

The department Protons for Therapie is looking for:

Postdoctoral Scientist (f/m) in the field of Physics

Reference No.: NP 2018/14

The proton irradiation centre at HZB is Germany's first proton therapy facility and unique in its technical capability. Patients with eye tumours are being treated with proton beams since June 1998 in cooperation with the Charité - Universitätsmedizin Berlin, Campus Benjamin Franklin.

In addition to treatment operation, the department is involved in accelerator physics research, e.g. beam delivery, dosimetry and accelerator development.

Tasks

- Design study for a dedicated 70 MeV cyclotron for the treatment of intraocular tumors
- Comparison of simulations with practical studies at the HZB cyclotron

Requirements

- Relevant Postgraduate Degree.
- mathematical and computational skills
- Experience with simulation programs
- Experience of accelerator physics of either a practical or theoretical nature

What we offer

Fixed term contract for 36 months . The salary is based on the Collective Agreement for the German Public Service (TVöD-Bund).

We particularly welcome applications from women. Preference will be given to handicapped applicants provided equal suitability.

How to apply

Have we sparked your interest? Then we look forward to receiving your application by 12.12.2018.

For German version, please click on the following link: [German Version](#).

Helmholtz-Zentrum Berlin für Materialien und Energie GmbH
Hahn-Meitner-Platz 1
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www.helmholtz-berlin.de

Helmholtz-Zentrum Berlin für Materialien und Energie (HZB) operates two large facilities for materials research: the neutron source BER II and the synchrotron source BESSY II, which provide deep insights into the structure of materials and the processes within complex systems. Other important focuses of HZB research are thin film photovoltaics and solar fuels. Each year around 3,000 scientists use the HZB infrastructure facilities.

SCIENCE + CAREER + DIVERSITY = HZB

... is the formula for our successful human resources policy. We offer wide-ranging internal and external training programs for our employees as well as a special support program for young scientists. Our family-friendly workplace policy includes flexible working hours, telework arrangements and holiday programs for employees' children.

CONTACT FOR FURTHER INFORMATION:

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