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## Postdoctoral Research Staff Member

**Location:** Livermore, CA  
**Category:** Post Docs  
**Organization:** Physical and Life Sciences  
**Posting Requirement:** External Posting  
**Job ID:** 100894  
**Job Code:** Post-Dr Research Staff 1 (PDS.1)  
**Date Posted:** March 21 2016

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#### *Science and Technology on a Mission!*

For more than 60 years, the Lawrence Livermore National Laboratory (LLNL) has applied science and technology to make the world a safer place.

We have an opening for a Postdoctoral Researcher to make independent contributions to nuclear data measurements. You will develop and execute the nuclear data focused fission TPC experiment.

#### ESSENTIAL DUTIES

- Participate in development of the fission TPC experiment.
- Perform independent research and provide solutions for experimental physics.
- Publish research results in peer-reviewed scientific or technical journals and present results at external conferences, seminars, and/or technical meetings.
- Pursue independent (but complementary) research interests and interact with a broad spectrum of scientists internally and externally.

#### Qualifications

- Recent PhD in nuclear physics, high energy physics or related field.
- Demonstrated knowledge of radiation detector development, in particular Time Projection Chambers.
- Demonstrated knowledge of C++, Geant4, ROOT, and the efficient use of large multi-core computer clusters.
- Demonstrated ability to work independently as well as in multidisciplinary research teams.
- Demonstrated interpersonal skills necessary to interact with a diverse set of scientists, engineers, and other technical and administrative staff.
- Demonstrated fundamental written and verbal communication skills necessary to deliver presentations and prepare written reports.

#### Desired Qualifications

- Background in fission physics.
- Experience working in multi-institutional collaborations.

**Pre-Employment Drug Test:** External applicant(s) selected for this position will be required to pass a post-offer, pre-employment drug test.

**Anticipated Clearance Level:** None.

**Note:** This is a two-year Postdoctoral appointment with the possibility of extension to a maximum of three years. Eligible candidates are recent PhDs within five years of the month of the degree award at time of hire date.

#### About Us

Lawrence Livermore National Laboratory (LLNL), located in the San Francisco Bay Area (East Bay), is a premier applied science laboratory that is part of the National Nuclear Security Administration (NNSA) within the Department of Energy (DOE). LLNL's mission is strengthening national security by developing and applying cutting-edge science, technology, and engineering that respond with vision, quality, integrity, and technical excellence to scientific issues of national importance. The Laboratory has a current annual budget of about \$1.5 billion, employing approximately 6,500 employees.

LLNL is an affirmative action/ equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, marital status, national origin, ancestry, sex, sexual orientation, gender identity, disability, medical condition, protected veteran status, age, citizenship, or any other characteristic protected by law.

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- Postdoctoral Research Staff Member (100993)
- Postdoctoral Research Staff Member- Polymer Chemistry (101084)
- Postdoctoral Research Staff Member (101011)

