

**CURRICULUM VITAE
DR. BREESE QUINN**

Associate Professor, Department of Physics and Astronomy, University of Mississippi

CONTACT INFORMATION

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EDUCATION

University of Chicago	Ph.D. Physics	2000
University of Chicago	M.S. Physics	1998
Mississippi State University	B.S. (Honors) Physics, Summa Cum Laude	1991

APPOINTMENTS

Assistant Professor	University of Mississippi	2010-
Assistant Professor	University of Mississippi	2004-2010
Lederman Postdoctoral Fellow	Fermi National Accelerator Laboratory	2000-2003
Laboratory Physicist	University of Mississippi	1991-1992

RESEARCH COLLABORATIONS

- ORKA Experiment, FNAL (2012-)
- DØ Experiment, FNAL (2000-)
 - Current:
 - Electroweak physics group
 - Co-convener
 - W Mass measurement
 - Previous:
 - Silicon Microstrip Tracker (SMT) construction and commissioning
 - SMT Group Leader
 - Layer 0 SMT Upgrade Installation and Commissioning leader
 - Top physics group
 - Computing Resource Board representative
 - b-tagging sub-leader
 - DØ Visitors Center developer and leader
- DOSAR (Distributed Organization for Scientific and Academic Computing) regional GRID computing organization (2004-)
- KTeV Experiment, FNAL (1992-2000)
 - Transition Radiation Detector construction
 - Muon simulation
 - Dissertation: “A Measurement of the branching ratio and form-factor of $K_L \rightarrow \mu^+ \mu^- \gamma$ ”, Advisor: Prof. Yau Wai Wah

- E791 Experiment, FNAL (1990-1992)
 - Built and managed University of Mississippi offline reconstruction farm
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AWARDS AND HONORS

- Nominated for DØ Institutional Board Chair (2012)
 - College of Liberal Arts Summer Research Grant (2005, 2009)
 - Outstanding Society of Physics Students Chapter (2007)
 - Fermilab Lederman Fellowship (2000-2003)
 - US Department of Education GANN Fellowship (1992-1994)
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PROFESSIONAL ACTIVITIES

- American Physical Society member
 - Mississippi Association of Physicists member
 - Fermilab Users Executive Committee, member and Chair of Government Relations, 2005-2007
 - Led lobbying efforts of US High Energy Physics Users community as Fermilab UEC Government Relations chair
 - Organized over 500 meetings with Senators, Representatives, administration officials; personally conducted nearly 125 of those
 - Participated in 7 UEC DC Trips
 - Delegate to National Academies' "Rising Above the Gathering Storm Two Years Later" convocation, April 2008
 - Regularly serve as science fair judge and conduct demo shows for school and church groups
 - Society of Physics Students chapter advisor
 - Quarknet physics teacher development program mentor
 - Started graduate Experimental Particle Physics course
 - Started Honors Physical Science course
 - Committee to Develop Interdisciplinary Science course
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SELECTED 2012 PUBLICATIONS AND TALKS

- V. M. Abazov et al. (D0 Collaboration), Measurement of the W Boson Mass with the D0 Detector, Phys. Rev. Lett. 108, 151804 (2012).
 - B. Quinn (CDF and D0 Collaborations), Electroweak Physics Results from the Tevatron, Aspen 2012, Aspen, CO, February 2012.
 - B. Quinn (CDF and D0 Collaborations), QCD and Electroweak Results from the Tevatron, Fermilab Users' Meeting, Batavia, IL, June 2012.
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