Curriculum Vitae

Shayan Gheidi, PhD

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EDUCATION

- **PhD Physics**, Simon Fraser University, Canada (2022)
  - Thesis: *Muon Spin Relaxation Studies of Cuprates in the Normal State*
  - Advisor: *Prof. Jeff Sonier*
- **MSc Physics**, University of Toronto, Canada (2017)
  - Thesis: *Metal to Insulator Transition in Self-Assembled Gold Nanoparticle Films*
  - Advisor: *Prof. Al-Amin Dhirani*
- **BSc Physics**, University of British Columbia, Canada (2016)
  - Thesis*: Muon Spin Rotation (μSR) on Surface Treated Niobium Samples*
  - Advisor: *Prof. Rob Kiefl*

PROFESSIONAL EXPERIENCE

Data Scientist May 2022 – December 2024
Euromonitor International, Chicago, IL, USA

PhD Researcher and Teaching Assistant 2017 – 2022
Simon Fraser University, Vancouver, BC, Canada

MSc Researcher and Teaching Assistant 2016 – 2017
University of Toronto, Vancouver, BC, Canada

PUBLICATIONS

- *Ubiquitous Spin Freezing in the Superconducting State of UTe2*
  Shyam Sundar, S. Gheidi et al., **Communications Physics 6, 24 (2023)**
- *Two-gap time reversal symmetry breaking superconductivity in non-centrosymmetric LaNiC2*
  Shyam Sundar, S. Gheidi et al**., Physical Review B 103, 014511 (2021)**
- *Absence of μSR evidence for magnetic order in the pseudogap phase of Bi2+xSr2-xCaCu2O8+δ*
  S. Gheidi et al., **Physical Review B 101, 184511 (2020)**
- *Intrinsic low-temperature magnetism in SmB6*
  S. Gheidi et al., **Physical Review Letters 123, 197203 (2019)**
- *Coexistence of ferromagnetic fluctuations and superconductivity in the actinide superconductor UTe2*
  Shyam Sundar, S. Gheidi et al., **Physical Review B 100, 140502(R) (2019)** (130 citations)
- *Field of first magnetic flux entry and pinning strength of superconductors for rf application measured with muon spin rotation*
  T. Junginger, S. Gheidi et al., **Physical Review Accelerators and Beams 21 (3), 032002 (2018)**

TALKS & POSTERS

- Search for magnetism in the pseudogap phase of Bi2+xSr2−xCaCu2O8+δ by muon spin relaxation, **APS March Meeting (2019)**
- Coexistence of ferromagnetic fluctuations and superconductivity in the actinide superconductor UTe2, **TRIUMF ACOT (2019)**
- Investigations of Magnetism in Overdoped Bi2+xSr2-xCaCu2O8+δ Using Zero-Field μSR, **CIFAR (2019)**
- Using spin polarized muons to probe the pseudogap phase of Bi2+xSr2-xCaCu2O8+δ (Bi2212), **TRIUMF IPR (2019)**
- Investigations of the pseudogap phase in overdoped Bi2+xSr2−xCaCu2O8+δ with μSR, **APS March Meeting (2018)**

AWARDS & FELLOWSHIPS

- Faculty of Science Excellence in Teaching Award **(2021)**
- Department of Physics Poster Competition Best Poster **(2021)**
- Graduate Fellowship (**2018**-**2021**)
- Dr. Howard Malm Graduate Award **(2021)**
- Grant Sheffer Graduate Award **(2020)**
- Presidents PhD Scholarship **(2020)**
- Grad Intl Research Travel Award (GIRTA) **(2020)**
- Grant Sheffer Graduate Award **(2019)**

CERTIFICATES

- Machine Learning with Python (IBM, Coursera)
- Google Project Management: Professional Certificate (Google, Coursera)