

The **Experimental Particle Physics** group at the **Johns Hopkins University** invites applications for **postdoctoral Fellowship positions**. The William H. Miller III Department of Physics and Astronomy has opened several prestigious Fellowship positions in any area of Physics and Astronomy:

<https://academicjobsonline.org/ajo/jobs/28776>

Applicants are requested to list the names of faculty members whose interests most closely resemble theirs. Consideration of applications will begin in January 2025 and continue until all available positions are filled.

The collider-based Experimental Particle Physics is one of the areas of focus in the Department. The efforts include the Compact Muon Solenoid (CMS) experiment at LHC, dark matter searches with the fixed-target SpinQuest experiment at FNAL, and feasibility studies of a Future Circular Collider. The CMS group (Profs. Gritsan, Maksimovic, Swartz) has played a significant role in discovery and characterization of the Higgs boson, pursued searches for new beyond-the-standard-model phenomena and tests of electroweak theory, and engaged in development of phenomenological tools for LHC data analysis. There is a possibility to play a leading role in the analysis of the full Run-3 dataset, support of the CMS silicon pixel detector calibration and alignment, and engage in Phase-2 upgrade of the silicon pixel detector. The group is also involved in upgrade of the SpinQuest experiment with the target to search for dark matter and feasibility studies for future Higgs factories.

For further details about the application process, please refer to AcademicJobsOnline.