

Pei-Chun Ho, Ph. D.

(updated on 12/10/2015)

Strongly Correlated Electron Laboratory
Department of Physics
California State University, Fresno
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Education

- ◆ **Ph.D. in Physics** (Sept., 1992 - Sept., 1997)
Department of Physics, University of California, San Diego
Dissertation: The study of fundamental excitations in low density hcp ^4He crystals
Research group of John M. Goodkind
- ◆ **M.S. in Physics** (Sept., 1991 - Sept., 1992)
Department of Physics, University of California, San Diego
- ◆ **B.S. in Physics Major and Mathematics Minor** (Sept., 1986 - Sept., 1990)
Department of Physics, National Tsing-Hua University, Hsin-Chu, Taiwan, R.O.C.

Academic Appointments and Experience

- ◆ **Associate Professor** (Aug. 19, 2013 – present)
- ◆ **Assistant Professor** (Aug. 20, 2007 – August 18, 2013)
Department of Physics, California State University, Fresno
Research in Strongly Correlated Electron Laboratory
Strongly correlated electron phenomena in rare earth related materials:
 - (1) Superconductivity, magnetism, and Interplay between the two phenomena
 - (2) Magnetism in rare earth elemental nanoclusters synthesized by the inverse micelle technique
 - (3) Development of Low-Temperature Facility and Measurement Instrumentation in the Strongly Correlated Electron Laboratory

Courses:

PHYS 4A	Mechanics and Wave Motion (Spring, 2008 – Fall, 2014)
PHYS 4AL	Laboratory in Mechanics and Wave Motion (Fall, 2007 – Spring, 2012)
PHYS 102	Modern Physics (Fall, 2010 - Fall, 2014)
PHYS 175T	Techniques for Strongly Correlated Electron Physics (Spring, 2013)
PHYS 175TS	Service Learning Course – Physics Outreach (Spring, 2011) (Later approved to be a curriculum course PHYS 168S)
PHYS 2AL	General Physics Laboratory (Fall, 2009 – Fall, 2010)
PHYS 4C	Light and Modern Physics (Fall, 2007)
NSCI 1A	Integrated Science: Physics and Chemistry - Laboratory (Spring, 2008)
PHYS 190	Independent Study for Undergraduate: Research Participation in Strongly-Correlated-Electron-Physics Program (Spring, 2008 – present)
PHYS 290	Independent Study for MS-Program Student: Research Participation in the Strongly-Correlated-Electron-Physics Program (Fall, 2007 – Spring, 2012)
- ◆ **Assistant Project Scientist, Step II** (Jul. 01, 2006 – Jun. 30, 2007)
Institute for Pure and Applied Physical Sciences, University of California, San Diego
Research group of M. Brian Maple
Research area: Strongly correlated electron phenomena in rare earth, actinide intermetallics, and other novel materials by electrical resistivity, specific heat, magnetic susceptibility and magnetization in high magnetic fields.

- ◆ **Physics Course Instructor** (Jul. 03 - Sept.09, 2006)
Department of Physics, University of California, San Diego
“Waves, Optics, and Modern Physics” for life science majors (Summer session I and II)
- ◆ **Assistant Project Scientist, Step I** (Jan. 01, 2005 - Jun. 30, 2006)
Institute for Pure and Applied Physical Sciences, University of California, San Diego
Research group of M. B. Maple
- ◆ **Teaching assistant** (Mar. - Jun., 2006)
Department of Physics, University of California, San Diego
“Senior Advanced Undergraduate Laboratory: Condensed Matter Physics - Materials Science”
for physics majors (Spring quarter)
- ◆ **Physics Course Instructor** (Jun. 25 - Aug. 02, 2005)
Department of Physics, University of California, San Diego
“Waves, Optics, and Modern Physics” for life science majors (Summer session I)
- ◆ **Teaching assistant** (Mar. - Jun., 2005)
Department of Physics, University of California, San Diego
“Senior Advanced Undergraduate Laboratory: Condensed Matter Physics - Materials Science”
for physics majors (Spring, 2005)
- ◆ **Postgraduate Researcher, Step III to VII** (Jan., 2001 - Dec., 2004)
Institute for Pure and Applied Physical Sciences, University of California, San Diego
Research group of M. Brian Maple
- ◆ **Postdoctoral Research Associate** (Sept., 1997 - Dec., 2000)
Low Temperature Laboratory, University of Massachusetts, Amherst.
Research group of Robert B. Hallock
Research project: “ ^3He correlations in ^3He - ^4He mixture films by specific heat measurements”
- ◆ **Lecturer** (Sept., 1997 - Aug., 1999)
Department of Physics and Astronomy, University of Massachusetts, Amherst
“Intro. Physics II” for life science major (Spring semester)
- ◆ **Research Assistant** (Jul., 1992 - Sept., 1997).
Department of Physics, University of California, San Diego
Research group of J. M. Goodkind
Research area: “fundamental excitations in low density hcp ^4He crystals (supersolid)”
- ◆ **Teaching Assistant** (1991 - 1997)
Department of Physics, University of California, San Diego
“General Physics tutor - Self Paced” for biology and chemistry majors (Summer, 1997)
“General Physics lab instructor - Electricity & Magnetism & Optics” for biology and chemistry majors
(Spring, 1995)
“Physics lab instructor - Mechanics & Electrostatics” for physical science and engineering majors
(Spring, 1993)
“Physics grader - Electricity & Magnetism” for biology and chemistry majors (Spring, 1992)
“Physics grader - Mechanics” for biology and chemistry majors (Fall, 1991 and Winter, 1992)
- ◆ **Research Assistant** (Sept., 1990 - Jul., 1991)
The National Science Council of the Republic of China, Taiwan.
Research area: high T_c copper-oxide superconductors
- ◆ **Teaching Assistant** (1990 - 1991)
Department of Physics, National Tsing-Hua University, Hsin-Chu, Taiwan, R.O.C.
“Introduction to Solid State Physics” for physics majors (Fall, 1990)

Committee and Service Experience

- ◆ **Undergraduate Advisor, Department of Physics, California State University, Fresno**
(December 1, 2011 - present)
- ◆ **College Research Committee, College of Science and Mathematics, California State University, Fresno** (September 1, 2012 – August 31, 2015)
- ◆ **University General Education Committee, California State University, Fresno**
(November 23, 2011 – November 22, 2014)
- ◆ **Physics Outreach Committee at Department of Physics, California State University, Fresno**
(April 20, 2008 - present)
- ◆ **Biomedical Physics Faculty Search Committee at Department of Physics, California State University, Fresno** (Academic Year 2013-14)
- ◆ **College Academic Policies Committee, College of Science and Mathematics, California State University, Fresno** (August 25, 2009 – August 31, 2012)
- ◆ **QFS98 Local Committee at the University of Massachusetts, Amherst** (June 9 - 14, 1998)
QFS98 – International Symposium on Quantum Fluids and Solids, Amherst, Massachusetts, USA

Community Service

- ◆ **“Hands-On Fun with Physics,” Outreach Program at Downing Planetarium and Science Museum, Fresno, California** (Fall, 2011 – present)
- ◆ **Physics Outreach Road Shows for Local K-12 Schools at Fresno, California:**
Ahwahnee Middle School: 2/11/2011; Cesar Chavez High in Daleno: 3/11/2011; Kermit Koontz Education Complex: 4/15/2011 (Fresno-State-Vintage-Day Visit); Leavenworth Elementary: 3/18/2011; Lincoln Elementary School in Dinuba: 2/25/2011; Manchester Gate: 1/28/2011, 9/3/2010, 4/22/2010, 2/11/2010; Sierra Charter School: 4/1/2011; Tehipite Middle School: 4/8/2011; Wawona Middle School: 2/18/2-011; Wolters Elementary: 2/4/2011; Redwood High School: 5/18/2010; Red Bank Elementary: 5/26/2010;. Clark Intermediate School: 2/18/2010.
- ◆ **Judge for the 56th Annual Central California Regional Science, Engineering, and Mathematics Fair, Fresno, CA** (March 23, 2009) - the Senior Division in the Physics category

Awards and Grants

- National Science Foundation Material Research Award DMR-1506677, “Renewal of RUI: Investigation of Strongly Correlated Electron Behavior in Rare Earth Related Materials” (\$307,198, September 1, 2015 - August 31, 2018)
- National Science Foundation Material Research Award DMR-1104544, “RUI: Investigation of Strongly Correlated Electron Behavior in Rare Earth Related Materials” (\$255,000, June 15, 2011-May 31, 2015)
- Research Corporation Cottrell College Science Award No. 7669, “The Effect of Neodymium Substitution on the Properties of $\text{PrOs}_4\text{Sb}_{12}$ ” (\$45,000, July 1, 2008 - December 31, 2010)
- University (i.e., Provost) Award for Research, Scholarship, and Creative Activity – 3 WTU, California State University, Fresno (Spring of AY 2013-14, Spring of AY 2012-13, Fall of AY 2010-11, Fall of AY 2009-10)
- College Award for Scholarly and Creative Activity Release Time – California State University, Fresno (3 WTU-Equivalent Summer Stipend of AY 2013-14, 3 WTU in Fall of AY 2011-12, 2 WTU in Spring of AY 2010-11, 3 WTU in Spring of AY 2009-10, 3 WTU in Spring of AY 2008-09)
- Performance Award, California State University, Fresno (AY 2014-15, AY 2013-14, AY 2012-13, AY 2011-12, AY 2010-11, Spring/2010, AY 2008-09, AY 2007-08)

