

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 (μ SR) on Surface Treated Niobium Samples*
 - Advisor: *Prof. Rob Kiefl*

PROFESSIONAL EXPERIENCE

Associate Data Scientist Euromonitor International, Chicago, IL, USA	May 2022 – December 2024
PhD Researcher and Teaching Assistant Simon Fraser University, Vancouver, BC, Canada	2017 – 2022
MSc Researcher and Teaching Assistant University of Toronto, Vancouver, BC, Canada	2016 – 2017

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 μ SR evidence for magnetic order in the pseudogap phase of Bi_{2+x}Sr_{2-x}CaCu₂O_{8+ 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 $\text{Bi}_{2+x}\text{Sr}_{2-x}\text{CaCu}_2\text{O}_{8+\delta}$ by muon spin relaxation, **APS March Meeting (2019)**
- Coexistence of ferromagnetic fluctuations and superconductivity in the actinide superconductor UTe_2 , **TRIUMF ACOT (2019)**
- Investigations of Magnetism in Overdoped $\text{Bi}_{2+x}\text{Sr}_{2-x}\text{CaCu}_2\text{O}_{8+\delta}$ Using Zero-Field μSR , **CIFAR (2019)**
- Using spin polarized muons to probe the pseudogap phase of $\text{Bi}_{2+x}\text{Sr}_{2-x}\text{CaCu}_2\text{O}_{8+\delta}$ (Bi_{2212}), **TRIUMF IPR (2019)**
- Investigations of the pseudogap phase in overdoped $\text{Bi}_{2+x}\text{Sr}_{2-x}\text{CaCu}_2\text{O}_{8+\delta}$ 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)