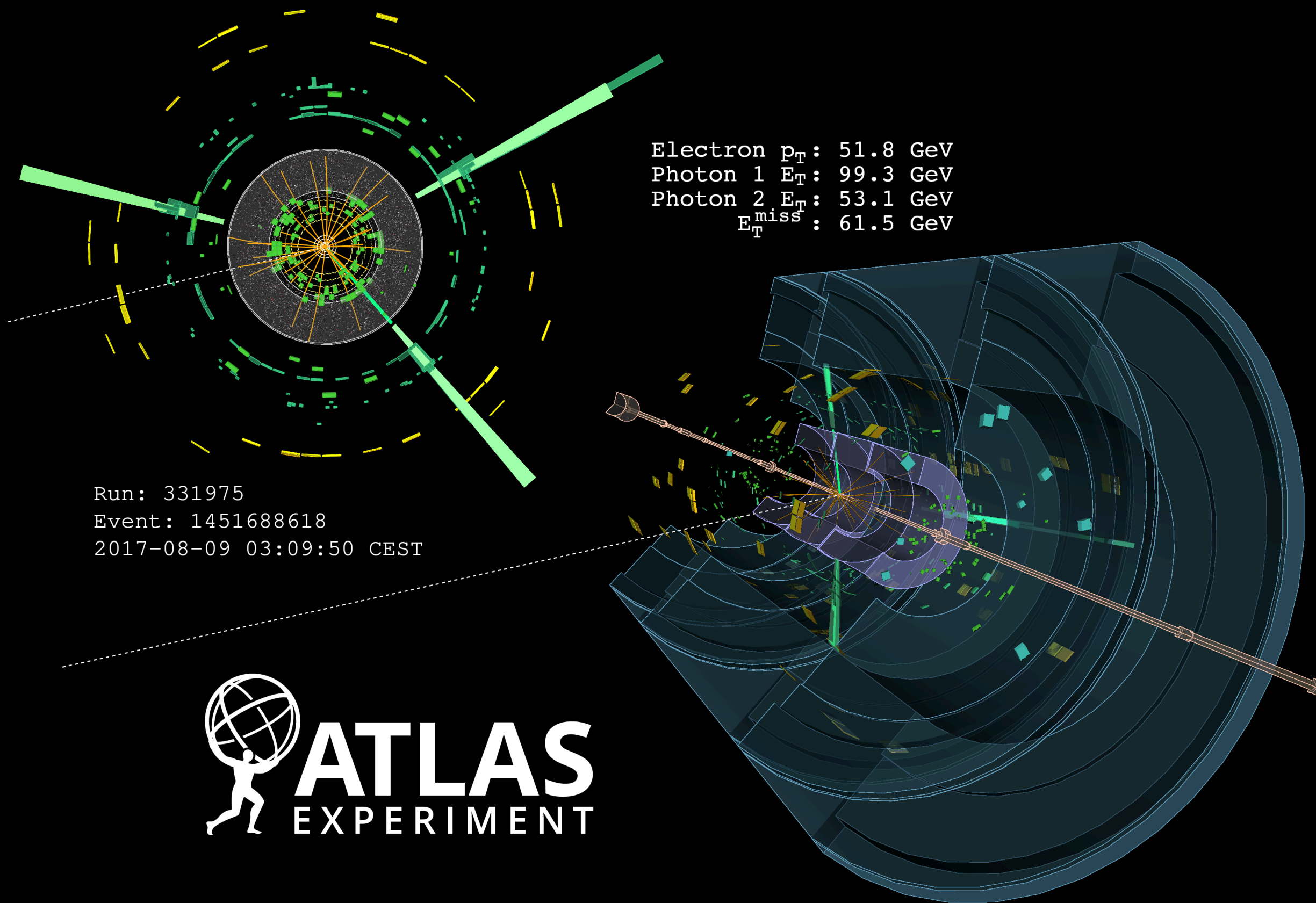
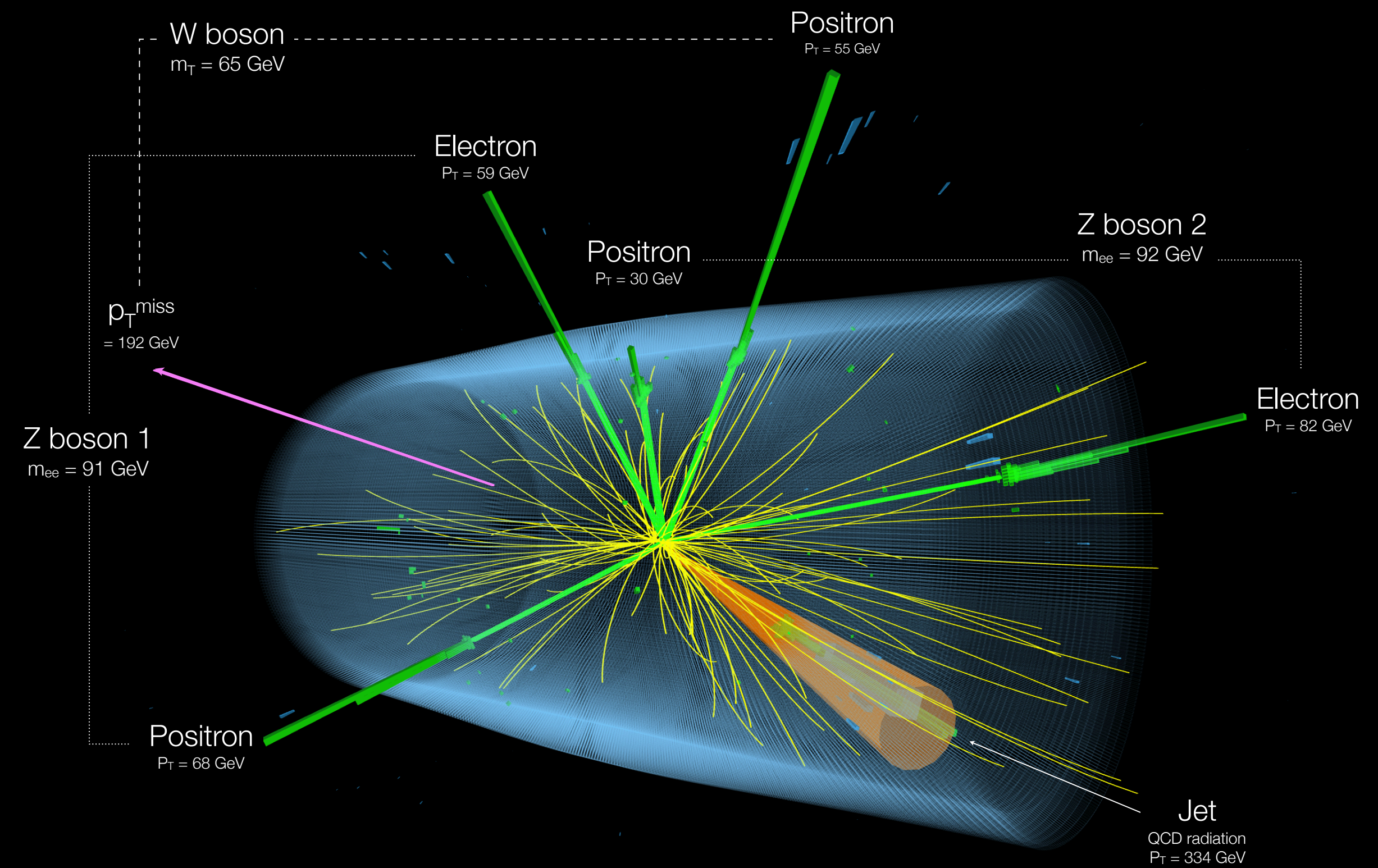


