

Faculty in Applications of Physics to Particle Accelerators
(Tenure Track/Tenured)
Old Dominion University

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Posted Nov. 4, 2024, set to expire Nov. 1, 2025

Job Title	Faculty in Applications of Physics to Particle Accelerators (Tenure Track/Tenured)
Department	AI CLUSTER HIRE INITIATIVE
Institution	Old Dominion University Norfolk, Virginia
Date Posted	Nov. 4, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Professor
Academic Field(s)	Physics - General
Job Website	https://jobs.odu.edu/postings/21999

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Job Description

The Department of Physics and the Center for Accelerator Science at Old Dominion University invite applicants for a tenure track/tenured position (depending on experience) in Accelerator Science to begin in Fall 2025 as part of a multi-position hiring initiative for **Applications of Data Science, Engineering, and/or Physics to Particle Accelerators**. This position is expected to be made at the rank of Assistant Professor, but an appointment at a higher rank will be considered for exceptionally qualified candidates.

The appointee will maintain a vibrant, externally funded interdisciplinary research program in accelerator science using artificial intelligence (AI)/machine learning (ML), engineering, physics and/or related scientific approaches to study topics such as accelerator design and development, advanced performance optimization and analysis of accelerators, large-scale simulations of accelerator

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performance, and control optimization of accelerators using advanced AI/ML techniques. Collaboration with other faculty in Physics, Engineering, and the School of Data Science at ODU as well as accelerator scientists at the nearby Thomas Jefferson National Accelerator Facility (Jefferson Lab) will be encouraged.

Other Responsibilities:

- Teach undergraduate and graduate courses, including for the Virginia Innovative Traineeship in Accelerators (VITA) program and the US Particle Accelerator School (USPAS).
- Advise graduate students.
- Provide service to their department and the University.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact