnetic Field Laboratory - FSU, baumbach@magnet.fsu.edu **Category:** Kondo/Heavy Fermion Systems **Facility:** DC Field Facility **Highest Measured Field:** 45 T **UCGP:** **Yes**    **VSP:** No   **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: Yes** **Director's Comments:** None | Approved |
| [**60**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=60) |  **Title:** High magnetic field study of the first order transition antiferromagnet U\_2Rh\_3Si\_5 **First Author:** Sullow, S., TU Braunschweig, Physics, s.suellow@tu-bs.de **PI:** Sullow, S., TU Braunschweig, Physics, s.suellow@tu-bs.de **Category:** Kondo/Heavy Fermion Systems **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 |
| [**101**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=101) |  **Title:** Angular-dependence of magnetoresistance near the hidden order phase in URu2-xFexSi2 **First Author:** Pouse, N, University of California, San Diego, Physics, npouse@ucsd.edu **PI:** Maple, M B, University of California, San Diego, Physics, mbmaple@ucsd.edu **Category:** Kondo/Heavy Fermion Systems **Facility:** DC Field Facility **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 |
| [**165**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=165) |  **Title:** Search for Quantum Criticality in Heavy Fermion Systems **First Author:** Green, E.L., HLD-HZDR, e.green@hzdr.de **PI:** Green, E.L., HLD-HZDR, e.green@hzdr.de **Category:** Kondo/Heavy Fermion Systems **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 |
| [**331**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=331) |  **Title:** Angle-dependent phase diagram of URu2-xFexSi2 around the hidden order **First Author:** Pouse, N, University of California, San Diego, Physics, npouse@ucsd.edu **PI:** Maple, M B, University of California, San Diego, Physics, mbmaple@ucsd.edu **Category:** Kondo/Heavy Fermion Systems **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 |
| [**346**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=346) |  **Title:** Magnetoelastic Coupling in CeRhIn5 **First Author:** Rosa, P.F.S, Los Alamos National Laboratory, MPA-CMMS, pfsrosa@lanl.gov **PI:** Ronning, F, Los Alamos National Laboratory, MPA-CMMS, fronning@lanl.gov **Category:** Kondo/Heavy Fermion Systems **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 45 T **UCGP:** **Yes**    **VSP:** No   **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None | Approved |
| [**362**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=362) |  **Title:** Field-induced nematicity in CeRhIn5 **First Author:** Shirer, KRS, Max-Planck-Institute for Chemical Physics of Solids, kent.shirer@cpfs.mpg.de **PI:** Moll, PJWM, Max-Planck-Institute for Chemical Physics of Solids, philip.moll@cpfs.mpg.de **Category:** Kondo/Heavy Fermion Systems **Facility:** DC Field Facility **Highest Measured Field:** 45 T **UCGP:** No    **VSP:** No   **Published in** Nature 548, 313–317 **Sign. Achievement:** No **Director's Recommendation: Yes, definitely** **Director's Comments:** None | Approved |
| [**363**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=363) |  **Title:** Tuning quantum criticality by doping in CeRhIn5) **First Author:** Shirer, KRS, Max-Planck-Institute for Chemical Physics of Solids, kent.shirer@cpfs.mpg.de **PI:** Moll, PJWM, Max-Planck-Institute for Chemical Physics of Solids, philip.moll@cpfs.mpg.de **Category:** Kondo/Heavy Fermion Systems **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 |
| [**419**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=419) |  **Title:** CeRu4Sn6 in Pulsed Fields **First Author:** Zocco, D.A., Vienna University of Technology, Institute of Solid State Physics, zocco@ifp.tuwien.ac.at **PI:** Bühler-Paschen, S., Vienna University of Technology, Institute of Solid State Physics, paschen@ifp.tuwien.ac.at **Category:** Kondo/Heavy Fermion Systems **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 |
| [**420**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=420) |  **Title:** Ce3Bi4Pt3 and Ce3Bi4Pd3 in Pulsed Fields **First Author:** Zocco, D.A., Vienna University of Technology, Institute of Solid State Physics, zocco@ifp.tuwien.ac.at **PI:** Bühler-Paschen, S., Vienna University of Technology, Institute of Solid State Physics, paschen@ifp.tuwien.ac.at **Category:** Kondo/Heavy Fermion Systems **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 |
| [**445**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=445) |  **Title:** A Study of Metamagnetism in UPt3 through High Field Magnetization **First Author:** Shivaram, B.S., University of Virginia, Physics, bss2d@virginia.edu **PI:** Shivaram, B.S., University of Virginia, Physics, bss2d@virginia.edu **Category:** Kondo/Heavy Fermion Systems **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 100 T **UCGP:** No    **VSP:** No   **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None | Approved |
| [**447**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=447) |  **Title:** A Study of Metamagnetism in UPt3 through High Field Magnetostriction **First Author:** Shivaram, B.S., University of Virginia, Physics, bss2d@virginia.edu **PI:** Shivaram, B.S., University of Virginia, Physics, bss2d@virginia.edu **Category:** Kondo/Heavy Fermion Systems **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 100 T **UCGP:** No    **VSP:** No   **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None | Approved |
| [**453**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=453) |  **Title:** Magnetoelastic signatures for a bulk gap in Ce3Bi4Pt3 Kondo insulator **First Author:** Rosa, PFS, Los Alamos National Laboratory, MPA-CMMS, pfsrosa@lanl.gov **PI:** Rosa, PFS, Los Alamos National Laboratory, MPA-CMMS, pfsrosa@lanl.gov **Category:** Kondo/Heavy Fermion Systems **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 60 T **UCGP:** **Yes**    **VSP:** No   **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None | Approved |
| [**454**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=454) |  **Title:** Quantum Oscillations in YbB12 **First Author:** Liu, H., University of Cambridge, Physics, hl477@cam.ac.uk **PI:** Lonzarich, G. G., University of Cambridge, Physics, gl238@cam.ac.uk **Category:** Kondo/Heavy Fermion Systems **Facility:** DC Field Facility **Highest Measured Field:** 45 T **UCGP:** No    **VSP:** No   **Accepted by** J. Phys.-Condens. Mat. DOI: 10.1088/1361-648X/aaa522 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None | Approved |
| [**455**](https://reporting.magnet.fsu.edu/reports/get.asp?ID=455) |  **Title:** Magnetostriction in SmB6 **First Author:** Jaime, M, Los Alamos National Laboratory, mjaime@lanl.gov **PI:** Balakrishnan, G., University of Warwick, Physics, G.Balakrishnan@warwick.ac.uk **Category:** Kondo/Heavy Fermion Systems **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 |
| **Total Reports: 16**  |

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