Interested in multiboson physics? and machine learning, event generators, future colliders...



WZZ \rightarrow 5 lepton event

CMS experiment at the LHC, CERN
Data recorded: 2016-Oct-09 21:24:05.010240 GMT
Run 282735, Event No. 989682042 LS 491



Join my group!



Saptaparna Bhattacharya

- I joined Southern Methodist University as an Assistant Professor in the fall of 2024
- I am building my new group and recruiting one postdoc and two students
- I am looking for a postdoc to work on the **ATLAS** experiment
- Can be based at CERN or Dallas
- My research interests lie in multiboson physics, polarization measurements and effective field theories
- I am also interested in studying event generators on GPUs and contributing to ATLAS upgrades



AY 2024-2025 - Position No. 53660 - Post Doctoral Position in Physics

Southern Methodist University: Dedman College of Humanities and Sciences: Department of Physics

Location

Dallas, Texas

Open Date

Oct 02, 2024

Description

Applications are invited for a postdoctoral researcher in the ATLAS group at Southern Methodist University (SMU). SMU has an active ATLAS group with interests in multiboson physics, Higgs measurements and Higgs-sector-related searches, as well as a presence in detector upgrade work in the Liquid Argon Calorimeter, the Pixel Detector, and trigger and data acquisition. The successful candidate will work on multiboson analyses, specifically triboson measurements, with LHC Run 2 and Run 3 data. The candidate will work on software and computing tasks in ATLAS and will additionally have an opportunity to contribute to the SMU group's work on ML-based triggers. The successful candidate has the option of either being based at CERN or in Dallas.

SMU is a nationally-ranked, private, non-sectarian research institution located in one of the nation's fastest growing metropolitan areas. Our colleagues are part of an inclusive and intellectually vibrant community of internationally recognized scholars across the humanities, social sciences, mathematical sciences, engineering, and business.

Position is still open! Please apply!

Qualifications

Minimum qualifications: completed requirements for a doctoral degree in physics or related field by November 1, 2024.

This position requires a Ph.D. in physics or a related field. We welcome candidates seeking an inclusive and dynamic team.

Preferred qualifications: Experience in working on large scale software development in a particle physics experiment.

Start Date: Position begins December 1, 2024.

Start Date: Position begins December 1, 2024.

<https://apply.interfolio.com/156416>