- California State University, Fresno, Service-Learning Curriculum Development Grant \$5,000, “PHYS 168S Service-Learning Course - Physics Outreach” (Spring, 2011)
- Regents tuition and fee scholarship, University of California at San Diego, (academic year 1991-1992, Spring 1993, Spring 1995)
- The Academic Achievement Award, National Tsing-Hua University (Feb. 1990)
- The Academic Achievement Award, National Tsing-Hua University (Sept. 1989)
- The Japan Dai-Ichi Kangyo Bank Scholarship (Sept. 1989)
- Mrs. Ju-Pao Li Hwang Scholarship for Physics Major, National Tsing-Hua University (Feb. 1989)
- Chinese Culture and Natural Science Scholarship (Sept. 1988).
- Mr. Shang-Keng Ma Memorial Scholarship for Physics Major, National Tsing-Hua University (Feb. 1988)
- Chinese Culture and Natural Science Scholarship (Sept. 1987).
- Mrs. Ju-Pao LiHwang Scholarship for Physics Majors, National Tsing-Hua University (Feb, 1987)
- Mr. Lin, Shyong Jeng Memorial Scholarship, National Tsing-Hua University (Feb. 1987 – Jun. 1990)

Affiliation

- ◆ American Physical Society
- ◆ California Faculty Association
- ◆ Fresno State’s Asian Faculty and Staff Association

Biographical Information

- ◆ Citizenship: The United States of America
Taiwan, the Republic of China
- ◆ Gender: Female
- ◆ Marital status: Single

Publication List of Pei-Chun Ho

(In reverse chronological order, updated on 11/24/2015)

1. Benjamin White, Duygu Yazici, Pei-Chun Ho, Noravee Kanchanavatee, Naveen Pouse, Yuankan Fang, Alexander Breindel, Aaron Friedman, Brian Maple, "Weak hybridization and isolated localized magnetic moments in the compounds CeT_2Cd_{20} ($T = Ni, Pd$)," *Journal of Physics: Condensed Matter* **27**, 315602 (2015).
2. Maya M. Castro De La Torre, Ryan Fukuda, Faculty Advisor: Pei-Chun Ho, "Synthesis and characterization of neodymium nanoparticles," *Proceedings of National Conference on Undergraduate Research (NCUR) 2014*, 994 (2014). [Student Publication from PCH Lab]
3. L. Shu, D. E. MacLaughlin, C. M. Varma, O. O. Bernal, P.-C. Ho, R. H. Fukuda, X. P. Shen, and M. B. Maple, "Landau renormalizations of superfluid density in the heavy fermion superconductor $CeCoIn_5$," *Physical Review Letter* **113**, 166401(2014). [Publication with Undergraduate Student R. H. Fukuda]
4. D. Yazici, B. D. White, P.-C. Ho, N. Kanchanavatee, K. Huang, A. J. Friedman, A. S. Wong, V. W. Burnett, N. R. Dilley, and M. B. Maple, "Investigation of magnetic order in $SmTr_2Zn_{20}$ ($Tr = Fe, Co, Ru$) and $SmTr_2Zn_{20}$ ($Tr = Ni, Pd$)," *Physical Review B* **90**, 144406 (2014).
5. S. Jang, B. D. White, P.-C. Ho, N. Kanchanavatee, M. Janoschek, J. J. Hamlin, M. B. Maple, "Crossover between Fermi liquid and non-Fermi liquid behavior in the non-centrosymmetric compound $Yb_2Ni_{12}P_7$," *Journal of Physics: Condensed Matter* **26**, 425601 (2014).
6. P.-C. Ho, D. E. MacLaughlin, L. Shu, O. O. Bernal, S. Zhao, A. A. Dougraghi, T. Yanagisawa, M. B. Maple, and R. H. Fukuda, "Muon spin rotation and relaxation in $Pr_{1-x}Nd_xOs_4Sb_{12}$: paramagnetic states," *Physical Review B* **89**, 235111 (2014). [Publication with Undergraduate Student R. H. Fukuda]
7. D. E. MacLaughlin, P.-C. Ho, L. Shu, O. O. Bernal, S. Zhao, A. A. Dougraghi, T. Yanagisawa, M. B. Maple, and R. H. Fukuda, "Muon spin rotation and relaxation in $Pr_{1-x}Nd_xOs_4Sb_{12}$: magnetic and superconducting ground states," *Physical Review B* **89**, 144419 (2014). [Publication with Undergraduate Student R. H. Fukuda]
8. K. Huang, L. Shu, I. K. Lum, B. D. White, M. Janoschek, D. Yazici, J. J. Hamlin, D. A. Zocco, P.-C. Ho, R. E. Baumbach, and M. B. Maple, "Probing the Unconventional Superconductivity of $PrPt_4Ge_{12}$ through Ce substitution," *Physical Review B* **89**, 035145 (2014).
9. Hank Anderson, Ulises Urbina, Faculty Advisor: Pei-Chun Ho, "Constructing a Relaxation Calorimeter," *Proceedings of National Conference on Undergraduate Research (NCUR) 2013*, Page 488-496 (Open Access) <http://www.ncurproceedings.org/ojs/index.php/NCUR2013/article/view/616/438> [Student manuscript from PCH Lab]
10. Ryan H. Fukuda, Smitha Sunny, Faculty Advisor: Pei-Chun Ho, "Testing of an AC magnetic susceptometer," *Proceedings of National Conference on Undergraduate Research (NCUR) 2012*, Page 299-304 (Open Access) [Student Publication from PCH Lab]
11. R. E. Baumbach, J. J. Hamlin, P.-C. Ho, I. K. Lum, and M. B. Maple, "Superconducting and magnetic anisotropy of $LnFePO$ ($Ln = La, Pr, and Nd$) single crystals," *Physical Review B* **85**, 104526 (2012).
12. Carmin Liang, Dulce Romero, Jussi Amaral, Faculty Advisor: Pei-Chun Ho, Acknowledgements: Saeed Attar, Dennis Margosan, "Synthesis and characterization of rare-earth gadolinium nanoparticles," *Proceedings of National Conference on Undergraduate Research (NCUR) 2011*, Page 334-340, Ithaca College, March 31 – April 2, 2011. [Student Publication from PCH Lab]
13. L. Shu, R. E. Baumbach, M. Janoschek, E. Gonzales, K Huang, T. A. Sayles, J. Paglione, J. O'Brien, J. J. Hamlin, D. A. Zocco, P.-C. Ho, C. A. McElroy, and M. B. Maple, "Correlated electron state in $Ce_{1-x}Yb_xCoIn_5$ stabilized by cooperative valence fluctuations," *Physical Review Letters* **106**, 156403 (2011).
14. T. Yanagisawa, Y. Ikeda, H. Saito, H. Hidaka, H. Amistuka, K. Araki, M. Akatsu, Y. Nemoto, T. Goto, P.-C. Ho, R. E. Baumbach, and M. B. Maple, "Magnetic-field-independent ultrasonic dispersions due to rattling in

