

## Ref. I/17/05 Health physicist for Radiation Protection

Elettra-Sincrotrone Trieste is an international multidisciplinary research center operated as a user facility, featuring a 2.4 GeV, third-generation synchrotron light source and a variety of support laboratories. The extremely high quality of the machine and beamlines has set new performance records and has been producing results of great scientific interest. See <http://www.elettra.eu> for more information. A free-electron laser (FEL) based, fourth generation source - FERMI - is currently under commissioning. See <http://www.elettra.eu/lightsources/fermi.html> for more information.

As part of its contribution to the international projects in which Italy is involved, Elettra will also participate in the design and construction of large experimental physics facilities being built in Europe.

**Job Description:** The radiation protection service of an accelerator facility is in charge of a number of duties ranging from personnel risks evaluation to environmental radiation monitoring and shielding calculation, as well as design and implementation of personnel safety systems.

The successful candidate will be involved in the activities of the Elettra radiation protection team for the development and operation of new experimental physics facilities. In particular, he/she will analyze safety aspects and interact with the people involved in the design of personnel protection systems. He/she will also participate in the preparation of formal project documents and contribute to the preparation of the response of Elettra to call for tenders.

He/she will mainly operate in Trieste with periods of work at international projects sites.

### Qualifications: Qualifications

The candidate should have a degree in physics or nuclear engineering and, in addition, a specialization in radiation protection / medical physics or an equivalent experience of at least two years.

Assets will be:

- a proven experience in the development and implementation of Personnel Safety Systems;
- experience in the use of FLUKA Monte Carlo simulation code;
- accreditation as "qualified expert in radiation protection" (according to the Italian D.L.vo 230 and s.m.i.).

Good time management skills and ability to prioritize are expected, together with the capacity to interact with staff and to work as part of a multi-disciplinary team. Good oral and written communication skills in Italian and English are essential.

The search will be opened on July 18 and will be closed on September 15, 2017. The appointment envisioned is a fixed term contract of an initial duration of 18 months, renewable upon mutual consent. The salary will be commensurate with previous experience and qualifications of the candidate. Applications should include a full curriculum vitae.

We thank all applicants in advance.

Applications should be sent by e-mail [jobs@elettra.eu](mailto:jobs@elettra.eu)

The position number **I/17/05** should be clearly written on the application. The application must be accompanied by the following signed statement:  
"The undersigned authorizes Elettra - Sincrotrone Trieste S.C.p.A. to handle his/her personal data for the purpose associated with the present announcement, within the meaning of Italian D.Lgs. 196/03".

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