List Of 2014 Reports

ID#	Title, First Author, and Category	Status
236	**Title:** Quench Analysis of the NHMFL 32T All-superconducting Magnet **First Author:** Gavrilin, A.V., Florida State University, National High Magnetic Field Lab, gavrilin@magnet.fsu.edu **PI:** Weijers, H.W., Florida State University, National High Magnetic Field Lab, weijers@magnet.fsu.edu **Category:** Magnet Technology **Facility:** MS & T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: Yes, definitely** **Director's Comments:** None	Edited
16	**Title:** Record Current Density in High-Temperature Superconducting CORC Cables at 17 T **First Author:** van der Laan, D.C., Advanced Conductor Technologies and University of Colorado, Physics, daniel.vanderlaan@colorado.edu **PI:** van der Laan, D.C., Advanced Conductor Technologies and University of Colorado, Physics, daniel.vanderlaan@colorado.edu **Category:** Magnet Technology **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: Yes** **Director's Comments:** None	Edited
85	**Title:** Impact of Trapped Helium Gas Bubble on the Cooling of YBCO Coils in 32 T Magnet **First Author:** Bai, H. B., FSU, NHMFL, mst, bai@magnet.fsu.edu **PI:** Bai, H. B., FSU, NHMFL, mst, bai@magnet.fsu.edu **Category:** Magnet Technology **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Accepted by** IEEE Trans. Appl. Supercond. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
192	**Title:** Ac Losses of Rebco Pancake Coils Measured by a Calorimetric Method **First Author:** Lu, Jun, Florida State University, Florida State University, junlu@magnet.fsu.edu **PI:** Lu, Jun, Florida State University, Florida State University, junlu@magnet.fsu.edu **Category:** Magnet Technology **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Accepted by** IEEE Trans. Appl. Supercond. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
213	**Title:** Characterization of Grain Flow Microstructure in Forged Nitronic 50 Stainless Steel **First Author:** Goddard, R. E., National High Magnetic Field Laboratory-FSU, NHMFL, goddard@magnet.fsu.edu **PI:** Goddard, R. E., National High Magnetic Field Laboratory-FSU, NHMFL, goddard@magnet.fsu.edu **Category:** Magnet Technology **Facility:** MS & T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
224	**Title:** Verification Testing of ITER Nb3Sn Strand at the NHMFL **First Author:** McGuire, D. R., NHMFL, MST, mcguire@magnet.fsu.edu **PI:** Lu, J., NHMFL, MST, junlu@magnet.fsu.edu **Category:** Magnet Technology **Facility:** MS & T **UCGP:** No **VSP:** No **Accepted by** IEEE Trans. Appl. Supercond. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
288	**Title:** Comparative Study of Ic(B, 4K) for (Re)BCO, Bi-2223, and Bi-2212 Conductors From Various Sources **First Author:** Abraimov, D., NHMFL, ASC, abraimov@asc.magnet.fsu.edu **PI:** Larbalestier, D.C., NHMFL, ASC, larbalestier@asc.magnet.fsu.edu **Category:** Magnet Technology **Facility:** Applied Superconductivity Center **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: No**	Edited

	Director's Comments: None	
320	**Title:** Preliminary Analysis of Central Magnetic Field Hysteresis from Induced Screening Currents in Superconducting Coils Wound with (RE)BCO Coated Conductors **First Author:** Hilton, D.K., NHMFL-FSU, ASC / MST, dkhilton@magnet.fsu.edu **PI:** Weijers, H.W., NHMFL-FSU, MST, weijers@magnet.fsu.edu **Category:** Magnet Technology **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
451	**Title:** Measurement and Modeling of EMF Induced by an Electromagnet with a Large, High-Reluctance Air Gap **First Author:** Malone, J.B, Transportation Technology Center, jerry_malone@aar.com **PI:** Malone, J.B, Transportation Technology Center, jerry_malone@aar.com **Category:** Magnet Technology **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	Edited
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