

# Yuri Minoguchi

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## EDUCATION

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### **TU Wien**

*PhD, Physics*

Wien, Austria

2016-2022 (*expect.*)

### **Leopold Franzens Universät**

*MSc, Physics*

Innsbruck, Austria

2014-2016

thesis: "Collective Enhancement of Single Photon Nonlinearities in Atom Optomechanics"/supervisor: H. Ritsch & P. Rabl

### **Leopold Franzens Universät**

*BSc, Physics*

Innsbruck, Austria

2005-2013

## RESEARCH STAYS

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### **Visiting Scientist**

*IQIM, Californian Institute of Technology*

March 2019 – July 2019

*Pasadena, CA, USA*

### **Visiting Scientist**

*Carl-Icahn Institute for Integrative Genomics, Princeton University*

June 2008 – Sept. 2008

*Princeton, NJ, USA*

## PUBLICATIONS & PREPRINTS

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### **Preprints**

- \* Environment-Induced Rabi Oscillations in the Optomechanical Boson-Boson Model/ Y. Minoguchi, P. Kirton, P. Rabl/ [arXiv:1904.02164](https://arxiv.org/abs/1904.02164)

### **Publications**

- \* Effective Theory for the Measurement-Induced Phase Transition of Dirac Fermions/ M. Buchhold, Y. Minoguchi, A. Altland, S. Diehl/Phys. Rev. X 11, 041004 (2021)
- \* Continuous Gaussian Measurements of the Free Boson CFT: A model for Exactly Solvable and Detectable Measurement-Induced Dynamics/ Y. Minoguchi, P. Rabl, M. Buchhold/scipost ??? (in press)

## LANGUAGE AND SKILLS

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**Languages:** German, Japanese, English