



# Physics

UNIVERSITY OF COLORADO **BOULDER**

PHYSICS RECOGNITION CEREMONY  
DECEMBER 16, 2021

# **ORDER OF EVENTS**

## **OPENING REMARKS**

Michael Ritzwoller, Professor and Chair

## **AWARDS AND RECOGNITION**

Latin Honors Graduates

Distinguished Graduates for Academic Achievement

Outstanding Graduate for Academic Achievement

Outstanding Graduate in Engineering Physics

Outstanding Graduate in Physics

Stephen Halley White Undergraduate Research Award

## **PRESENTATION OF UNDERGRADUATE DEGREES**

Michael Dubson, Associate Chair of Undergraduate Studies

## **PRESENTATION OF GRADUATE DEGREES**

Tobin Munsat, Associate Chair of Graduate Studies

## **CLOSING REMARKS**

Michael Ritzwoller, Professor and Chair

# CONGRATULATIONS TO THE CLASS OF 2021!

## BACHELOR OF SCIENCE IN ENGINEERING PHYSICS

**Liam R. Foster\*** *summa cum laude*

**Jeffery W. Meyers**

**Mckenna Partridge +**

**Andrés Villani Davila\*^** *summa cum laude*

**Thomas J. Zou**

## BACHELOR OF ARTS IN PHYSICS

**William G. Cain III**

**Zenón V. Cortez**

**Jabari Davis**

**Jia Zhan Ei**

**Max E. Garber**

**Nicholas Holcomb\***

**John W. Johnson**

**Brandon T. Korb\*** *summa cum laude*

**Haipeng Liu**

**Sanjeev S. Mahabir** *magna cum laude*

**Ian M. Peyton**

**Anthony C. Segarra**

**Devin S. Staub**

**Martin Stoehr**

**Georgy Trubnikov\***

**Antonio Vigil\*†★** *summa cum laude*

\* denotes Distinguished Graduate for Academic Achievement

+ denotes Outstanding Graduate for Academic Achievement

^ denotes Outstanding Graduate in Engineering Physics

† denotes Outstanding Graduate in Physics

★ denotes Stephen Halley White Undergraduate Research Award

# DOCTOR OF PHILOSOPHY IN PHYSICS

## **Julia R. K. Cline**

Thesis Advisor: Prof. James Thompson

*Continuous Collective Strong Coupling Between Atoms and a High Finesse Cavity on a Forbidden Optical Transition*

## **Robert Fasano**

Thesis Advisor: Prof. Scott Diddams

*A transportable Ytterbium Optical Lattice Clock*

## **Graham P. Greve**

Thesis Advisor: Prof. James Thompson

*Entanglement-Enhanced Matter-Wave Interferometry*

## **Samuel C. Johnson**

Thesis Advisor: Prof. Markus Raschke

*Ultrafast Infrared Nano-Imaging of Strongly Coupled Phonon and Carrier Dynamics in Quantum Materials*

## **Alexander J. Lind**

Thesis Advisor: Prof. Scott Diddams

*Second Order Nonlinear Optics with Ultrashort Frequency Combs*

## **Haonan Liu**

Thesis Advisor: Prof. Murray Holland

*Superradiant Atomic Beam Laser*

## **Michael A. Perlin**

Thesis Advisor: Prof. Ana Maria Rey

*Quantum simulation and metrology with multilevel fermions in an optical lattice*

## **Christopher A. Pocs**

Thesis Advisor: Prof. Minhyea Lee

*Anisotropy, Transport, and Spin-Phonon Interplay in Insulating Magnets*