

Wanwei WU

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Add.: Fermilab 12B Suak Circle

Batavia, IL USA 60510

RESEARCH INTEREST

Theoretical and Experimental High Energy Physics, Accelerator Physics and Mathematics

EDUCATION

University of Mississippi & Fermilab

06/2013—Currently

PhD in Physics

- working on Muon g-2 experiment at Fermilab, Batavia, IL

University of Mississippi | Oxford, MS, USA

08/2013—05/2015

M.S. in Physics, Department of Physics and Astronomy

- Thesis: Semi-leptonic Decay of Lambda-b in the Standard Model and with New Physics

Sichuan University | Chengdu, China

09/2006—06/2010

B.S. in Physics, College of Physical Science and Technology & Wu Yuzhang Honors College

- Thesis: Non-Commutative Geometry and Physical Instances in Field Theory

SCHOOL, TRAINING & CONFERENCE

IPAC17 | Copenhagen, Denmark

05/2017

11th Fermilab—CERN Hadron Collider Physics Summer School | Fermilab

08/2016

Phenomenology 2016 Symposium | University of Pittsburgh

05/2016

String-Math 2015 | Sanya, China

12/2015

Art/LArSoft Course Training | Fermilab

08/2015

OSG User School 2015 | University of Wisconsin — Madison

07/2015

Neutrino Theory and Phenomenology Workshop | Fermilab

07/2015

Fermilab 2015 New Perspective | Fermilab

06/2015

The General Theory of Relativity—Theory and Experiment in Graduate Summer School |

Wuhan, China

06/2009

TALK & PUBLICATION

Talk: The Muon g-2 Experiment at Fermilab | Colloquium at University of Mississippi

04/2017

Talk: The 3D Electric Field Map | g-2 Experiment Collaboration Meeting at Fermilab

12/2016

Talk: Electric Field Systematic Study Report | The g-2 Beam/Spin Dynamics Systematic Error

Workshop at Fermilab

12/2016

Talk: Quad Plate Alignment Status and Stories | The g-2 Beam/Spin Dynamics Systematic Error

Workshop at Fermilab

07/2016

Talk: Investigation of Quad Plate Alignment | The g-2 Beam/Spin Dynamics Systematic Error

Workshop at Fermilab

03/2016

Talk: Luminosity and Crab Waist Collision Studies | New Perspective 2015 at Fermilab

06/2015

Talk: Semi-leptonic Decay of Lambda b to Lambda c, tau and tau anti-neutrino | Mississippi

Academy of Science Annual Meeting in Hattiesburg, MS

02/2015

Publication: Beam Dynamics in g-2 Storage Ring, W. Wu and B. Quinn, IPAC-2017-MOPIK119

Publication: Final Muon Emittance Exchange in Vacuum for a Collider, D. Summers, J. Acosta, L. Cremaldi, T. Hart, S. Oliveros, L. Perera, W. Wu, D. Neuffer, IPAC-2015-TUPWI044

Publication: Lambda b to Lambda c, tau and tau anti-neutrino Decay in the Standard Model and with New Physics, S. Shivashankara, W. Wu, A. Datta, Phys. Rev. D 91, 115003 (2015)

AWARD

The URA Visiting Scholar Award 2016 Fall

11/2016–10/2017

ADDITIONAL INFORMATION

Programming: C/C++, Python, Mathematica, MATLAB, Root

Interest: Physics, Mathematics, Literature, Chess, Badminton