- magnetically robust heavy fermion system $\text{SmOs}_4\text{Sb}_{12}$,” *Journal of the Physical Society of Japan* **80**, 043601 (2011).
15. P.-C. Ho, T. Yanagisawa, W. M. Yuhasz, A. A. Dooraghi, C. C. Robison, N. P. Butch, R. E. Baumbach, and M. B. Maple, “Superconductivity, magnetic order, and quadrupolar order in the filled skutterudite system $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$,” *Physical Review B* **83**, 024511 (2011) [Editors’ Suggestion].
 16. P.-C. Ho, J. Singleton, M. B. Maple, D. B. Shrekenhamer, X. Lee, A. Thale, and T. Yanagisawa, “Shubnikov-de Haas Effect Measurements on $\text{CeOs}_4\text{Sb}_{12}$ for Fields along [001],” National High Magnetic Field Laboratory 2010 Research Reports # 131 (2010).
 17. P.-C. Ho, J. Singleton, M. B. Maple, P. Goddard, and T. Yanagisawa, Shubnikov-de Haas Effect Measurements on $\text{NdOs}_4\text{Sb}_{12}$ for Fields along [001] and [011],” National High Magnetic Field Laboratory 2010 Research Reports #116 (2010).
 18. N. Kurita, H.-O. Lee, Y. Tokiwa, C. F. Miclea, E. D. Bauer, F. Ronning, J. D. Thompson, Z. Fisk, P.-C. Ho, M. B. Maple, P. Sengupta, I. Vekhter, and R. Movshovich, “Thermal and magnetic properties of the low-temperature antiferromagnet $\text{Ce}_4\text{Pt}_{12}\text{Sn}_{25}$,” *Physical Review B* **82**, 174426 (2010).
 19. T. A. Sayles, R. E. Baumbach, W. M. Yuhasz, M. B. Maple, Ł. Bochenek, R. Wawryk, T. Cichorek, A. Pietraszko, Z. Henkie, and P.-C. Ho, “Superconductivity and crystalline electric field effect in the Pr filled skutterudite compound $\text{PrRu}_4\text{As}_{12}$,” *Physical Review B* **82**, 104513 (2010).
 20. J. Thompson, U. Urbina, Faculty Advisor: P.-C. Ho, “Constructing a multiplexer (scanner),” *Proceedings on National Conference on Undergraduate Research (NCUR) 2010*, Page 513-519, University of Motanan-Missoula, April 15-17, 2010. [Student Publication from PCH Lab]
 21. R. E. Baumbach, J. J. Hamlin, L. Shu, D. A. Zocco, J. O’Brien, P.-C. Ho, and M. Brian Maple, “Unconventional T-H phase diagram in the noncentrosymmetric compound $\text{Yb}_2\text{Fe}_{12}\text{P}_7$,” *Physical Review Letters* **105**, 106403 (2010).
 22. C. C. Beedle, J. J. Henderson, P.-C. Ho, T. Sayles, M. Nakano, J. R. O’Brien, K. J. Heroux, E. del Barco, M. B. Maple, and D. N. Hendrickson, “Ferromagnetic ordering and simultaneous fast magnetization tunneling in a Ni_4 single-molecule magnet,” *Inorganic Chemistry* **49**, 5780 (2010).
 23. D. Coffey, M. DeMarco, P.-C. Ho, M. B. Maple, T. Sayles, J. W. Lynn, Q. Huang, S. Toorongian, and M. Haka, “Absence of the hyperfine magnetic field at the Ru site in ferromagnetic rare-earth intermetallics,” *Physics Review B* **81**, 184404 (2010).
 24. H.-O. Lee, N. Kurita, P.C. Ho, C. L. Condron, P. Klavins, S. M. Kauzlarich, M. B. Maple, R. Movshovich, E. D. Bauer, J. D. Thompson, and Z. Fisk, “Weak coupling magnetism in $\text{Ce}_4\text{Pt}_{12}\text{Sn}_{25}$: a small exchange limit in the Doniach phase diagram,” *Journal of Physics: Condensed Matter* **22**, 065601 (2010).
 25. T. Yanagisawa, T. Mayama, H. Hidaka, H. Amitsuka, A. Yamaguchi, K. Araki, Y. Nemoto, T. Goto, N. Takeda, P.-C. Ho, and M. B. Maple, “Ultrasonic investigation of off-center rattling in $\text{Pr}_{0.55}\text{Nd}_{0.45}\text{Os}_4\text{Sb}_{12}$,” *Proceedings of the International Conference on Strongly Correlated Electron Systems, Physica B* **404**, 3235 - 3237 (2009).
 26. M. M. Qazilbash, M. Brehm, G. O. Andreev, A. Frenzel, P.-C. Ho, B.-G. Chae, B.-J. Kim, S. J. Yun, H.-T. Kim, A. V. Balatsky, O. G. Shpyrko, M. B. Maple, F. Keilmann, and D.N. Basov, “Infrared spectroscopy and nano-imaging of the insulator-to-metal transition in vanadium dioxide,” *Physical Review B* **79**, 075107 (2009).
 27. P.-C. Ho, J. Singleton, M. B. Maple, P. Goddard, T. Yanagisawa, “High-field de Haas-van Alphen investigation of the filled skutterudite compound $\text{NdOs}_4\text{Sb}_{12}$,” 2008 Research Reports for Pulsed Field Facility at LANL, Report number 242 (2008).
<http://www.magnet.fsu.edu/usershub/publications/researchreportsonline.aspx>
 28. J. Paglione, P.-C. Ho, M. B. Maple, M.A. Tanatar, L. Taillefer, Y. Lee, C. Petrovic, “Ambient-pressure bulk superconductivity deep in the magnetic state of CeRhIn_5 ,” *Physical Review B* **77**, 100505(R) (2008).

29. T. Yanagisawa, Y. Yasumoto, Y. Nemoto, T. Goto, W. M. Yuhasz, P.-C. Ho, M. B. Maple, Z. Henkie, A. Pietraszko, "Quadrupole effect in the filled skutterudite compound $\text{PrOs}_4\text{As}_{12}$," Proceeding of International Conference on New Quantum Phenomena in Skutterudite and Related Systems (Skutterudite 2007), *Journal of Physical Society of Japan* **77 Suppl. A**, 225 (2008).
30. Z. Henkie, M. B. Maple, A. Pietraszko, R. Wawryk, T. Cichork, R. E Baumbach, W. M. Yuhasz, and P.-C. Ho, "Crystal growth and properties of the filled skutterudite arsenides," Proceeding of International Conference on New Quantum Phenomena in Skutterudite and Related Systems (Skutterudite 2007), *Journal of Physical Society of Japan* **77 Suppl. A**, 128 (2008).
31. M. B. Maple, Z. Henkie, R. E Baumbach, T. A. Sayles, N. P. Butch, P.-C. Ho, T. Yanagisawa, W. M. Yuhasz, R. Wawryk, T. Cichork, and A. Pietraszko, "Correlated electron phenomena in Ce- and Pr-based filled skutterudite compounds," Proceeding of International Conference on New Quantum Phenomena in Skutterudite and Related Systems (Skutterudite 2007), *Journal of Physical Society of Japan* **77 Suppl. A**, 7 (2008).
32. R. E. Baumbach, P.-C. Ho, T. A. Sayles, M. B. Maple, R. Wawryk, T. Cichorek, A. Pietraszko, and Z. Henkie, "The filled skutterudite $\text{CeOs}_4\text{As}_{12}$: a hybridization gap semiconductor," *Proceeding of the National Academy of Sciences of the United States of America* **105**, 17307 (2008).
33. R. E. Baumbach, P.-C. Ho, T. A. Sayles, M. B. Maple, R. Wawryk, T. Cichorek, A. Pietraszko, and Z. Henkie, "Non Fermi liquid behavior in the filled skutterudite compound $\text{CeRu}_4\text{As}_{12}$," *Journal of Physics: Condensed Matter* **20**, 075110 (2008).
34. T. Yanagisawa, P.-C. Ho, W. M. Yuhasz, M. B. Maple, Y. Yasumoto, H. Watanabe, Y. Nemoto, and T. Goto, "Ultrasonic investigation of off-center rattling in filled skutterudite compound $\text{NdOs}_4\text{Sb}_{12}$," *Journal of Physical Society of Japan* **77**, 074607 (2008).
35. P.-C. Ho, N. P. Butch, V. S. Zapf, T. Yanagisawa, N. A. Frederick, S. K. Kim, W. M. Yuhasz, M. B. Maple, J. B. Betts, and A. H. Lacerda, "High field ordered phase and upper critical field of the filled skutterudite system $\text{Pr}(\text{Os}_{1-x}\text{Ru}_x)_4\text{Sb}_{12}$," *Journal of Physics: Condensed Matter* **20**, 215226 (2008).
36. T. Yanagisawa, W. M. Yuhasz, T. A. Sayles, P.-C. Ho, M. B. Maple, H. Watanabe, Y. Yasumoto, Y. Nemoto, T. Goto, Z. Henkie, and A. Pietraszko, "Ultrasonic investigation of field-dependent ordered phases in the filled skutterudite compound $\text{PrOs}_4\text{As}_{12}$," *Physical Review B* **77**, 094435 (2008).
37. R. Wawryk, O. Zogal, A. Pietraszko, S. Paluch, T. Cichorek, W. M. Yuhasz, T. A. Sayles, P.-C. Ho, T. Yanagisawa, N. P. Butch, M. B. Maple, and Z. Henkie, "Crystal structure, ^{139}La NMR and transport properties of the As-based filled skutterudites $\text{LaOs}_4\text{As}_{12}$ and $\text{PrOs}_4\text{As}_{12}$," *Journal of Alloys and Compounds* **451**, 454 (2008).
38. T. Yanagisawa, W. M. Yuhasz, P.-C. Ho, M. B. Maple, H. Watanabe, Y. Yasumoto, Y. Nemoto, T. Goto, "Ultrasonic dispersion due to off-center rattling in $\text{NdOs}_4\text{Sb}_{12}$," Proceeding of SCES'07, *Physica B* **403**, 735 (2008).
39. J. Singleton, P.-C. Ho, M. B. Maple, H. Harima, P.A. Goddard, and Z. Henkie, "Fermi-surface topology and field-dependent effective masses of the filled skutterudite compound $\text{PrOs}_4\text{As}_{12}$," Proceeding of SCES'07, *Physica B* **403**, 758 (2008).
40. P.-C. Ho, T. Yanagisawa, N. P. Butch, W. M. Yuhasz, C. C. Robinson, A. A. Dooraghi, and M. B. Maple, "A comparison of the normal and superconducting state properties of $\text{Pr}(\text{Os}_{1-x}\text{Ru}_x)_4\text{Sb}_{12}$ and $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$," Proceeding of SCES'07, *Physica B* **403**, 1038 (2008).
41. M. M Qazilbash, M Brehm, B. G. Chae, P.-C. Ho, G. O. Andreev, B. J. Kim, S. J. Yun, A. V. Balatsky, M. B. Maple, F. Keilmann, H. T. Kim, and D. N. Basov, "Mott transition in VO₂ revealed by infrared spectroscopy and nano-imaging," *Science* **318**, 1750 (2007).
42. M. B. Maple, Z. Henkie, W. M. Yuhasz, P.-C. Ho, T. Yanagisawa, T. A. Sayles, N. P. Butch, J. R. Jeffries, and A. Pietraszko, "Strongly correlated electron phenomena in Pr-based filled skutterudite compounds," *Journal of Magnetism and Magnetic Materials* **310**, 182 (2007).

