



PRE-FACULTY FELLOWSHIP
CMS EXPERIMENT GROUP
DEPARTMENT OF PHYSICS AND
ASTRONOMY
WAYNE STATE UNIVERSITY,
DETROIT, MI



The Department of Physics and Astronomy seeks applications for a 12-month Pre-Faculty Fellow to work with the WSU group on the CMS experiment at *Conseil Européen pour la Recherche Nucléaire* (CERN). The Fellow will be based at Wayne State, with support for periodic travel to CERN and collaborating institutes. The current WSU area(s) of research specialization are doubly charged Higgs and dark photons, and measurements of top production and multi-boson scattering. Associated areas are the development of gas-electron multiplier detectors for the endcap muon system, and silicon strip detectors for the outer tracker. The Fellow can choose to work on existing WSU projects or other ones in CMS. The fellow chosen for this position will be mentored by Wayne State University CMS faculty Robert Harr and/or Paul Karchin.

This position is one of several under the inaugural Wayne State University Pathway to Faculty Program which includes structured mentoring, resources for the establishment of an independent research program, and the support of a community committed to diversity, equity and inclusion. The Pathway to Faculty Program offers up to three years of pre-faculty support (research funds, infrastructure, mentorship, teaching experience) to facilitate the development of a sustainable research program. Subject to attainment of expected milestones, the Fellow will transition to the position of tenure-track assistant professor.

We seek candidates who, through their lived experience, have developed insight into the challenges faced by historically marginalized groups in their path towards a career in scientific research and education. A Ph.D. or equivalent degree is required, and previous postdoctoral experience is desirable, but not required. Applications should be submitted electronically using the link:

<https://waynetalent.csod.com/ux/ats/careersite/2/home?c=waynetalent&sq=req676>

Applicants should submit a curriculum vitae, statement of research interests, and statement describing past experiences and future goals towards promoting diversity, equity and inclusion in research and education. In addition, the applicant should provide names and contact information for three people who can provide letters of reference on request. While letters of recommendation will not be solicited for the initial evaluation of candidates, applicants should ensure that letters will be submitted promptly upon request.

Applications submitted by March 1, 2023 will receive full consideration. Informal inquiries are welcome and should be sent to Prof. Paul Karchin, Search Committee Chair, at karchin@wayne.edu.

Wayne State University is a premier, public, urban research university located in the heart of Detroit where students from all backgrounds are offered a rich, high-quality education. Our deep-rooted commitment to excellence, collaboration, integrity, diversity and inclusion creates exceptional educational opportunities preparing students for success in a diverse, global society. WSU encourages applications from women, people of color and other underrepresented people. WSU is an affirmative action/equal opportunity employer.