

HALL D STAFF SCIENTIST
SALARY RANGE: \$51,800 - \$82,000 (SS I)
\$65,300 - \$103,100 (SS II)

Description

Thomas Jefferson National Accelerator Facility (Jefferson Lab) is a basic research laboratory built to study the quark structure of matter using a continuous electron beam accelerator. Together with the upgrade of the accelerator energy from 6 to 12 GeV, a new experimental facility, Hall D, for high-intensity photon beam experiments, is under construction. The initial goal of Hall D is a comprehensive search for hybrid mesons, whose existence is expected within QCD. Jefferson Lab has an opening for a Staff Scientist position to work on this project.

The successful candidate will assume a leading role in the construction, implementation, and operation of a subsystem(s) of Hall D experiments. He/she will be actively engaged in the research effort including the execution of the initial physics program in Hall D, and in developing of new research areas, in collaboration with the other Hall D staff and the external user community.

Requirements

Ph.D. in experimental nuclear, particle, or high-energy astrophysics is required. The successful candidate should have a high degree of expertise in more than one of the following areas:

- design, fabrication, assembly and operations of large, complex detectors;
- modern high rate data-acquisition and trigger systems;
- charged particle tracking;
- data analysis of large-scale detectors;
- bremsstrahlung photon beam production and monitoring;
- hadronic physics analysis.

For more information and on-line application, visit our website at www.jlab.org/jobs

For any further questions arising from this advertisement please contact: Dr. E. Chudakov (gen@jlab.org).

Applicants should provide CV (can be done on-line), a publication list with copies of recent still unpublished work, and arrange at least three letters of reference sent to: Human Resources Consultant, JSA/Jefferson Lab, 628 Hofstadter Road, Suite 2, Newport News, VA 23606. Deadline for applications: June 1, 2009

Employer

Jefferson Lab is located in Newport News, Virginia. As a part of the Department of Energy's Office of Science National Laboratory System, Jefferson Lab runs a continuous electron beam accelerator which delivers a high power polarized electron beam with unique properties, and provides a user facility for scientists worldwide. More information can be found on the website www.jlab.org. Jefferson Lab is an Equal Opportunity Employer.