43. J. Paglione, T. A. Sayles, P.-C. Ho, J. R. Jeffries, and M. B. Maple, "Incoherent non-Fermi-liquid scattering in a Kondo lattice," *Nature Physics* **3**, 703 (2007).
44. P.-C. Ho, J. Singleton, M. B. Maple, H. Harima, P.A. Goddard, Z. Henkie, and A. Pietraszko, "A de Haas-van Alphen study of the filled skutterudite compounds $\text{PrOs}_4\text{As}_{12}$ and $\text{LaOs}_4\text{As}_{12}$," *New Journal of Physics* **9**, 269 (2007).
45. T. Yanagisawa, W. M. Yuhasz, P.-C. Ho, M. B. Maple, H. Watanabe, T. Ueno, Y. Nemoto, T. Goto, "Quadrupolar susceptibility of $\text{NdOs}_4\text{Sb}_{12}$," Proceedings of ICM2006, *Journal of Magnetism and Magnetic Material* **310**, 223 (2007).
46. W. M. Yuhasz, P.-C. Ho, T. A. Sayles, T. Yanagisawa, N. A. Frederick, M. B. Maple, P. Rogl, and G. Giester, "Crystalline electric field effects in the filled skutterudite compound $\text{PrOs}_4\text{P}_{12}$," *Journal of Physics: Condensed Matter* **19**, 076212 (2007).
47. M. B. Maple, N. A. Frederick, P.-C. Ho, W. M. Yuhasz, T. Yanagisawa, "Unconventional superconductivity and heavy fermion behavior in $\text{PrOs}_4\text{Sb}_{12}$," *Journal of Superconductivity and Novel Magnetism* **19**, s10948 (2006).
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- 1) Benjamin White, Duygu Yazici, Pei-Chun Ho, Noravee Kanchanavatee, Naveen Pouse, Yuankan Fang, Alexander Breindel, Aaron Friedman, Brian Maple, “Weak hybridization and isolated localized magnetic moments in the compounds $\text{CeT}_2\text{Cd}_{20}$ ($T = \text{Ni, Pd}$),” submitted to *Journal of Physics: Condensed Matter* (2015).

List of Presentation Abstracts of Pei-Chun Ho

(In reverse chronological order, updated on 5/31/2015)

Invited Talks

(Presenting author underlined)

1. Pei-Chun Ho, “Investigation of Unconventional Superconductivity via Neodymium Substitution on $\text{PrOs}_4\text{Sb}_{12}$,” colloquium presentation at Department of Physics and Astronomy of California State University, Los Angeles, California, April 17, 2014.
2. Pei-Chun Ho, “Investigation of Unconventional Superconductivity via Neodymium Substitution on $\text{PrOs}_4\text{Sb}_{12}$,” colloquium presentation at Department of Physics of California State University, Dominguez Hills, California, April 9, 2013.
3. Pei-Chun Ho, “Unconventional Superconductivity in the Filled Skutterudite Compound $\text{PrOs}_4\text{Sb}_{12}$ and the Related Doping Study in $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$ System,” colloquium presentation at Department of Physics of California Polytechnic State University, San Luis Obispo, California, November 10, 2011.
4. Pei-Chun Ho, “Unconventional Superconductivity in the Filled Skutterudite Compound $\text{PrOs}_4\text{Sb}_{12}$ and the Related Doping Study in $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$ System,” colloquium presentation at Department of Physics, California State Polytechnic University, Pomona, California, September 29, 2011.
5. Pei-Chun Ho, “Study of unconventional superconductivity in $\text{PrOs}_4\text{Sb}_{12}$ via substitution of Nd,” colloquium presentation at Sonoma State University, Rohnert Park, California, Nov. 15, 2010.
6. Pei-Chun Ho, “Application of inverse micelle technique in synthesis of rare earth nanoclusters,” colloquium presentation at Fresno City College, Fresno, California, November 13, 2009.
7. Pei-Chun Ho, T. Yanagisawa, M. B. Maple, W.M. Yuhasz, A. A. Dooraghi, C. C. Robinson, and N. P. Butch, “Effect of ferromagnetism on unconventional superconductivity in the $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$ system,” **International Symposium for Young Scientists on Physics of Strongly Correlated Electrons**, Hokkaido University, Sapporo, Japan, Aug. 26, 2009.
8. Pei-Chun Ho, “Investigation of Strongly Correlated Electron behavior in rare earth materials,” colloquium presentation at California State University, Fresno, California, March 6, 2009.
9. Pei-Chun Ho, “Study of unconventional superconductivity in $\text{PrOs}_4\text{Sb}_{12}$ via chemical substitution,” colloquium presentation at California State University, Humboldt, California, Sept. 8, 2008.
10. Pei-Chun Ho, “Study of unconventional superconductivity in $\text{PrOs}_4\text{Sb}_{12}$ via chemical substitution,” colloquium presentation at Fresno City College, Fresno, California, Apr. 4, 2008.
11. Pei-Chun Ho, W. M. Yuhasz, N. A. Frederick, T. Yanagisawa, N. P. Butch, T. A. Sayles, J. R. Jeffries, M. B. Maple, “Physical properties of $\text{NdOs}_4\text{Sb}_{12}$ and the effects of Nd substitution on the superconductivity of $\text{PrOs}_4\text{Sb}_{12}$,” Joint workshop on evolution of new quantum phenomena realized in the filled skutterudite structure and new phases of matter under multiple extreme conditions (**Joint Workshop on NQP-skutterudites and New phases of Matter-MEC**), November 21-24, 2005, Tokyo University Metropolitan University, Hachioji, Tokyo.
12. Pei-Chun Ho, W. M. Yuhasz, N. A. Frederick, N. P. Butch, T. A. Sayles, J. R. Jeffries, M. B. Maple, J. B. Betts, and A. H. Lacerda, “Heavy fermion and ferromagnetic behavior in filled skutterudite compounds $\text{NdOs}_4\text{Sb}_{12}$ and $\text{SmOs}_4\text{Sb}_{12}$,” **the 16th American Conference on Crystal Growth and Epitaxy (ACCGE-16)**, July 10-15, 2005, Big Sky, Montana, ACCGE-16 Abstract Book, page 161 (2005).
13. Pei-Chun Ho, “Strongly-correlated-electron behaviors in the filled skutterudite f-electron compounds,” Special Condensed Matter Seminar, Florida State University, Tallahassee, April 6, 2004.

Contributed Talks and Posters

(Presenting author underlined)

1. Taylor McCullough-Hunter, Shoji Hishida, Pei-Chun Ho, Brian Maple, Tatsuya Yanagisawa, “Investigation into doped filled skutterudite $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$ using finite heat-pulse relaxation calorimetry,” oral presentation at **36th Annual Central California Research Symposium**, Session I, 2:15 p.m.- 2:30 p.m., April 22, California State University, Fresno (2015). [Student Presentation from PCH Lab]
2. E. I. Paredes Aulestia, R. H. Fukuda, M. M. Castro De La Torre, P.-C. Ho, S. Attar, M. Golden, D. Margosan, “Synthesis and Characterization of rare earth nanoparticles in a non-aqueous environment,” oral presentation at **36th Annual Central California Research Symposium**, Session I, 1:45 p.m.- 2:00 p.m., April 22, California State University, Fresno (2015). [Student Presentation from PCH Lab]
3. Shoji Hishida, Taylor McCullough-Hunter, Pei-Chun Ho, Brian Maple, Tatsuya Yanagisawa, “Specific heat measurements of the filled skutterudite $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$ using relaxation calorimetry,” poster presentation at **36th Annual Central California Research Symposium**, Poster Session III: 1:00 p.m.-2:30 p.m., Poster Space 15, April 22, California State University, Fresno (2014). [Student Presentation from PCH Lab]
4. Arnold Muradyan, Taylor McCullough-Hunter, Pei-Chun Ho, “Development of a thermopower probe,” poster presentation at **36th Annual Central California Research Symposium**, Poster Session I: 9:00 a.m.- 10:30 a.m., Poster Space 18, April 22, California State University, Fresno (2015). [Student Presentation from PCH Lab]
5. Benjamin White, Duygu Yazici, Pei-Chun Ho, Noravee Kanchanavatee, Naveen Pouse, Aaron Friedman, and M. Brian Maple, “Weak hybridization and isolated localized magnetic moments in the compounds $\text{CeT}_2\text{Cd}_{20}$ (T = Ni, Pd),” contributed talk at **2015 APS March Meeting**, Mar. 2-6, San Antonio, Texas, Abstract # S29.00008 (2015).
6. Duygu Yazici, B. D. White, P.-C. Ho, N. Kanchanavatee, K. Huang, N. R. Dilley, and M. B. Maple, “Investigation of magnetic order in $\text{SmTr}_2\text{Zn}_{20}$ ($Tr = \text{Fe, Co, Ru}$) and $\text{SmTr}_2\text{Cd}_{20}$ ($Tr = \text{Ni, Pd}$),” contributed talk at **2015 APS March Meeting**, Mar. 2-6, San Antonio, Texas, Abstract # Q29.00001 (2015).
7. P.-C. Ho, J. Singleton, F. F. Balakirev, M. B. Maple, and T. Yanagisawa, “Shubnikov-de Haas Oscillations of filled skutterudite compounds $\text{CeOs}_4\text{Sb}_{12}$ and $\text{NdOs}_4\text{Sb}_{12}$,” contributed talk at **2015 APS March Meeting**, Mar. 2-6, San Antonio, Texas, Abstract # Q22.00010 (2015).
8. Lei Shu, D.E. MacLaughlin, C.M. Varma, O.O. Bernal, P.-C. Ho, R.H. Fukuda, X.P. Shen, M.B. Maple, “Landau renormalization of superfluid density in the heavy-fermion superconductor CeCoIn_5 ,” contributed talk at **2015 APS March Meeting**, Mar. 2-6, San Antonio, Texas, Abstract # M22.00002(2015). [Undergraduate student Ryan Fukuda from PCH Lab coauthored this presentation]
9. Taylor McCullough-Hunter, Shoji Hishida, Pei-Chun Ho, Brian Maple, Tatsuya Yanagisawa, “Measurement of specific heat of $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$ from 11K-300K,” contributed talk at **2015 APS March Meeting**, Mar. 2-6, San Antonio, Texas, Abstract # D4.00014 (2015). [Student Presentation from PCH Lab]
10. E. I. Paredes Aulestia, R. H. Fukuda, M. M. Castro De La Torre, P.-C. Ho, S. Attar, M. Golden, D. Margosan, “Synthesis and Characterization of rare earth nanoparticles in a non-aqueous environment,” contributed talk at **2015 APS March Meeting**, Mar. 2-6, San Antonio, Texas, Abstract # D4.00008 (2015). [Student Presentation from PCH Lab]
11. A. F. Vargas, R. Fukuda, N. Soliz, and P.-C. Ho, “Thermopower Puck for Measurements of Thermodynamic Properties,” poster presentation at **Graduate Research & Creative Activities Symposium**, Session I, 1:15 p.m., May 1, California State University, Fresno (2014). [Student Presentation from PCH Lab]
12. A. F. Vargas, R. Fukuda, N. Soliz, and P.-C. Ho, “Thermopower Puck for Measurements of Thermodynamic Properties,” poster presentation at **35th Annual Central California Research Symposium**, Session II, 11:00 a.m., April 24, California State University, Fresno (2014). [Student Presentation from PCH Lab]

