#### Curriculum Vitae

# Minh Nguyen

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Education

August 2014— Degree: Doctor of Philosophy in Physics

Current Where: University of Minnesota, Twin Cities, MN

**GPA:** 3.6 of 4.0

Theoretical High Energy Physics

August 2010— Degree: Bachelor of Arts in Physics

May 2014 Where: Macalester College, Saint Paul, MN

**GPA:** 3.9 of 4.0 Magna cum laude

Majors in Mathematics and Physics

### Research Interests

Beyond Standard Model, Extra Dimension Models, Composite Models, Axion and Strong CP Problem, AdS/CFT Correspondence

#### **Publications**

Under preparation

- Peter Cox, Tony Gherghetta, and Minh D. Nguyen. "Neutrino Flavour Oscillation from Warped Axion". In: Journal of High Energy Physics (under preparation) (2021)
- Tony Gherghetta and Minh D. Nguyen. "Collider Signatures of Heavy Composite Axions". In: *Journal of High Energy Physics (under preparation)* (2021)

# Submitted

• Quentin Bonnefoy et al. "Flavoured Warped Axion". In: Journal of High Energy Physics (under review) (Dec. 2020). arXiv: 2012.09728

#### Published

- Tony Gherghetta and Minh D. Nguyen. "A composite Higgs with a heavy composite axion". In: *Journal of High Energy Physics* 2020.12 (Dec. 2020), p. 94. ISSN: 1029-8479. DOI: 10.1007/JHEP12(2020) 094. arXiv: 2007.10875
- Peter Cox, Tony Gherghetta, and Minh D. Nguyen. "A holographic perspective on the axion quality problem". In: *Journal of High Energy Physics* 2020.1 (Jan. 2020), p. 188. ISSN: 1029-8479. DOI: 10.1007/JHEP01(2020)188. arXiv: 1911.09385
- Tony Gherghetta, Minh Nguyen, and Zachary Thomas. "Neutral naturalness with bifundamental gluinos". In: *Physical Review D* 94.11 (Dec. 2016), p. 115008. ISSN: 2470-0010. DOI: 10.1103/PhysRevD.94.115008. arXiv: 1610.00342
- J. N. Heyman et al. "Ultrafast terahertz Faraday rotation in graphene". In: *Journal of Applied Physics* 116.21 (Dec. 2014), p. 214302. ISSN: 0021-8979. DOI: 10.1063/1.4903212
- Minh Nguyen. "Meson Spectrum by Holography". In: *Macalester Journal of Physics and Astronomy* 2.1 (2014), p. 9. ISSN: 2332-7669

• J. N. Heyman et al. "Terahertz and infrared transmission of an organic/inorganic hybrid thermoelectric material". In: *Applied Physics Letters* 104.14 (Apr. 2014), p. 141912. ISSN: 0003-6951. DOI: 10.1063/1.4871316

#### Teaching and Mentoring

August 2015— Position: Teaching Assistant

Current Where: Department of Physics and Astronomy, University of Minnesota

January 2012— Position: Undergraduate teaching assistant

May 2014 Where: Department of Physics and Astronomy, Macalester College

# Technical expertise

TensorFlow/Keras, Linux shell, Python, LATEX, C/C++, R, MatLab

# Honors and awards

- University of Minnesota Fellowship (2014)
- Phi Beta Kappa (2014)
- Kofi Anna Scholarship Macalester College (2010)
- Gold Medal International Physics Olympiad (2008)
- Silver Medal Asian Physics Olympiad (2008)