The High Energy Physics group at the University of Nebraska-Lincoln (UNL) seeks to hire a Postdoctoral Research Associate to join its research program on the CMS experiment at CERN's Large Hadron Collider. The CMS group presently consists of five faculty members, two postdocs, and four graduate students. In addition to CMS, the HEP group also participates in the Askaryan Radio Array neutrino experiment at the South Pole. Current responsibilities in CMS include hosting a Tier-2 computing center, contributing to electron and photon reconstruction and identification algorithm development, and playing a leading role in the R&D for the next generation CMS pixel detector as well as operations of the present CMS forward pixel detector. The group pursues physics measurements in the Higgs, electroweak, top-quark, and beyond-the-standard-model areas. The HEP group also includes one theorist-phenomenologist and a theory postdoc who work on LHC-related topics.

The successful applicant is expected to play a leadership role in CMS physics measurements and operations. A strong contribution to one of the areas of responsibilities of the UNL HEP group (most likely the electron and photon reconstruction and identification effort) is anticipated, but other contributions to CMS can be discussed. The research associate is foreseen to be resident at CERN, although residency at Fermilab's LHC Physics Center (LPC) or on-campus in Lincoln can also be considered.

To qualify, candidates must have received a Ph.D. in experimental high energy physics within the last five years. Applications must include a letter of application, curriculum vitae, publication list, a statement of research interests, and at least three letters of reference. Application materials should be sent to Beth Farleigh (PhysicsSearch@unl.edu, Department of Physics and Astronomy, Jorgensen Hall Rm 208, 855 N. 16th Street, Univ. of Nebraska, Lincoln, NE 68588-0299). Applications received by April 15, 2018, will receive full consideration, but the review of applications will begin
immediately and continue until suitable candidates are found.

As an EO/AA employer, qualified applicants are considered for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See http://www.unl.edu/equity/notice-nondiscrimination.