13. M. Castro De La Torre, R. Fukuda, and P.-C. Ho, "Synthesis and Characterization of Neodymium Nanoparticles," contributed talk at **35th Annual Central California Research Symposium**, Session C, 9:30 a.m., April 24, California State University, Fresno (2014). [Student Presentation from PCH Lab]
14. R. H. Fukuda, M. Castro, P.-C. Ho, S. Attar, M. Golden, and D. Margosan, "Nonaqueous Synthesis of Gadolinium and Neodymium Nanoparticles," poster presentation at **35th Annual Central California Research Symposium**, Poster Session II, Poster (9), April 24, California State University, Fresno (2014). [Student Presentation from PCH Lab]
15. T. McCullough-Hunter, P.-C. Ho, M. B. Maple, T. Yanagisawa, "Specific Heat of $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$ from 10 K to ~300 K", poster presentation at **35th Annual Central California Research Symposium**, Poster Session 2, 11:00 am-12:30 pm, April 24, California State University, Fresno (2014). [Student Presentation from PCH Lab]
16. M. Castro De La Torre, R. Fukuda, and Advisor P.-C. Ho, "Synthesis and Characterization of Neodymium Nanoparticles," contributed talk at **National Conferences on Undergraduate Research 2014**, University of Kentucky, Lexington, Kentucky, April 3-5 (2014). [Student Presentation from PCH Lab]
https://ncurdb.cur.org/ncur2014/search/display_ncur.aspx?id=83681
17. K. Huang, L. Shu, I. Lum, B. b. White, M. Janoschek, D. Yazici, J. J. Hamlin, D. A. Zocco, P.-C. Ho, R. E. Baumbach, and M. B. Maple, "Probing the unconventional superconductivity of $\text{PrPt}_4\text{Ge}_{12}$ through Ce substitution," contributed talk at **2014 APS March Meeting**, March 3-7, Denver, Colorado, Abstract# Q48.00013 (2014).
18. R. Fukuda, M. Castro De La Torre, P.-C. Ho, S. Attar, M. Golden, and D. Margosan, "Nonaqueous synthesis of gadolinium and neodymium," poster presentation at **2014 APS March Meeting**, March 3-7, Denver, Colorado, Abstract# H1.00037 (2014). [Student Presentation from PCH Lab]
19. A. Vargas, R. Fukuda, N. Soliz, and P.-C. Ho, "Thermopower puck for measurement of thermodynamic properties", poster presentation at **2014 APS March Meeting**, March 3-7, Denver, Colorado, Abstract# H1.00031 (2014). [Student Presentation from PCH Lab]
20. T. McCullough-Hunter, T. Nichols, H. Anderson, P.-C. Ho, M. B. Maple, and T. Yanagisawa, "Specific Heat of $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$ near 300K," poster presentation at **2014 APS March Meeting**, March 3-7, Denver, Colorado, Abstract# H1.00030 (2014). [Student Presentation from PCH Lab]
21. P.-C. Ho, J. Singleton, F. F. Balakirev, M. B. Maple, and T. Yanagisawa, "Angle dependence of Shubnikov-de Haas effect of $\text{CeOs}_4\text{Sb}_{12}$ and $\text{NdOs}_4\text{Sb}_{12}$," poster presentation at **2014 APS March Meeting**, March 3-7, Denver, Colorado, Abstract# C1.00078 (2014).
22. Maya Castro De La Torre, Ryan Fukuda, Pei-Chun Ho, Saeed Attar, Melissa Golden, and Dennis Margosan, "Synthesis and characterization of Gadolinium nanoparticles," poster presentation at **the College of Science and Mathematics Celebration of Student Research and Achievement**, Student Poster Session, May 7, California State University, Fresno (2013). [Student Presentation from PCH Lab]
23. Taylor McCullough-Hunter, Andres Felipe Vargas Quintana, and Pei-Chun Ho, "Design of a torque magnetometer," poster presentation at **the College of Science and Mathematics Celebration of Student Research and Achievement**, Student Poster Session, May 7, California State University, Fresno (2013). [Student Presentation from PCH Lab]
24. Hank Anderson, Ulises I. Urbina, Pei-Chun Ho, M. Brian Maple, Tatsuya Yanagisawa, "Relaxation calorimetry to measure heat capacities of $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$ samples," oral presentation at **5th Annual Central California Graduate Research Symposium**, Oral Presentation Session I, 2:00 – 2:15 p.m., May 2, Henry Madden Library Room 2206, California State University, Fresno (2013). [Student Presentation from PCH Lab]
25. Ryan Fukuda, Maya Castro De La Torre, Pei-Chun Ho, Melissa Golden, Saeed Attar, and Dennis Margosan, "Gadolinium nanoparticle synthesis using AOT-Methanol-Haxane Reverse Micelles," oral presentation at **5th Annual Central California Graduate Research & Creative Activities Symposium**, Oral Presentation Session I, 1:30 – 1:45 p.m., May 2, Henry Madden Library Room 2206, California State University, Fresno (2013). [Student Presentation from PCH Lab]

26. A. Felipe Vargas Quintana, Ryan Fukuda, Smitha Sunny, and Pei-Chun Ho, “Redesigning an AC magnetic susceptometer for the measurements of smaller samples,” oral presentation at **5th Annual Central California Graduate Research Symposium**, Oral Presentation Session I, 1:15 – 1:30 p.m., May 2, Henry Madden Library Room 2206, California State University, Fresno (2013). [Student Presentation from PCH Lab]
27. Taylor McCullough-Hunter, Andres Felipe Vargas Quintana, and Pei-Chun Ho, “Design of a torque magnetometer,” poster presentation at **5th Annual Central California Graduate Research Symposium**, Poster Presentation Session I, 1:15 – 2:15 p.m., May 2, Henry Madden Library 2nd Floor, California State University, Fresno (2013). [Student Presentation from PCH Lab]
28. Maya Castro De La Torre, Ryan Fukuda, Pei-Chun Ho, Saeed Attar, Melissa Golden, and Dennis Margosan, “Synthesis and characterization of Gadolinium nanoparticles,” poster presentation at **5th Annual Central California Graduate Research Symposium**, Poster Presentation Session I, 1:15 – 2:15 p.m., May 2, Henry Madden Library 2nd Floor, California State University, Fresno (2013). [Student Presentation from PCH Lab]
29. Ryan Fukuda, Maya Castro, Pei-Chun Ho, Melissa Golden, Saeed Attar, and Dennis Margosan, “Gadolinium nanoparticle synthesis using AOT-Methanol-Haxane Reverse Micelles,” contributed talk at **34th Annual Central California Research Symposium**, Session A, 12:00 p.m., April 25, California State University, Fresno (2013). [Student Presentation from PCH Lab]
30. A. Felipe Vargas Quintana, Ryan Fukuda, Smitha Sunny, and Pei-Chun Ho, “Redesigning an AC magnetic susceptometer for the measurements of smaller samples,” contributed talk at **34th Annual Central California Research Symposium**, Session B, 12:00 p.m., April 25, California State University, Fresno (2013). [Student Presentation from PCH Lab]
31. Hank Anderson, Ulises I. Urbina, Pei-Chun Ho, M. Brian Maple, Tatsuya Yanagisawa, “Relaxation calorimetry to measure heat capacities of Pr_{1-x}Nd_xOs₄Sb₁₂ samples,” contributed talk at **34th Annual Central California Research Symposium**, Session B, 12:00 p.m., April 25, California State University, Fresno (2013). [Student Presentation from PCH Lab]
32. Taylor McCullough-Hunter, Andres Felipe Vargas Quintana, and Pei-Chun Ho, “Design of a torque magnetometer,” poster presentation at **34th Annual Central California Research Symposium**, Poster Session II 12:30 p.m. – 2:30 p.m., poster # (21), April 25, California State University, Fresno (2013). [Student Presentation from PCH Lab]
33. Maya Castro De La Torre, Ryan Fukuda, Pei-Chun Ho, Saeed Attar, Melissa Golden, and Dennis Margosan, “Synthesis and characterization of Gadolinium nanoparticles,” poster presentation at **34th Annual Central California Research Symposium**, Poster Session II 12:30 p.m. – 2:30 p.m., poster # (22), April 25, California State University, Fresno (2013). [Student Presentation from PCH Lab; Maya Castro won Outstanding Science Presentation Award from American Chemical Society]
34. Hank Anderson, B. Somsanuk, Ulises I. Urbina, Advisor Pei-Chun Ho, “Constructing a Relaxation Calorimeter,” contributed talk at **National Conference on Undergraduate Research 2013**, University of Wisconsin, La Crosse, Wisconsin, April 11-13 (2013). [Student Presentation from PCH Lab]
https://ncurdb.cur.org/ncur2014/archive/Display_NCUR.aspx?id=72982
35. R. H. Fukuda, M. M. Castro, P.-C. Ho, S. Attar, M. Golden, and D. Margosan, “Reverse Micelle Synthesis of Gadolinium Nanoparticles,” contributed talk at **2013 APS March Meeting**, Mar. 18-22, Baltimore, Maryland, Abstract # G46.00001 (2013). [Student Presentation from PCH Lab; Ryan Fukuda won an award in recognition of an outstanding presentation of undergraduate research]
36. A. F. Vargas, R. Fukuda, S. Sunny, and P.-C. Ho, “Redesign of an AC Magnetic Susceptometer for Measurements in Smaller Samples,” contributed talk at **2013 APS March Meeting**, Mar. 18-22, Baltimore, Maryland, Abstract # B46.00001 (2013). [Student Presentation from PCH Lab]
37. P.-C. Ho, D. E. MacLaughlin, M. B. Maple, L. Shu, O.O. Bernal, T. Yanagisawa, “Effect of Nd substitution on PrOs₄Sb₁₂ investigated by μ SR Experiments,” contributed talk at **2013 APS March Meeting**, Mar. 18-22, Baltimore, Maryland, Abstract # J19.00014 (2013).

