RF ACCELERATION STRUCTURES ENGINEER/SCIENTIST

The ESS-Bilbao Consortium (ESS-B), located in Bilbao, Spain, and founded by the Governments of the Basque Country and the central Government of Spain, is at present developing an accelerator research facility for fundamental and applied research using neutron and proton beams. The RF group currently has a vacancy

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Description: This is a post within the Acceleration Structures group. The candidate will be required to become familiar with science and technology of RF acceleration structures and, in particular, Drift-Tube LINAC (DTL), which are a standard component in linear particle accelerators. Candidate will work on mechanical, thermal and electromagnetic analysis, as well as on installation and commissioning of DTL structure, including precise alignment of the drift tubes with respect to the girder, which will be helpful in the commissioning and operation of the ESS-Bilbao accelerator.

Qualifications and experience: Candidates should have an Engineering/Physics degree (or higher) with skills in electromechanical analysis and simulation.

Language skills: Excellent oral and written English is essential; knowledge of French, German and other European languages would be an advantage.

Notes: Selected candidates may be required to stay two years in international scientific facilities such as ISIS, CERN, ILL, etc., and to carry out research assignments in these locations. Selected candidates will be subject to an initial three-year contract, which may be extended.

How to apply: Send a copy of your CV as well as a cover letter and some references if available to: Personnel Department, Att.: ESS-BILBAO Recruitment: direccion@essbilbao.com. Vacancy reference: DTL/EICOI-2010.