



UNIVERSITY OF OREGON COMMENCEMENT

PHYSICS

MONDAY, JUNE 16, 2025

COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF PHYSICS

COMMENCEMENT CEREMONY

MONDAY, JUNE 16, 2025 · 4:00 P.M.

EMU BALLROOM

Welcome

Richard Taylor, PhD

Professor and Head of Physics

Faculty Speaker

Ben Farr, PhD

Associate Professor, Institute for Fundamental Science, Physics

Student Presentation

Owen A. J. Mitchem

Presentation of Doctoral and Master's Candidates

Presentation of Baccalaureate Candidates

Recessional

Adjournment and Reception

Reception to be held in the Paul Olum Willamette Atrium

UNIVERSITY HONORS

Summa Cum Laude

Top 2 percent of the university graduating class

Jack Thomas Siekkinen

Magna Cum Laude

Top 5 percent of the university graduating class

Emily Patricia Reis Avey
Isabelle Ann Shupe Dana

Elias S. Herb
Maxwell Martin Howard

Cum Laude

Top 10 percent of the university graduating class

Michaela Marie Cheechov
Declan Xavier Lynch

Jon S. Tyson

Departmental Honors

Calvin Zachary Ajizian
Emily Patricia Reis Avey
Michaela Marie Cheechov
Isabelle Ann Shupe Dana
Aidan P. Gardner-O’Kearny
Elias S. Herb
Maxwell Martin Howard

Holden Emmett Jose
Declan Xavier Lynch
Owen A.J. Mitchem
Marcus Daniel Polk
Jack Thomas Siekkinen
Drew Jackson Tweedale
Jon S. Tyson

DEGREE CANDIDATES

Note: Not an official degree list. Students listed are eligible to participate in the commencement ceremony at the time this program was printed.

Doctoral Candidates

Sarah Jade Ashby

“Characterization of Electro-Optic Phase Modulations for Arbitrary Unitary Transformations”

Advisor: Brian Smith

Claire Sheffield Albrecht

“Unraveling DNA Breathing: Advancing Spectroscopic Methods to Probe Nucleobase Conformational Dynamics and Protein-DNA Interactions”

Advisor: Andrew Marcus

Matthew Steven Ball

“Using Gravitational Waves as a Probe into the Interior of Isolated Neutron Stars”

Advisor: Raymond Frey

Thomas Michael Bouley

“Diverse Approaches to Ultralight Dark Matter”

Advisor: Tien-Tien Yu

Sean Joseph Brudney

“A Tall, Cold Glass of Calcium: Efficiently Heralding Ground Motional States and Non-Destructive Mid-Circuit Measurements in the omg Architecture”

Advisor: Eric Corwin

Aileen Carroll Godfrey

“Extreme Diffusion in Physical Systems”

Advisor: Eric Corwin

Marija Glisic

“Search for Heavy, Long-lived, Charged Particles with Large Ionisation Energy Loss in pp Collisions at $\sqrt{s}=13$ TeV Using the ATLAS Experiment and the Full Run 2 Dataset”

Advisor: Laura Jeanty

Jaxen Blaze Godfrey

“Population Properties of Binary Black Holes from Gravitational Wave Observations”

Advisor: Ben Farr

Jesse Monroe Hall

“From Pollen Grains to Peptides: Coarse-Graining and the Brownian Motion of Molecules”

Advisor: Marina Guenza

Xinzhu Li

“Towards the Quantum Regime: Ultracoherent Diamond Spin-Mechanical Resonators ”

Advisor: Hailin Wang

JD Merritt

“Massive Stellar Populations and the Origins of Binary Black Holes”

Advisor: Ben Farr

Maxx Logan Miller

“On the Universal Physics of Smelly Flocks”

Advisor: John Toner

William Spencer Parker

“Fractional Topology in Hybrid Magnetic Skyrmions”

Advisor: Ben McMorran

Kevin John Randles

“A Light Treatment of Hybrid Quantum State Transfer and Photon Interference”

Advisor: Steven van Enk

Shuhao Wu

“Quantum Information with Color Center in Diamond”

Advisor: Hailin Wang

Anni Xiong

“Search for Charged Higgs through a Reinterpretation of a Dark Meson Search with ATLAS Experiment Based on Run 2 data of LHC Proton-Proton Collisions”

Advisor: Stephanie Majewski

Master's Candidates

Samantha Rae Callos
Conner Eric Carnahan
Kyle Thomas Cole
Dominic Aeneas Dams
Thomas Dylan Driscoll
Calla Ann Hinderks
Gabriel Alejandro Jacobo Pamplona

Raylor Ruile Liu
Lexington Amber Mandachi
Benjamin Robert Mannix
Oliver Y. Miller
Eleanor Alexandra Schnee
Natalie Kaye Velez
Juliet Adrienne Wright

Baccalaureate Candidates

Calvin Zachary Ajizian ⁶
Mason Earl Andrews
Emily Patricia Reis Avey ^{2 4 6}
Joshua Robert Braband
Michaela Marie Cheechov ^{3 6}
Isabelle Ann Shupe Dana ^{2 4 6}
Aidan P. Gardner-O'Kearny ^{4 6}
Elias S. Herb ^{2 6}
Maxwell Martin Howard ^{2 6}
Holden Emmett Jose ⁶
Evan James Knox

Sophia Marie Labucay
Declan Xavier Lynch ^{3 6}
Silkie Lehua Melloul
Owen A. J. Mitchem ⁶
Marcus Daniel Polk ⁶
Gage Rehberger
Talia Marae Ruehr
Jack Thomas Siekkinen ^{1 6}
Drew Jackson Tweedale ⁶
Jon S. Tyson ^{3 6}

Minor Degree Candidates

Ryan S. Doolittle
Keagan D. Brenna
Shane Murphy Cameron-Pizzo

Henry Allen Gipson
Christopher A. Mongar

¹ summa cum laude ² magna cum laude ³ cum laude ⁴ Phi Beta Kappa ⁵ Oregon Six ⁶ department honors

UNIVERSITY OF OREGON

John Karl Scholz, President

Christopher P. Long, Provost and Senior Vice President

Chris Poulsen, Tykeson Dean of Arts and Sciences

Elliot Berkman, Divisional Associate Dean, Natural Sciences

ALUMNI ASSOCIATION

To learn more about the UO Alumni Association,
visit alumni.uoregon.edu

HONORING NATIVE PEOPLES AND LANDS

The University of Oregon is located on Kalapuya Ilihi, the traditional indigenous homeland of the Kalapuya people. Following treaties between 1851 and 1855, Kalapuya people were dispossessed of their indigenous homeland by the United States government and forcibly removed to the Coast Reservation in Western Oregon. Today, descendants are citizens of the Confederated Tribes of the Grand Ronde Community of Oregon and the Confederated Tribes of the Siletz Indians of Oregon, and continue to make important contributions in their communities, at UO, and across the land we now refer to as Oregon.

We express our respect for all federally recognized tribal nations of Oregon. This includes the Burns Paiute Tribe; the Confederated Tribes of the Coos, Lower Umpqua and Siuslaw Indians; the Confederated Tribes of the Grand Ronde Community of Oregon; the Confederated Tribes of Siletz Indians of Oregon; the Confederated Tribes of the Umatilla Indian Reservation; the Confederated Tribes of Warm Springs; the Coquille Indian Tribe; the Cow Creek Band of Umpqua Tribe of Indians; and the Klamath Tribes. We also express our respect for all other displaced Indigenous peoples who call Oregon home.