38. Ryan Fukuda, Maya Castro De La Torre, Pei-Chun Ho, Melissa Golden, Saeed Attar, and Dennis Margosan, "Synthesis of Gadolinium and Neodymium Nanoparticles through the Reverse Micelle Method," oral presentation at **2012 Annual Meeting of the California-Nevada Section of the American Physics Society**, November 2-3, 2012, California Polytechnic State University, San Luis Obispo, California (2012). [Student Presentation from PCH Lab]
39. Felipe Vargas, Ryan Fukuda, Smitha Sunny, and Pei-Chun Ho, "Redesign of an AC Magnetic Susceptometer for Smaller Samples," oral presentation at **2012 Annual Meeting of the California-Nevada Section of the American Physics Society**, November 2-3, 2012, California Polytechnic State University, San Luis Obispo, California (2012). [Student Presentation from PCH Lab]
40. Banchong Somsanuk, Hank Anderson, Pei-Chun Ho, M. Brian Maple, and Tatsuya Yanagisawa, "Specific Heat of $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$," oral presentation at **2012 Annual Meeting of the California-Nevada Section of the American Physics Society**, November 2-3, 2012, California Polytechnic State University, San Luis Obispo, California (2012). [Student Presentation from PCH Lab]
41. B. Somsanuk, U. I. Urbina, P.-C. Ho, M. B. Maple, and T. Yanagisawa, "Finite pulse relaxation calorimetry and specific heat of $\text{NdOs}_4\text{Sb}_{12}$," poster presentation at **CSM Celebration of Research Poster Exhibition**, May 9, hosted by the College of Science and Mathematics, California State University, Fresno (2012). [Student Presentation from PCH Lab]
42. A. Felipe Vargas, Ryan Fukuda, Smitha Sunny, and Pei-Chun Ho, "Construction and testing of an AC Magnetic Susceptometer," poster presentation at **CSM Celebration of Research Poster Exhibition**, May 9, hosted by the College of Science and Mathematics, California State University, Fresno (2012). [Student Presentation from PCH Lab]
43. B. Somsanuk, U. I. Urbina, P.-C. Ho, M. B. Maple, and T. Yanagisawa, "Finite pulse relaxation calorimetry and specific heat of $\text{NdOs}_4\text{Sb}_{12}$," poster presentation at **Graduate Research and Creative Activities Symposium**, May 3, Henry Madden Library, California State University, Fresno (2012). [Student Presentation from PCH Lab]
44. B. Somsanuk, U. I. Urbina, P.-C. Ho, M. B. Maple, and T. Yanagisawa, "Finite pulse relaxation calorimetry and specific heat of $\text{NdOs}_4\text{Sb}_{12}$," poster presentation at **2012 SPS (Society of Physics Students) Zone 18 Meeting**, California State University, Fresno, Apr. 27 - 28 (2012). [Student Presentation from PCH Lab; Banchong won the 1st prize in the poster session]
45. A. Felipe Vargas, Ryan Fukuda, Smitha Sunny, and Pei-Chun Ho, "Construction and testing of an AC Magnetic Susceptometer," poster presentation at **2012 SPS (Society of Physics Students) Zone 18 Meeting**, California State University, Fresno, Apr. 27 - 28 (2012). [Student Presentation from PCH Lab; Felipe won the 2nd prize in the poster session]
46. Ryan Fukuda, A. Felipe Vargas, Smitha Sunny, and Pei-Chun Ho, "Construction of an AC magnetic susceptometer," contributed talk at **33rd Annual Central California Research Symposium**, Session C, 9:45 a.m., April 13, California State University, Fresno (2012). [Student Presentation from PCH Lab]
47. Felipe Vargas, Ryan Fukuda, Smitha Sunny, and Pei-Chun Ho, "Construction of an AC Magnetic Susceptometer," poster presentation at **33rd Annual Central California Research Symposium**, Poster Session II, poster(9), Apr. 13, California State University, Fresno (2012). [Student Presentation from PCH Lab]
48. B. Somsanuk, U. I. Urbina, P.-C. Ho, M. B. Maple, and T. Yanagisawa, "Finite pulse relaxation calorimetry and specific heat of $\text{NdOs}_4\text{Sb}_{12}$," poster presentation at **the 33rd Annual Central California Research Symposium**, Poster Session II, poster (10), Apr. 13, California State University, Fresno (2012). [Student Presentation from PCH Lab]
49. Nicholas Soliz, and Ulises Urbina, faculty advisor Pei-Chun Ho, "Experimental Probe for Measurement of Thermodynamic Properties," contributed talk at **National Conference on Undergraduate Research 2012**, Weber State University, Ogden, Utah, March 29-31 (2012).
https://ncur.weber.edu/ncur/search/Display_NCUR.aspx?id=62570
 [Student Presentation from PCH Lab]

50. Ryan Fukuda, Smitha Sunny, and faculty advisor Pei-Chun Ho, “Testing of a First Order AC Magnetic Susceptometer,” contributed talk at **National Conference on Undergraduate Research 2012**, Weber State University, Ogden, Utah, March 29-31 (2012).
https://ncur.weber.edu/ncur/search/Display_NCUR.aspx?id=62035
 [Student Presentation from PCH Lab]
51. P.-C. Ho, R. B. Baumbach, L. Shu, M. B. Maple, S. Zhao, D. E. MacLaughlin, and T. Yanagisawa, “Evolution of the phase diagrams in the pseudoternary system $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$,” contributed talk at **2012 APS March Meeting**, Feb. 27-Mar. 2, Boston, Massachusetts, Abstract # P54.00003 (2012).
52. B. Somsanuk, U. I. Urbina, P.-C. Ho, M. B. Maple, and T. Yanagisawa, “Finite pulse relaxation calorimetry and specific heat of $\text{NdOs}_4\text{Sb}_{12}$,” poster presentation at **2012 APS March Meeting**, Feb. 27-Mar. 2, Boston, Massachusetts, Abstract # S1.00303 (2012). [Student Presentation from PCH Lab]
53. Ryan Fukuda, Smitha Sunny, and Pei-Chun Ho, “Testing of a First Order AC Magnetic Susceptometer,” contributed talk at **2011 Annual Meeting of the California-Nevada Section of the APS**, November 11-12, SLAC National Accelerator Laboratory, Menlo Park, California, Abstract # B3.00009 (2011). [Student Presentation from PCH Lab]
54. Nicholas Soliz, Ulises Urbina, and Pei-Chun Ho, “Experimental Probe for Measurement of Thermodynamic Properties,” contributed talk at **2011 Annual Meeting of the California-Nevada Section of the APS**, November 11-12, SLAC National Accelerator Laboratory, Menlo Park, California, Abstract # F3.00007 (2011). [Student Presentation from PCH Lab]
55. Max Bright, Michael Duncan, William Dunn, Brian Emerson, Jeraldo Matinez, Jussi Amaral, Simon Gonzalez, Academic Advisors: Dr. Pei-Chun Ho, Dr. Doug Singleton, Mr. Don Williams, “Fresno State Physics Outreach,” poster presentation at **2011 SPS (Society of Physics Students) Zone 18 Meeting**, May 6-7, California State Polytechnic University, Pomona, California (2011). [Student Presentation]
56. Jose Amaral, Dulce Romero, Pei-Chun Ho, Saeed Attar, Melissa Golden, and Dennis Margosan, “Synthesis and analysis of rare-earth gadolinium nanoparticles,” oral presentation at **the 3rd Annual Graduate Research and Creative Activities Symposium**, May 5, Henry Madden Library, California State University, Fresno, California (2011). [Student Presentation from PCH Lab]
57. Jose Amaral, Dulce Romero, Pei-Chun Ho, Saeed Attar, Melissa Golden, and Dennis Margosan, “Synthesis and analysis of rare-earth gadolinium nanoparticles,” contributed talk at **the 32th Annual Central California Research Symposium**, Session J, April 6, California State University, Fresno (2011). [Student Presentation from PCH Lab; Jose Amaral won "Best Science Presentation" award, sponsored by the San Joaquin Valley Section of the American Chemical Society, for the graduate student oral presentation.]
58. Carmin Liang, Dulce Romero, Jussi Amaral, Faculty Advisor: Pei-Chun Ho, “Synthesis and characterization of rare-earth gadolinium nanoparticles,” **the 25th National Conference on Undergraduate Research**, Oral Session, Ithaca College, Ithaca, New York, March 31 – April 2, 2011. [Student Presentation from PCH Lab]
59. P.-C. Ho, R. E. Baumbach, A. A. Dooraghi, M. B. Maple, and T. Yanagisawa, “Shubnikov-de Haas effect measured on single crystals of $\text{CeOs}_4\text{Sb}_{12}$ and $\text{NdOs}_4\text{Sb}_{12}$ along the high symmetry directions,” poster presentation at **2011 APS March Meeting**, March 21-25, Dallas, Texas, Abstract #H22.00004 (2011).
60. P.-C. Ho, R. E. Baumbach, A. A. Dooraghi, M. B. Maple, and T. Yanagisawa, “Evolution of Power-Law Behavior of Temperature Dependence of Electrical Resistivity in $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$,” poster presentation at **2011 APS March Meeting**, March 21-25, Dallas, Texas, Abstract #K1.00288 (2011).
61. Jose Amaral, Carmin Liang, Dulce Romero, P.-C. Ho, Saeed Attar, Dennis Margosan, “Synthesis and Analysis of Rare-Earth Nanoparticles Gd and Nd,” poster presentation at **2011 APS March Meeting**, March 21-25, Dallas, Texas, Abstract #K1.00183 (2011). [Student Presentation from PCH Lab]
http://www.spsnational.org/meetings/reports/2011/aps_march_amaral.htm
62. R. E. Baumbach, L. Shu, M. Janoschek, E. Gonzales, K Huang, T. A. Sayles, J. J. Hamlin, D. A. Zocco, C. A. McElroy, M. B. Maple, J. Paglione, P.-C. Ho, and J. R. O’Brien, “Cooperative intermediate valence and anomalous stability of the Kondo lattice in $\text{Ce}_{1-x}\text{Yb}_x\text{CoIn}_5$,” poster presentation at **2011 APS March Meeting**, March 21-25, Dallas, Texas, Abstract #B22.00010 (2011).

