US CMS Upgrade Project Manager
(Scientist I or Scientist II)

Description
The Fermilab Particle Physics Division seeks strong candidates to join its CMS Department and act as the Project Manager for the Phase I United States Compact Muon Solenoid (US CMS) upgrade project. The selected professional will be appointed to either a Scientist I or Scientist II position, which is roughly equivalent to a university associate professor or full professor, respectively.

The US CMS Upgrade Project plans to start construction in FY2014 with an expected FY2018 project completion. This will be a joint project between the US Department of Energy (DOE) and the National Science Foundation (NSF) with an anticipated total budget of about $40M. The project will require close working relations and coordination with other laboratories and university groups. Select responsibilities include the potential to:

- Act as project team leader, which includes responsibility for project planning and management, for the US CMS Phase I upgrade.
- Collaborate with US CMS, Fermilab management and staff, and DOE and NSF officials to achieve project goals.
- Analyze problems, produce effective solutions and evaluate results.
- Participate on scientific teams within the Particle Physics Division CMS Department. Support other CMS Department activities and responsibilities as needed as a secondary responsibility.
- Perform data analysis, prepare physics proposals, and physics talks and presentations. Publish papers related to scientific research.
- Serve on committees and professional organizations. Lecture in the related field of science.

Appointment is without term limit and the selected candidate will be evaluated and placed at the appropriate scientific job level based on qualifications and the amount of relevant experience s/he possesses.

Specific Qualifications and Essential Job Functions

Scientist I
- Ph.D. in particle physics or relevant scientific discipline.
- 6+ years of experience in particle physics since Ph.D.
- Demonstrated ability to carry out independent research representing original contributions either in science or in an area of technology recognized as significant by the broader international scientific community and document results articulately.
- Ability to oversee and implement project design, scheduling and budget development/control and to direct the work of other employees.
- Effective communication skills for productive interaction with administrative, engineering and scientific staff.
- Familiarity with the DOE Critical Decision process.

Scientist II
- Ph.D. in particle physics or relevant scientific discipline.
- 12+ years of experience in particle physics since Ph.D.
- Demonstrated ability to generate and carry out undirected research with considerable latitude for unreviewed action or decision establishing a record of professional achievement in the field that is recognized by the broader scientific community.
- Demonstrated leadership ability pertaining to scientific or technical achievement in a professional specialty. Experience supervising other employees in the execution of major programs, projects and/or managing and performing project design, scheduling and budget development/control.
- Accomplished communication skills for effective interaction with administrative, engineering and scientific staff.
- Facility with the DOE Critical Decision process.

General Qualifications
- Prolonged mental concentration and sitting.
- Ability and willingness to qualify for work in radiological areas (e.g., radiation areas, high radiation areas, high magnetic fields).
- Ability to qualify for work in Oxygen Deficiency Hazard areas.
- Ability to travel by automobile and/or commercial air carrier both domestically and internationally.
- Respect, understand and value individual differences that embody the principles of diversity.
- Abide by all environment, safety and health regulations.

Application Instructions
In addition to completing the online resume profile at https://fermi.hodesig.com/, candidates must also send a curriculum vitae and at least three (3) letters of reference to: Dr. Michael Lindgren and Dr. Patricia McBride, c/o Ms. Luz Jaquez, Fermilab, PPD/CMS Department, P.O. Box 500, M.S. 208, Batavia, IL 60510-5011, USA. All materials must be received by no later than Tuesday, January 15, 2013. Applications will be treated in strict confidence and only applicants being seriously considered for this position will be contacted.

There is no legal requirement that Fermilab sponsor an employee for U.S. permanent residence. As a result, Fermilab will make the decision to sponsor an employee on a case-by-case basis. Fermilab will consider the following factors, among others, when determining whether to sponsor an employee for U.S. permanent residence: performance, length of service, long-term need for the position, and cost.

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