



Space Radiation Environment Research Contract

LIP opens a 42 months position for an experimental particle physicist in the area of Space Radiation Environment and Radiation Effects, in the framework of LIP activities related to the European Space Agency, ESA. This research contract may be renewed, upon satisfactory performance of the candidate and depending on future developments of LIP activities in this field.

The candidate will develop his/her work at LIP in Lisbon, in the LIP group for “Radiation Environment Studies and Applications for Space Missions” and should be available for frequent travels to ESA European Space Research Technology Center, in the Netherlands, and to other facilities in Europe, if needed.

Position

- Significant contribution for the group R&D activities;
- Studies of the radiation environment in space and in planetary environments; development, optimization and test of space radiation monitors; test and study of the degradation of electronic devices with radiation; dosimetry for space. In particular, the position involves the participation in the development of a Particle Radiation Detector for the next Large ESA mission to Jupiter (JUICE);
- Participation on the supervision of students and post-docs.

Requirements

- PhD in Physics or Physics Engineering and a minimum of 3 years of postdoctoral experience;
- Solid CV in the areas of detector development, detector simulations based on object-oriented software, event reconstruction and data analysis. Experience with the Geant4 simulation toolkit and ROOT package is particularly advantageous;
- Preference is given to applicants with experience in the supervision of students;
- Teamwork experience is required;
- Communication skills and very good knowledge of English.

Conditions offered

Minimum conditions are equivalent to level 195 of Portuguese research career in the public sector (gross income approximately 39000 €/year). A probation period of 6 months is required.

For further questions, please contact Dr. Patrícia Gonçalves, patricia@lip.pt.

Please send your application, including a CV with a list of publications and two letters of reference, also by email to:

LIP Directorate,
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Deadline for applications: 28 September 2014
www.lip.pt