

**Job Title: High Energy Nuclear Physics Postdoc**

**Location: Los Alamos, NM, US**

**Organization name:P-25/Subatomic Physics**

### *What You Will Do*

The Physics Division at Los Alamos National Lab is recruiting postdocs in the High-Energy Nuclear Physics team of the Subatomic Physics Group (P-25) to work on data analysis of the PHENIX experiment at RHIC.

P-25 was the leading institution in the construction and operation of the muon arms and Forward Vertex Detector (FVTX) at PHENIX. Now that the PHENIX operation has ended we are focusing on the analysis of the data taken from 2014-2016. This data set is much larger than all of the combined data from the previous 14 years. This high statistics set provides the opportunity to study heavy flavor and quarkonia with unprecedented precision at RHIC using the FVTX detector. This provides a great opportunity for the post-doc to accumulate paper publications and visibility in the heavy ion field.

The postdoc term is for two years, with an option to renew for a third year. Outstanding candidates have a chance to be considered for the prestigious Richard P. Feynman, Darleane Christian Hoffman, J. Robert Oppenheimer, or Frederick Reines Fellowships at the Lab. The postdoc will also have the opportunity to join one of our parallel efforts, including the R&D for a MAPS-based vertex detector for sPHENIX (MVTX), nuclear physics at the LHCb/CERN, spin physics and dark photon searches with the SeaQuest/Fermilab E1039 experiments, and applied programs throughout the Lab.

### *Where You Need*

#### **Desired Skills:**

- experience with data analysis using C++, Shell, ROOT
- experience with detector operation and R&D
- creativity and independence in proposing new ideas and experiments
- paper publication record

**Education:** The applicant is required to have a Ph.D. or equivalent in high-energy particle or nuclear physics within the past five years, or soon to be completed.

**Notes to Applicants:** In addition to applying on-line, applicants should submit a resume, a brief description of research interests and three reference letters addressed to Cesar L. da Silva ([cesar\\_luiz@lanl.gov](mailto:cesar_luiz@lanl.gov)). This position does not require a security clearance, U.S. citizenship or residency. We particularly encourage applications from under-represented groups in the field; such as women, Afro-Americans, Native Americans, Hispanics and Latin Americans.

### **Additional Details:**

Position does not require a security clearance. Selected candidates will be subject to drug testing and other pre-employment background checks.

**New-Employment Drug Test:** The Laboratory requires successful applicants to complete a new-employment drug test and maintains a substance abuse policy that includes random drug testing.

For general information go to [Postdoc Program](#).

### **Equal Opportunity:**

Los Alamos National Laboratory is an equal opportunity employer and supports a diverse and inclusive workforce. All employment practices are based on qualification and merit, without regards to race, color, national origin, ancestry, religion, age, sex, gender identity, sexual orientation or preference, marital status or spousal affiliation, physical or mental disability, medical conditions, pregnancy, status as a protected veteran, genetic information, or citizenship within the limits imposed by federal laws and regulations. The Laboratory is also committed to making our workplace accessible to individuals with disabilities and will provide reasonable accommodations, upon request, for individuals to participate in the application and hiring process. To request such an accommodation, please send an email to [applyhelp@lanl.gov](mailto:applyhelp@lanl.gov) or call 1-505-665-4444 option 1.

### ***Where You Will Work***

Located in northern New Mexico, Los Alamos National Laboratory (LANL) is a multidisciplinary research institution engaged in strategic science on behalf of national security. LANL enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile, developing technologies to reduce threats from weapons of mass destruction, and solving problems related to energy, environment, infrastructure, health, and global security concerns.

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Applicants can go to [www.jobs.lanl.gov](http://www.jobs.lanl.gov) , and search for the job ID IRC60056