

LIP Post-Doctoral position

Space Radiation Environment

LIP opens a 3 months Post-Doctoral position in the area of Space Radiation Environment.

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 must be available for travels to the ESA European Space Research Technology Center, in the Netherlands, and to other facilities in Europe.

The position will involve the study of components degradation with the radiation environment in space and in planetary environments. The candidate shall participate in the eCo-60 project to assess the representativeness of Co-60 irradiation of components to be flown in the JUICE mission to Jupiter. The work will involve the preparation of irradiation test plans including the identification of important parameters of the electronic devices and its measurement.

Experience with detector development, and simulation using object-oriented software, namely Geant4 and ROOT, and expertise in event reconstruction and data analysis will be particularly advantageous. The candidate should have a PhD in Physics Engineering or equivalent and have experience with the development of DAQ systems. The candidate is expected to contribute significantly to the activity of the Group, including to the supervision of PhD and MSc students.

The position is open until 29 January 2015.

Candidates should send their CVs, including a list of publications with bibliographical references, and letters of Reference to

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Further information on the work developed at LIP can be found at www.lip.pt/~space.
For additional information contact Patrícia Gonçalves (patricia@lip.pt).