

James B. Dent

CONTACT INFORMATION *e-mail:* jbdent@shsu.edu
(936) 294-4860

CURRENT POSITION Assistant Professor, Sam Houston State University (Fall 2017 -)
Member of the MINER (Mitchell Institute Neutrino Experiment at Reactor) collaboration

PREVIOUS POSITIONS Assistant Professor, University of Louisiana at Lafayette (August 2012-May 2017)
Dr. & Mrs. Sammy W. Cospér/BoRSF Professor, University of Louisiana at Lafayette (August 2014-May 2017)
Postdoctoral Researcher Arizona State University (September 2009-August 2012)
Postdoctoral Researcher Vanderbilt University (September 2006-August 2009)
Visiting Assistant Professor and Postdoctoral Researcher Texas A&M University (September 2005-August 2006)

EDUCATION Ph.D Physics, 2005, Texas A&M University, College Station, TX USA
Advisors: Richard Arnowitt, Christopher Pope
B.Sc, 1999, University of Missouri-Rolla (since renamed Missouri University of Science and Technology) Rolla, MO USA

JOURNAL PUBLICATIONS 49 journal publications: Phys.Rev.D (33), Phys.Lett.B (5), Int.J.Mod.Phys.D (3), JCAP (3), Phys.Rev.Lett. (2), Class.Quant.Grav. (2), Nucl.Instrum.Meth. (1)

CONFERENCE AND SEMINAR PRESENTATIONS Invited Speaker, NuFACT, Virginia Tech, August 2018
Seminar at the University of Hawaii, July 2018
Seminar at the University of Melbourne, July 2018
PHENO, University of Pittsburgh, May 2018
Invited Speaker, NuEclipse, UT-Knoxville, August 2017
Invited Speaker, WIN2017, UC-Irvine, June 2017
Invited Speaker, Mitchell Institute Workshop, May. 2015
Speaker at the APS April Meeting, Washington D.C. January 2017
Invited Speaker, EFT as a Discovery Tool, Mainz Institute of Theoretical Physics, September 2016
COSMO 2016, University of Michigan, August 2016
Invited Speaker and Participant, CETUP*, Lead, South Dakota, June 2016
Invited Speaker, Mitchell Institute Workshop on Collider, Dark Matter, and Neutrino Physics, May 2016
Invited Seminar, University of New Orleans, April 2016
College of Sciences Seminar, University of Louisiana at Lafayette, April 2016
Invited Speaker, FermiLab meeting on Dark Matter at a Future 100TeV collider, December 2015
Colloquium Speaker, 100 Years of General Relativity, University of Louisiana at Lafayette, November 2015
Invited Speaker, Coherent Neutrino Scattering Workshop, Texas A&M University, November 2015
Invited Speaker, FermiLab VHEPP meeting (via phone), October 2015
Plenary Speaker, Kavli-IPMU-Durham-KIAS workshop: New particle searches confronting the first LHC run-2 data, IPMU, Kashiwanoha Japan, September 2015
Invited Speaker, Dark Matter Workshop, Texas A&M University, May 2015
Invited Seminar, LSU, April 2015
Invited Seminar, Louisiana Tech University, November 2014
Invited Seminar, University of New Orleans, April 2014
Invited Seminar, Arizona State University, November 2013
Invited Seminar, Vanderbilt University, April 2013

Invited Colloquium, University of Louisiana-Lafayette, Feb 2012
 Invited Speaker, Aspects of Inflation Workshop, Texas A&M University, April 2011
 Invited Seminar, University of New Mexico, March 2011
 Invited Seminar, University of Melbourne, March 2011
 Invited Seminar, Texas A&M University, November 2010
 PHENO 2010 Madison, WI, May 2010
 Miami Conference, December 2009
 Invited Seminar, Vanderbilt University, October 2009
 Invited Seminar, Washington University, St. Louis, September 2009
 Talk at International School for Subnuclear Physics, Erice, Sicily, September 2008
 PHENO, Madison, WI, 2008
 Invited Seminar, Case Western Reserve University, December 2007
 Invited Seminar, University of Alabama, March 2007
 Pacific Coast Gravity Meeting, Santa Barbara, CA, March 2006
 Coral Gables Conference, Miami, FL, December 2005
 Invited Seminar Speaker, Texas A&M University January 2005
 Solstice Meeting, Miami FL, December 2004
 TASI 2003, Student Seminar, University of Colorado, June 2003

PUBLIC TALKS Public Lecture, Speaking of Science Fontainebleau High School, Mandeville, LA, January 2016
 TedX Vermillion Street, Lafayette, LA, September 2015
 Public Lecture, SMART Festival, Lafayette, LA, October 2013 and 2014
 Public Lecture, Speaking of Science LSU-Shreveport (2013)

HONORS, AWARDS, AND GRANTS KITP Scholar (Kavli Institute of Theoretical Physics at the University of California at Santa Barbara) 2016-2018
 Chosen as a speaker for TedX Vermillion Street, Lafayette, LA, September 2015
 Co-PI LaSPACE LURA grant, 2015-2016
 Advising Award, UL Lafayette, 2015 and 2016
 Rising Star in College of Science, UL Lafayette, Fall 2014
 Summer 2014 Research Grant, University of Louisiana at Lafayette
 Dr. & Mrs. Sammy W. Cospser/BoRSF Professorship in Physics 2014 (three year term)
 Blavatnik Award Nominee 2013 and 2014
 Summer 2013 Research Grant, University of Louisiana at Lafayette
 PFUND Grant 2013
 Bruno Rossi Diploma winner as one of the Best New Talents at ISSP Erice, Italy, 2008
 Honorable mention Gravity Research Foundation Essay Contest 2008 with L.M. Krauss and G.D. Starkman, "Late Time Decay of the False Vacuum, Measurement, and Quantum Cosmology".
 HEEP fellowship Texas A&M University 1999

TEACHING AND ADVISING EXPERIENCE UL-Lafayette Physics Department Undergraduate Advisor and Program Coordinator 2014-2017
 Co-Advisor for undergraduate John Miller's LaSPACE LURA Grant research 2015-16
 Advisor for two Master's Theses, three Senior Research projects, and seven Honors projects
 Visiting Assistant Professor, Department of Physics Texas A&M University, Fall 2005 Engineering Mechanics, Spring 2006 Engineering Electricity & Magnetism, Summer 2006 Modern Physics
 Teaching Assistant, Department of Physics Texas A&M University 1999-2002
 Lecturer, Department of Physics Blinn College 2001, Introductory Electricity & Magnetism

COMMITTEES, SERVICE, AND OUTREACH Journal Referee: Phys.Rev.Lett., Mon.Not.Roy.Soc., Astron.Astrophys., JCAP
 Member of the American Physical Society
 UL-Lafayette Physics Department Undergraduate Advisor and Coordinator 2014-2017