

**PHYSICS FACULTY POSITION IN EXPERIMENTAL ATOMIC, MOLECULAR,
AND OPTICAL PHYSICS**
Department of Physics
Colorado State University

JOB DESCRIPTION

The **Department of Physics, Colorado State University**, Fort Collins, Colorado, seeks to hire a tenure-track faculty member at the rank of Assistant Professor with research interests in **experimental atomic, molecular, and optical physics**. Exceptional candidates from all areas of AMO physics are encouraged to apply, especially those working in the fields of quantum information science (i.e., quantum metrology and sensing) and precision measurement. Colorado State University is a land-grant institution with a strong commitment to research and scholarly excellence.

The Department of Physics is comprised of 21 faculty members with research programs in atomic, molecular, and optical physics; condensed matter physics; and high-energy and particle astrophysics. The AMO program includes experimental groups in precision spectroscopy of simple atoms and ions, ultra-cold atoms and plasmas, single atom detection for neutrino physics, XUV laser physics, and quantum-enabled studies of fundamental physics.

The appointed individual is expected to: (1) build a forward looking and internationally recognized research program within the framework of their individual areas of interest and expertise that is consistent with the goals and objectives of a university environment; (2) actively participate in the teaching/mentoring/advising of undergraduate and graduate students; (3) participate in department and university administrative governance functions; (4) engage in scholarly/professional endeavors to support their continued growth as a teacher and a scholar; and (5) fulfill the general faculty responsibilities in the *Academic Faculty and Administrative Professional Manual*, <https://facultycouncil.colostate.edu/faculty-manual/>.

Applicants must hold a Ph.D. or equivalent degree in physics or a related field. Postdoctoral and/or substantial experience beyond the Ph.D. is expected. Candidates should have an excellent record of research that includes significant publications in refereed journals. Evidence of initiative and leadership in research, and the potential to develop a vigorous, internationally recognized research program is essential. Candidates should have strong communication skills and a commitment to excellence in teaching, mentoring and advising at the undergraduate and graduate levels. Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department's commitment to diversity and inclusion.

Starting Date: August 2022 or as appropriate.

Starting salary range: \$78k - \$90k (9 month)

Deadline: Applications completed by **December 3, 2021** will receive full consideration but applications will be accepted until the position is filled. The application materials of semifinal candidates, including letters of reference, will be made available for review by the entire faculty of the Department of Physics.

Complete applications consist of a cover letter; detailed CV; description of research plans; description of teaching interests; description of potential contributions to advance diversity, equity, and inclusion (DEI) at Colorado State University. Three letters of reference are also requested; please provide names and contact information for three referees. References will be contacted immediately upon submission of application and will receive an email with a link to submit their letter. The letters of recommendation may be submitted up to one week after the full consideration date. No mail in applications or letters will be accepted. Applications should be submitted online at <https://jobs.colostate.edu/postings/93906>. Application materials will be reviewed by the search committee and the application materials for semi-finalists will be shared with the full Department of Physics faculty.

Questions should be directed to **Chair, AMO Physics Search Committee,**
AMO_Physics_Search@mail.colostate.edu. (note underscore)

Information about the Department of Physics may be found at <http://www.physics.colostate.edu>. Colorado State University, with an enrollment of about 33,000 students, holds the prestigious Tier 1 - Very High Research Activity ranking from the Carnegie Foundation. Fort Collins is consistently ranked as one of the best places to live in the United States. It is an attractive community of about 170,000 inhabitants at the base of the Front Range of the Rocky Mountains, 65 miles north of Denver. The city offers a pleasant climate with excellent schools and abundant cultural and recreational opportunities nearby. More information on Fort Collins is available at <https://www.fcgov.com/>. The Front Range is a high-technology hub, with companies such as AMD, Intel, Xilinx, HP, LSI Logic, IBM, Sun Microsystems, Lockheed Martin, Ball Aerospace, Honeywell Quantum Solutions, ColdQuanta, and Lucent Technologies.

The Department of Physics at Colorado State University values diversity of background as well as diversity of perspective by embracing a wide, inclusive definition of diversity, including: culture, ideas and approaches, ethnicity, gender identity and expression, geographic background, national origin, and religious and spiritual beliefs.

Colorado State University is committed to providing an environment that is free from discrimination and harassment based on race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or pregnancy and will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. Colorado State University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State

laws, regulations and executive orders regarding nondiscrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services.

Colorado State University strives to provide a safe study, work and living environment for its faculty, staff, volunteers and students. To support this environment and apply with applicable laws and regulations, CSU conducts background checks. The type of background check conducted varies by position and can include, but is not limited to, criminal (felony and misdemeanor) history, sex offender registry, motor vehicle history, financial history and/or education verification. Background checks will be conducted when required by law or contract and when, in the discretion of the university, it is reasonable and prudent to do so.