63. Jose Amaral, Ducle Romero, Carmin Liang, P.-C. Ho, Saeed Attar, Dennis Margosan, “Synthesis and Analysis of Rare-Earth Nanoparticles Gd and Nd,” contributed talk at **2010 Annual Meeting of the California-Nevada Section of the APS**, October 29-30, California Institute of Technology, Pasadena, CA, Abstract # H1.00012 (2010). [Student Presentation from PCH Lab; Jose Amaral won “Margaret Burbidge Award - 2nd Place” for Experimental Research by a Graduate Student]
64. P.-C. Ho, M. B. Maple, R. E. Baumbach, and T. Yanagisawa, “Non Fermi liquid behavior in the $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$ system” changed to “Evolution of Power-Law Behavior of Temperature Dependence of Electrical Resistivity in $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$,” poster presentation at **SCES 2010 – International Conference on Strongly Correlated Electron Systems**, June 27 – July 2, Santa Fe, New Mexico; Abstract # Th012 (2010).
65. R. E. Baumbach, J. J. Hamlin, L. Shu, D. A. Zocco, M. B. Maple, J. M. O’Brien, and P.-C. Ho, “Unconventional magnetic field tuned quantum ground states in the noncentrosymmetric compound $\text{Yb}_2\text{Fe}_{12}\text{P}_7$,” poster presentation at **SCES 2010 – International Conference on Strongly Correlated Electron Systems**, June 27 – July 2, Santa Fe, New Mexico; Abstract # Th037 (2010).
66. R. Movshovich, N. Kurita, H.-O. Lee, P.-C. Ho, M. B. Maple, Y. Tokiwa, C. F. Miclea, E. D. Bauer, F. Ronnin, P. Sengupta, I. Vekhter, Z. Fisk, and J. D. Thompson, “Thermal and magnetic properties of low-temperature antiferromagnet $\text{Ce}_4\text{Pt}_{12}\text{Sn}_{25}$,” poster presentation at **SCES 2010 – International Conference on Strongly Correlated Electron Systems**, June 27 – July 2, Santa Fe, New Mexico; Abstract # TU066 (2010).
67. D. Romero, C. Liang, P.-C. Ho, S. Attar, and D. Margosan, “Preparation and Analysis of Rare-Earth Nanoparticles (Gd and Nd),” poster presentation at **the 3rd Annual CSM Student Poster Symposium**, May 7, hosted by the College of Science and Mathematics, California State University, Fresno (2010). [Student Presentation from PCH Lab]
68. U. I. Urbina and P.-C. Ho, “Instrumentation for measuring specific heat of rare-earth materials,” poster presentation at **the 3rd Annual CSM Student Poster Symposium**, May 7, hosted by the College of Science and Mathematics, California State University, Fresno (2010). [Student Presentation from PCH Lab]
69. J. J. Thompson and P.-C. Ho, “Constructing a multiplexer (scanner),” poster presentation at **the 3rd Annual CSM Student Poster Symposium**, May 7, hosted by the College of Science and Mathematics, California State University, Fresno (2010). [Student Presentation from PCH Lab]
70. Dulce Romero, Pei-Chun Ho, Saeed Attar, and Dennis Margosan, “Preparation of Gd and Nd Nanoparticles using Inverse Micelle Technique,” oral presentation at **Graduate Research and Creative Activities Symposium**, May 6, Henry Madden Library, California State University, Fresno (2010). [Student Presentation from PCH Lab]
71. U. I. Urbina and P.-C. Ho, “Instrumentation for measuring specific heat of rare-earth materials,” poster presentation at **Graduate Research and Creative Activities Symposium**, May 6, Henry Madden Library, California State University, Fresno (2010). [Student Presentation from PCH Lab]
72. Johnathon J. Thompson and Pei-Chun Ho, “Constructing a multiplexer (scanner),” **the 24th Annual California State University Student Research Competition**, April 30 -May 1, California State University, San Jose (2010). [Student Presentation from PCH Lab]
73. U. I. Urbina and P.-C. Ho, “Instrumentation for measuring specific heat of rare-earth materials,” poster presentation at **the 24th Annual California State University Student Research Competition**, April 30 - May 1, California State University, San Jose (2010). [Student Presentation from PCH Lab]
74. Dulce Romero, Pei-Chun Ho, Saeed Attar, and Dennis Margosan, “ Synthesis and characterization of Gd and Nd nanoparticles,” contributed talk at **the 31th Annual Central California Research Symposium**, Session E, April 23, California State University, Fresno (2010). [Student Presentation from PCH Lab]
75. Johnathon J. Thompson and Pei-Chun Ho, “Constructing a multiplexer (scanner),” contributed talk at **the 31th Annual Central California Research Symposium**, Session C, April 23, California State University, Fresno (2010). [Student Presentation from PCH Lab]

76. Ulises Urbina and Pei-Chun Ho, "Instrumentation for measuring specific heat of strongly correlated electron materials," contributed talk at **the 31th Annual Central California Research Symposium**, Session C, April 23, California State University, Fresno (2010). [Student Presentation from PCH Lab, Ulises Urbina won "Honorable Mention" recognition for an Outstanding Oral Presentation]
77. Johnathon J. Thompson, Ulises Urbina, Advisor: Pei-Chun Ho, "Constructing a multiplexer (scanner)," **the 24th National Conference on Undergraduate Research**, Oral Session 7, Missoula, Montana, 4/15-4/17 (2010). [Student Presentation from PCH Lab]
78. D. G. Romero, P.-C. Ho, S. Attar, and D. Margosan, "Progress toward synthesis and characterization of rare-earth nanoparticles," contributed talk at **2010 APS March Meeting**, March 15-19, Portland, Oregon; Abstract # Z37.00001 (2010). [Student Presentation from PCH Lab]
79. U. I. Urbina, J. Thompson, and Pei-Chun Ho, "Instrumentation for measuring thermodynamic properties of rare-earth compounds," poster presentation at **2010 APS March Meeting**, March 15-19, Portland, Oregon; Abstract #K1.00059 (2010). [Student Presentation from PCH Lab]
80. L. Shu, E. Gonzales, K. Huang, T. A. Sayles, R. E. Baumbach, J. J. Hamlin, D. A. Zocco, C. A. McElroy, M. B. Maple, J. Paglione, J. O'Brien, and P.-C. Ho, "Superconductivity and non-Fermi-liquid behavior in $Ce_{1-x}Yb_xCoIn_5$," contributed talk at **2010 APS March Meeting**, March 15-19, Portland, Oregon; Abstract # J38.00003 (2010).
81. R. Movshovich, N. Kurita, H.-O. Lee, Y. Tokiwa, C. F. Miclea, E. D. Bauer, F. Ronning, J. D. Thompson, P.-C. Ho, M. B. Maple, P. Sengupta, I. Vekhter, and Z. Fisk, "Thermal and magnetic properties of a low-temperature antiferromagnetic $Ce_4Pt_{12}Sn_{25}$," contributed talk at **2010 APS March Meeting**, March 15-19, Portland, Oregon; Abstract # J34.00010 (2010).
82. R. E. Baumbach, J. J. Hamlin, L. Shu, D. A. Zocco, M. B. Maple, J. O'Brien, and P.-C. Ho, "Unconventional magnetic field tuned quantum ground states in the noncentrosymmetric compound $Yb_2Fe_{12}P_7$," contributed talk at **2010 APS March Meeting**, March 15-19, Portland, Oregon; Abstract # J34.00001 (2010).
83. P.-C. Ho, D. E. MacLaughlin, L. Shu, S. Zhao, J. M. Mackie, M. B. Maple, T. Yanagisawa, "Anomalous magnetic moment suppression in the superconducting and ferromagnetic coexistence region in $Pr_{1-x}Nd_xOs_4Sb_{12}$," contributed talk at **2010 APS March Meeting**, March 15-19, Portland, Oregon; Abstract # A38.00005 (2010).
84. Ulises Urbina and Pei-Chun Ho, "Instrumentation for measuring heat capacity of strongly correlated materials," invited colloquium presentation at Fresno City College, Fresno, CA, February 19 (2010). [Student Presentation from PCH Lab]
85. Ulises Urbina and Pei-Chun Ho, "Instrumentation for calorimetric measurements of strongly correlated electron materials," contributed talk, at **2009 Annual Meeting of the California Section of the APS**, Nov. 13-14, Naval Postgraduate School, Monterey, CA (2009). [Student Presentation from PCH Lab]
<http://meetings.aps.org/Meeting/CAL09/Event/114664>
86. T. Yanagisawa, H. Saito, T. Mayama, Y. Ikeda, H. Hidaka, H. Amitsuka, Y. Nemoto, T. Goto, N. Takeda, P.-C. Ho, M. B. Maple, "Physical Acoustics of Magnetism and Superconductivity in Filled-Skutterudites Which Possesses Rattling," **International Symposium for Young Scientists on Physics of Strongly Correlated Electrons**, Hokkaido University, Sapporo, Japan, Aug. 26 (2009).
87. J. Thompson and P.-C. Ho, "Multiple Specimen Property Measurement Apparatus: 5-Channel Multiplexer," poster presentation, **Symposium "Celebration of Research Excellence,"** May 8, hosted by the College of Science and Mathematics, California State University, Fresno (2009). [Student Presentation from PCH Lab]
88. U. I. Urbina and P.-C. Ho, "Instrumentation for Measuring Thermal and Electronic Properties of Strongly Correlated Electron Materials," poster presentation, **Symposium "Celebration of Research Excellence,"** May 8, hosted by the College of Science and Mathematics, California State University, Fresno (2009). [Student Presentation from PCH Lab]
89. D. G. Romero, A. Tretyakov, P.-C. Ho, S. Attar, D. Margosan, "Synthesis and Characterization of Gd and Nd nanoparticles," poster presentation, **Symposium "Celebration of Research Excellence,"** May 8,

