

# Ethan T. Neil

## Associate Professor of Physics

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## Research Interests

Particle physics, lattice gauge theory, dark matter, collider phenomenology

## Education

2011      PhD in Physics, Yale University  
2005      BSc with distinction in Physics, Duke University

## Appointments held

2020-      Associate Professor of Physics, University of Colorado, Boulder  
2019-      Fellow, [Center for Theory of Quantum Matter](#), University of Colorado, Boulder  
2013-2020      Assistant Professor of Physics, University of Colorado, Boulder  
2013-2018      RIKEN Fellow, RIKEN BNL Research Center, Brookhaven National Laboratory  
2010-2013      Research Associate, Fermi National Accelerator Laboratory

## Grants, honors & awards

2019      Outstanding Physics Teacher Award, University of Colorado Department of Physics  
2015-      Co-PI on U.S. Department of Energy grant “Elementary Particle Physics and High Energy Phenomena”

## Professional Service

2020-2022      Subtopic convener for TFO5, “Lattice Gauge Theory”, for the Snowmass 2021 community planning exercise  
2018-2021      Scientific program committee member, USQCD Collaboration  
2017-      Local co-organizer, Theoretical Advanced Study Institute summer school  
2011-2019      Lead organizer, “Lattice for Beyond the Standard Model Physics” annual workshop series

## University Service

2021-2023	Member, Physics Department Executive Committee
2018-2023	Faculty advisor for Engineering Physics (EPEN) undergrad major
2017	Faculty search committee in Strongly-Coupled Systems
2014-2016	Physics Representation, Retention and Recruitment ( $R^3$ ) committee
2013-2014	Physics Departmental Action Team (DAT) on climate and representation in undergrad physics at CU
2011-2012	Member of the physics graduate program committee