

Dr. William J. Gannon
Curriculum Vitae

Office Address

The University of British Columbia
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**Current
Appointment**

The University of British Columbia

September 2018 – Present

Stewart Blusson Quantum Matter Institute
·Vancouver, BC, Canada
·Research Associate
·Advisor: Professor and Dean of Faculty of Science
Meigan C. Aronson

Education

Northwestern University

2006-2013

Department of Physics and Astronomy
·Evanston, IL, USA
·Doctor of Philosophy, Physics and Astronomy, December 2013
·Advisor: Professor William P. Halperin
·Thesis Title: *Neutron Scattering Experiments with the
Unconventional Superconductor UPt_3*

University of Michigan

2001-2005

College of Literature, Science, and the Arts
·Ann Arbor, MI, USA
·Bachelor of Science, Physics, April 2005

**Employment
History**

Research Associate

September 2018 – Present

The University of British Columbia

·Vancouver, BC Canada
·Advisor: Professor and Dean of Faculty of Science
Meigan C. Aronson

Postdoctoral Research Associate

2015-2018

Texas A&M University

·College Station, TX, USA
·Advisor: Professor and Dean of College of Science
Meigan C. Aronson

	Postdoctoral Research Associate Stony Brook University ·Stony Brook, NY, USA ·Advisor: Professor Meigan C. Aronson	2013-2015
	Guest Researcher Appointment Brookhaven National Laboratory ·Upton, NY, USA	
	<ul style="list-style-type: none"> • I moved with Professor Aronson to Texas A&M from Stony Brook in 2015 when Prof. Aronson accepted the position at A&M of Dean of the College of Science. I again moved with her to The Stewart Blusson Quantum Matter Institute at The University of British Columbia when she accepted the position as Dean of the Faculty of Science. • Through both moves, I continued to carry out my duties of crystal growth, characterization, and neutron scattering from intermetallic compounds exhibiting novel quantum magnetic phases, in addition to setting up two new laboratories. 	
	Graduate Research Assistant Northwestern University ·Evanston, IL, USA ·Advisor: Professor William P. Halperin	2006-2013
	<ul style="list-style-type: none"> • Crystal growth and neutron scattering experiments on the magnetically mediated, unconventional superconductor UPt₃. 	
	Undergraduate Research Assistant University of Michigan ·Ann Arbor, MI, USA	2004-2005
Teaching Experience	Teaching Assistant Northwestern University	2006-2008
	<ul style="list-style-type: none"> • Teaching assistant for all subjects covered in introductory physics laboratories and introductory physics class discussion sections at Northwestern University. 	
Other Relevant Experience	Science Specialist – Legislation Lewis-Burke Associates, LLC ·Washington DC, USA · <i>www.lewis-burke.com</i>	2005-2006
	<ul style="list-style-type: none"> • Provided research, analysis, and support activities for government relations firm that specializes in obtaining federal funding for universities and major research institutions in the United States. 	
Personal Information	Date of Birth: January 13,1983 Place of Birth: Washington DC, USA Citizenship: USA	

Invited Talks

- International Union of Pure and Applied Physics International Conference on Magnetism, San Francisco, CA USA. July 16, 2018
- Stewart Blusson Quantum Matter Institute Seminar, University of British Columbia, Vancouver, BC Canada. May 29, 2018.
- Department of Physics and Astronomy Seminar, Hong Kong University of Science and Technology, Hong Kong SAR, China. January 22, 2018.
- Department of Physics and Astronomy Colloquium, University of Wyoming, Laramie, WY USA. November 30, 2017.
- Department of Physics Colloquium, Oklahoma State University, Stillwater, OK USA. November 6, 2017.
- Gordon Research Seminar on Neutron Scattering, Hong Kong University of Science And Technology, Hong Kong SAR, China. August 5, 2017.
- Atomic and Molecular Optics and Condensed Matter Physics Seminar, Institute for Quantum Science and Engineering, Texas A&M University, College Station, TX USA. April 18, 2017.
- Condensed Matter Physics Seminar, Northwestern University, Evanston, IL USA. April 7, 2017.
- Invited Talk, American Physical Society March Meeting, New Orleans, LA USA. March 13, 2017.
- Condensed Matter Physics Seminar, Washington University in St. Louis, St. Louis, MO USA. January 23, 2017.
- Condensed Matter Physics Seminar, University of Notre Dame, Notre Dame, IN USA. October 6, 2016.

Contributed Talks and Posters

- Presentation titled “Spinon Confinement and a Longitudinal Mode in One Dimensional $\text{Yb}_2\text{Pt}_2\text{Pb}$ ” American Physical Society March Meeting, Los Angeles, CA USA 2018.
- Poster titled “Evolution of Spinons and the Emergence of Confinement and a Longitudinal Mode in One Dimensional $\text{Yb}_2\text{Pt}_2\text{Pb}$,” Gordon Research Conference on Neutron Scattering, Hong Kong University of Science And Technology, Hong Kong SAR, China. August 6-11, 2017.
- Poster titled “One Dimensional Quantum Excitations in the f-Electron Metal $\text{Yb}_2\text{Pt}_2\text{Pb}$,” Frontiers of Quantum Materials Workshop, Rice University Center for Quantum Materials, Rice University, Houston, TX USA 2016.
- Presentation titled “Quantum Criticality in $\text{YFe}_2\text{Al}_{10}$,” American Physical Society March Meeting, Baltimore, MD USA 2016.
- Presentation titled “Evolution of Spinons with Magnetic Field in One-Dimensional $\text{Yb}_2\text{Pt}_2\text{Pb}$,” American Physical Society March Meeting, San Antonio, TX USA 2015.
- Presentation titled “The Field-Temperature Phase Diagram of $\text{Ce}_2\text{Ge}_2\text{Mg}$,” American Physical Society March Meeting, Denver, CO USA 2014.
- Presentation titled “Temperature Dependence of the London Penetration Depth and Nodal Gap Structure of UPt_3 from Small Angle Neutron Scattering,” American Physical Society March Meeting, Denver, CO USA 2014.
- Presentation titled “Bulk Magnetization in the Superconducting State of UPt_3 ,” American Physical Society March Meeting, Baltimore, MD USA, March, 2013.

- Poster titled “Equal Spin Pairing in the Heavy Fermion Superconductor UPt_3 ,” Materials and Mechanisms of Superconductivity conference, Washington DC USA, August, 2012.
- Presentation titled “Small Angle Neutron Scattering Studies of the Vortex Lattice of UPt_3 ,” American Physical Society March Meeting, Boston, MA USA, March, 2012.
- Presentation titled “Small Angle Neutron Scattering and the Vortex Lattice of UPt_3 ,” American Physical Society March Meeting, Dallas, TX USA, March, 2011.
- Poster titled “Neutron Scattering Experiments with the Unconventional Superconductor UPt_3 ,” International Symposium on Quantum Fluids and Solids, Grenoble, France, August, 2010.
- Presentation titled “Investigations of the order parameter in UPt_3 single crystals,” American Physical Society March Meeting, Portland, OR USA, March, 2010.