hosted by the College of Science and Mathematics, California State University, Fresno (2009). [Student Presentation from PCH Lab]

90. U. I. Urbina and P.-C. Ho, "Instrumentation for Measuring Thermal and Electronic Properties of Strongly Correlated Electron Materials," poster presentation, **Graduate Research and Creative Activities Symposium**, May 7, Henry Madden Library, California State University, Fresno (2009). [Student Presentation from PCH Lab]
91. D. G. Romero, A. Tretyakov, P.-C. Ho, S. Attar, D. Margosan, "Synthesis and Characterization of Gd and Nd nanoparticles," poster presentations, **Graduate Research and Creative Activities Symposium**, May 7, Henry Madden Library, California State University, Fresno (2009). [Student Presentation from PCH Lab]
92. D. Romero, P.-C. Ho, S. Attar, "Synthesis and Characterization of Gd and Nd nanoparticles," contributed talk at **the 30th Annual Central California Research Symposium**, April 23, California State University, Fresno (2009). [Student Presentation from PCH Lab]
93. A. Tretyakov, D. Romero, P.-C. Ho, "Rare earth metal nanoparticles grown by inverse micelle method," poster presentation at **the 30th Annual Central California Research Symposium**, April 23, California State University, Fresno (2009). [Student Presentation from PCH Lab; Dulce Romerno won "Best Presentation for an Outstanding Poster"]
94. P.-C. Ho, M. B. Maple, T. Yanagisawa, W. M. Yuhasz, N. P. Butch, A. A. Dooraghi, C. C. Robinson, "Effect of ferromagnetism on unconventional superconductivity in the $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$ system," contributed talk at **2009 APS March Meeting**, March 16-20, Pittsburgh, Pennsylvania; Abstract # A41.00005 (2009)
95. D. Coffey, M. DeMarco, P.-C. Ho, T. Sayles, M. B. Maple, J. W. Lynn, and Q. Huang, "Collapse of the hyperfine magnetic field at the Ru site in GdRu_2 and HoRu_2 ," contributed talk at **2009 APS March Meeting**, March 16-20, Pittsburgh, Pennsylvania; Abstract # B32.00007 (2009).
96. D. G. Romero, Pei-Chun Ho, Saeed Attar, "Synthesis and characterization of Gd and Nd nanoparticles," poster presentation at **2009 APS March Meeting**, March 16-20, Pittsburgh, Pennsylvania; Abstract # K1.00066 (2009). [Student Presentation from PCH Lab]
97. Ulises Urbina, Pei-Chun Ho, Daqing Zhang, "I-V curve of Randomly Oriented ZnO Nanowires," contributed talk, at **2008 Annual Meeting of the California Section of the APS**, October 17-18, California State University, Dominguez Hills, Carson, CA (2008). [Student Presentation from PCH Lab]
<http://aps-ca.lbl.gov/abstracts-2008.html>
98. Dulce G. Romero, Pei-Chun Ho, Saeed Attar "Synthesis and Characterization of Gd Nanoparticles," contributed talk at **2008 Annual Meeting of the California Section of the APS**, October 17-18, California State University, Dominguez Hills, Carson, CA (2008). [Student Presentation from PCH Lab]
<http://aps-ca.lbl.gov/abstracts-2008.html>
99. D. G. Romero and P.-C. Ho, "Progress towards Growth and Characterization of Rare-Earth Nanoparticles using the Inverse Micelle Method," contributed talk at **the 2008 SPS Zone 18 Meeting**, May 3, University of California, Santa Cruz (2008). [Student Presentation from PCH Lab]
http://sirius.ucsc.edu/sps/?page_id=111
100. D. G. Romero and P.-C. Ho, "Progress towards growth and characterization of rare-earth nanoparticles using the inverse micelle method," Poster presentation at **2008 APS March Meeting**, March 10-14, New Orleans, Louisiana; Abstract # K1.00092 (2008). [Student Presentation from PCH Lab]
101. M. M. Qazilbash, G. O. Andreev, D. N. Basov, P.-C. Ho, M. B. Maple, M. Brehm, F. Keilmann, A. V. Balatsky, B.-G. Chae, B. J. Kim, S. J. Yun, and H.-T. Kim, "Mott transition in vanadium dioxide (VO_2) observed by infrared spectroscopy and nano-imaging," contributed talk at **2008 APS March Meeting**, March 10-14, New Orleans, Louisiana; Abstract # V12.00004 (2008).
102. N. Kurita, H.-O. Lee, Y. Tokiwa, E. D. Bauer, J. Thompson, Z. Fisk, P.-C. Ho, M. B. Maple, and R. Movshovich, "Low-temperature thermal and transport properties of single-crystalline $\text{Ce}_4\text{Pt}_{12}\text{Sn}_{25}$," contributed talk at **2008 APS March Meeting**, March 10-14, New Orleans, Louisiana; Abstract # P12.00007 (2008).

103. R. Baumbach, P.-C. Ho, T. Sayles, M. B. Maple, R. Wawryk, T. Circhorek, A. Pietraszko, and Z. Henkie, “Non-Fermi liquid behavior in the filled skutterudite compound $\text{CeRu}_4\text{As}_{12}$,” contributed talk at **2008 APS March Meeting**, March 10-14, New Orleans, Louisiana; Abstract # P12.00006 (2008).
104. P.-C. Ho, J. Singleton, M. B. Maple, P. Goddard, and T. Yanagisawa “High-field de Haas-van Alphen investigation of the filled skutterudite compound $\text{NdOs}_4\text{Sb}_{12}$,” contributed talk at **2008 APS March Meeting**, March 10-14, New Orleans, Louisiana; Abstract # P12.00005 (2008).
105. J. Singleton, P.-C. Ho, W. M. Yuhasz, T. Yanagisawa, T. A. Sayles, N. P. Butch, M. B. Maple, P. Goddard, A. Pietraszko, R. Wawryk, Z. Henkie, and H. Harima, “Fermi-surface topology and field-dependent effective masses in the filled skutterudite $\text{PrOs}_4\text{As}_{12}$,” invited talk at **SCES’07 (the International Conference on Strongly Correlated Electron Systems)**, May 13-18, Houston, Texas; Program and Abstracts, p. 139, Heavy fermion II-3 (2007).
106. T. Yanagisawa, W. M. Yuhasz, P.-C. Ho, M. B. Maple, H. Watanabe, Y. Yasumoto, Y. Nemoto, T. Goto, Z. Henkie, and A. Pietraszko, “Ultrasound study of the filled skutterudite compound $\text{NdOs}_4\text{Sb}_{12}$,” invited talk at **SCES’07 (the International Conference on Strongly Correlated Electron Systems)**, May 13-18, Houston, Texas; Program and Abstracts, p. 138, Heavy fermion II-1 (2007).
107. P.-C. Ho, T. Yanagisawa, N. P. Butch, W. M. Yuhasz, C. C. Robinson, A. A. Dooraghi, and M. B. Maple, “A comparison of the normal and superconducting state properties of $\text{Pr}(\text{Os}_{1-x}\text{Ru}_x)_4\text{Sb}_{12}$ and $\text{Pr}_{1-x}\text{Nd}_x\text{Os}_4\text{Sb}_{12}$,” poster at **SCES’07 (the International Conference on Strongly Correlated Electron Systems)**, May 13-18, Houston, Texas; Program and Abstracts, p. 39, Poster Session I-76-Superconductivity-Unconventional non-High T_c (2007).
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