

Assistant Professor in Atomic, Molecular, and Optical (AMO) Physics

Posting Details

Working Title	Assistant Professor in Atomic, Molecular, and Optical (AMO) Physics
Position Location	Fort Collins, CO
Posting Number	202100298F
Proposed Annual Salary Range	\$78,000 - \$90,000 Salary is commensurate with experience and qualifications.
Employee Benefits	Colorado State University (CSU) is committed to providing employees with a strong and competitive benefits package that supports you, your health, and your family. Visit CSU's Human Resources website for detailed benefit plan information for permanent full-time and part-time faculty and administrative professional employees in the following University benefit areas: https://hr.colostate.edu/hr-community-and-supervisors/benefits/benefits-eligibility/ and https://hr.colostate.edu/prospective-employees/our-perks/ .
Position Type	Faculty
Work Hours/Week	40
Description of Work Unit	<p>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 physics and particle astrophysics. The AMO program includes experimental groups in precision spectroscopy of simple atoms and ions, ultracold atoms and plasmas, single atom detection for neutrino physics, XUV laser physics, and quantum-enabled studies of fundamental physics.</p> <p>Information about the Department of Physics may be found at http://www.physics.colostate.edu. This site also has links to information about Fort Collins and its environs. Colorado State University, with an enrollment of about 28,000 students, holds the 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 Front Range has developed into a high-technology hub, with companies such as AMD, Intel, HP, LSI Logic, IBM, Sun Microsystems, Lockheed Martin, Ball Aerospace, and Lucent Technologies.</p>
Tenure/Tenure Track?	Yes
% Research	45
% Teaching	45
% Service	10
% Administration	0
To ensure full consideration, applications must be received by 11:59pm (MT) on	12/03/2021

Number of Vacancies	1
Desired Start Date	08/16/2022
Position End Date	
Position Summary	<p>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 (AMO) 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.</p>
Conditions of Employment	Pre-employment Criminal Background Check (required for new hires)
Required Job Qualifications	Applicants must hold a Ph.D. or equivalent degree in physics or a related field.
Preferred Job Qualifications	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, equity and inclusion.
Special Instructions to Applicants	<p>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 should be received within one week after full consideration date. 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. No mail-in applications or letters will be accepted. Applications completed by December 3, 2021, will receive full consideration, but applications will be accepted until the position is filled.</p>
Background Check Policy Statement	<p>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 comply 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 history, sex offender registry, motor vehicle history, financial history, and/or education verification. Background checks will also be conducted when required by law or contract and when, in the discretion of the University, it is reasonable and prudent to do so.</p>
EEO Statement	<p>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/expression, or pregnancy in its employment, programs, services and activities, and admissions, and, in certain circumstances, marriage to a co-worker. The University 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 and equal access institution and affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State laws, regulations, and executive orders regarding non-discrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services.</p>

The Title IX Coordinator is the Director of the Office of Title IX Programs and Gender Equity, 123 Student Services Building, Fort Collins, CO 80523-0160, (970) 491-1715, titleix@colostate.edu.

The Section 504 and ADA Coordinator is the Director of the Office of Equal Opportunity, 101 Student Services Building, Fort Collins, CO 80523-0160, (970) 491-5836, oeo@colostate.edu.

The Coordinator for any other forms of misconduct prohibited by the University's Policy on Discrimination and Harassment is the Vice President for Equity, Equal Opportunity and Title IX, 101 Student Services Building, Fort Collins, Co. 80523-0160, (970) 491-5836, oeo@colostate.edu.

Any person may report sex discrimination under Title IX to the [Office of Civil Rights, Department of Education](#).

Diversity Statement

Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department's commitment to diversity and inclusion.

Search Contact

AMO_Physics_Search@mail.colostate.edu

Essential Duties

Job Duty Category

Research

Duty/Responsibility

The appointed individual is expected to 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.

Percentage Of Time

45

Job Duty Category

Teaching

Duty/Responsibility

The appointed individual is expected to actively participate in the teaching/mentoring/advising of undergraduate and graduate students. They will be expected to teach courses in physics at all levels.

Percentage Of Time

45

Job Duty Category

Service

Duty/Responsibility

The appointed individual is expected to participate in department and university administrative governance functions, engage in scholarly/professional endeavors to support their continued growth as a teacher and a scholar and fulfill the general faculty responsibilities in the Academic Faculty and Administrative Professional Manual, <https://facultycouncil.colostate.edu/faculty-manual/>.

Percentage Of Time

10

References Requested

Minimum Requested

3

Maximum Requested

3

Supplemental Questions

Required fields are indicated with an asterisk (*).

Applicant Documents

Required Documents

1. Cover Letter
2. Curriculum Vitae
3. Statement of Research Interests
4. Statement of Teaching Interests
5. Statement of Commitment to Diversity and Inclusion

Optional Documents