

Recruitment

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PLEASE CONTACT US FOR INFORMATION ABOUT RATES, COLOUR OPTIONS, PUBLICATION DATES AND DEADLINES.



The Laser Interferometer Gravitational-Wave Observatory (LIGO) has as its goal the development of gravitational wave physics and astronomy. The LIGO Laboratory is managed by Caltech and MIT, and is funded by the National Science Foundation. It operates observatory sites equipped with laser interferometric detectors at Hanford, Washington and Livingston, Louisiana, which recently made the first confirmed detection of gravitational waves. A vigorous LIGO Laboratory R&D program supports the development of enhancements to the LIGO detector as well as astrophysical data analysis, and development of future detectors and detector technologies.

The LIGO Laboratory anticipates having one or possibly more postdoctoral research positions at one or more of the LIGO sites – Caltech, MIT and at the two LIGO Observatories in Hanford, WA and Livingston, LA – beginning in Fall 2017. Hires will be made based on the availability of funding. Successful applicants will be involved in the operation of LIGO itself, analysis of LIGO data, both for diagnostic purposes and astrophysics searches, and/or the R&D program for future detector improvements. We seek candidates across a broad range of disciplines. Expertise related to astrophysics, modeling, data analysis, electronics, laser and quantum optics, vibration isolation and control systems is desirable. Most importantly, candidates should be broadly trained scientists, willing to learn new experimental and analytical techniques, and ready to share in the excitement of building, operating and observing with a gravitational-wave observatory. Appointments at the post-doctoral level will initially be for one-year with the possibility of renewal for up to two subsequent years.

Postdoctoral Research Positions LIGO Laboratory

Applications for postdoctoral research positions with LIGO Laboratory should indicate which LIGO site (Caltech, MIT, Hanford, or Livingston) is preferred by the applicant. Applications should be sent to HR@ligo.caltech.edu (Electronic Portable Document Format (PDF) submittals are preferred). Caltech and MIT are Affirmative Action/Equal Opportunity employers. Women, minorities, veterans, and disabled persons are encouraged to apply.

Applications should include curriculum vitae, list of publications (with refereed articles noted), and the names, addresses, email addresses and telephone numbers of three or more references. Please attach a cover letter describing past experience and current and future research interests. Applicants should request that three or more letters of recommendations be sent directly to HR@ligo.caltech.edu (Electronic Portable Document Format (PDF) submittals are preferred). Consideration of applications will begin December 15, 2016 and will continue until all positions have been filled.

Caltech and MIT are Affirmative Action/Equal Opportunity Employers. Women, Minorities, Veterans, and Disabled Persons are encouraged to apply.
More information about LIGO available at www.ligo.caltech.edu

Become a physics examiner with Cambridge

Cambridge International Examinations is growing and over 10000 schools in more than 160 countries are now part of our Cambridge learning community. To support our continued growth worldwide, we are inviting teachers to develop their professional practice by becoming physics examiners for Cambridge IGCSE and Cambridge International AS & A Level.

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LEADER OF RESEARCH PROGRAMME 2

X-ray sources driven by ultrashort laser pulses

The suitable candidate will be responsible for the delivery of X-ray sources driven by ultrashort laser pulses and their integration into the ELI Beamlines facility.

The candidates are expected to comply with the following requirements:

1. PhD in the field of laser plasma physics
2. Post-doc in laser driven X-ray sources would be a plus
3. Working experience of minimum 5 years in the field of laser driven X-ray sources with an excellent record of publications in this field in international peer-reviewed journals
4. Working experience in management of a larger research group
5. Willing to travel and English language on a very good level (written and spoken)

Location: ELI Beamlines, Institute of Physics ASCR, Dolní Břežany, Czech Republic

Applicants should provide their CV and cover letter (in English) along with a complete list of publications. They should single out 5 most important publications with the description of their contribution. All these materials should be sent to hr@eli-beams.eu. The deadline for applications is open.

Please include the following text in your cover letter, to allow us to process your personal details:

I agree that, according to the decree 101/2000 coll. [Czech Republic], my personal details sent to FZU AV CR, v.v.i., Na Slovance 2, 18221 Praha 8, Czech Republic can be used for the purpose of obtaining employment and management of database of employment candidates. This permission is given for the period of one year and can be at any time withdrawn by giving a notice in writing.



Call to scientific institutes for collaboration in the context of the Beamline for Schools competition at CERN



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In 2017 CERN will, for the fourth time, organize a Beamline for Schools (BL4S) Competition that invites high school students from around the world to make a proposal for an experiment at a beam line of the PS accelerator.

In the framework of this project, CERN invites scientific institutes to participate in the organization of the competition by contributing the expertise of two young researchers (physicist, computer scientist or engineer) for the period from 1 February 2017 to 30 September 2017, subject to a possible extension.

A detailed description of the project and the qualification and skills required from the young researchers can be found at: <http://cern.ch/go/tdD8>

The modalities of the proposed collaboration will be set out in a dedicated agreement between CERN and the institute(s) concerned.

For further information, interested institutes may contact: markus.joos@cern.ch

Details about the competition itself can be found at: www.cern.ch/bl4s



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become the scientists of tomorrow!**



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c/o CERN, Geneva, Switzerland

www.cern.ch/giving
partnerships.fundraising@cern.ch



John Bahcall Postdoctoral Researcher

WIPAC at the University of Wisconsin–Madison invites applications for the John Bahcall Fellowship for outstanding postdoctoral fellows to work with the IceCube neutrino experiment. The fellowship honors the late John Bahcall, an inspiring mentor to generations of scientists and founding member of IceCube.

The successful candidate will:

- Conduct independent research in experimental neutrino physics and astronomy
- Secure a three-year appointment
- Receive a \$12,000 research budget in addition to a competitive salary




Apply now, deadline: Nov. 1, 2016
more information: wipac.wisc.edu/careers/bahcall



Senior and Junior Researchers, Postdoctoral research assistants,
PhD students, Engineers, Physicists and Technicians at
**Extreme Light Infrastructure –
Nuclear Physics (ELI-NP)**



Extreme Light Infrastructure – Nuclear Physics (ELI-NP) will be a new Center for Scientific Research to be built by the National Institute of Physics and Nuclear Engineering (IFIN-HH) in Bucharest-Magurele, Romania.

ELI-NP is a complex facility which will host two state-of-the-art machines of high performances:

- A very high intensity laser with two 10 PW lasers;
- A very high intensity laser with two 10 PW lasers; A very intense, brilliant γ beam, very low bandwidth, with E_γ until 19 MeV, which is obtained by incoherent Compton back scattering of a laser light off an intense electron beam ($E_e > 700$ MeV) produced by a warm LINAC.

The jobs description, the Candidate's profiles and the Rules of Procedures of Selection can be found at <http://www.eli-np.ro/jobs.php>.

The applications shall be accompanied by the documents required in the Rules and Procedures of Selection for these positions

The applications shall be sent to the Human Resources Department at human.resources@eli-np.ro.

IFIN-HH – ELI-NP is organizing competitions for filling the following positions:

Senior and Junior Researchers,
Postdoctoral research assistants,
PhD students, Engineers/Physicists (laser engineers for 10PW lasers; control systems; contamination control; particle accelerators; mechanics; optics; electronic; vacuum R&D) and Technicians (vacuum systems-laser operations; vacuum R&D; detectors, DAQ and control systems)