

PHYSICS FACULTY POSITION IN THEORETICAL HIGH-ENERGY PHYSICS
Department of Physics
Colorado State University

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| JOB DESCRIPTION |
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The **Department of Physics, Colorado State University**, Fort Collins, Colorado, seeks to hire one tenure-track faculty member at the rank of Assistant Professor with research interests in **theoretical high-energy physics**. Exceptional candidates will be considered for positions with a more senior rank. Candidates whose research complements the CSU program in high-energy physics and particle astrophysics (HEPPA) are strongly encouraged to apply. Colorado State University is a land-grant institution with a strong commitment to scholarly excellence and to research that impacts society and addresses global problems.

The Department of Physics is comprised of 21 faculty members with research programs in atomic, molecular, and optical physics; condensed matter physics; and HEPPA. Members of the CSU HEPPA research group work on theoretical pursuits in dark matter, neutrino physics and particle cosmology, and several forefront experiments: the Deep Underground Neutrino Experiment (DUNE), NOvA, the Fermilab Short-Baseline Neutrino (SBN) program, MicroBooNE, EXO-200, and nEXO. Group members study neutrino flavor oscillations and neutrino interactions, search for evidence of sterile neutrinos, dark matter and neutrinoless double beta decay, and utilize high-performance computing for HEP applications (SciDAC4). The HEPPA program has been designated a Colorado State University Program of Research and Scholarly Excellence.

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; (5) advance the Department's commitment to diversity and inclusion; and (6) fulfill the general faculty responsibilities in the *Academic Faculty and Administrative Professional Manual*,

<http://www.facultycouncil.colostate.edu/files/manual/table.html>.

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 including 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/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 through research, teaching and outreach with relevant programs, goals, and activities.

Starting Date: August 2022 or as appropriate.

Deadline: Applications completed by **November 11, 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 at Colorado State University. Three letters of reference are also requested; please provide names and contact information for three referees. Applications should be submitted online at

<https://jobs.colostate.edu/postings/93929>

Questions should be directed to **Chair, HEPPA Search Committee**,

physics_hep@mail.colostate.edu.

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 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.

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.

The Title IX Coordinator is the Executive Director of the Office of Support and Safety Assessment, 123 Student Services Building, Fort Collins, CO 80523 -2026, (970) 491-7407.

The Section 504 and ADA Coordinator is the Associate Vice President for Human Capital, Office of Equal Opportunity, 101 Student Services Building, Fort Collins, CO 80523-0160, (970) 491-5836.