JOB DESCRIPTION

Job Title: Electronics Technician

Department / Unit: Physics

Grade: RHUL 5

Accountable to: Prof. Jocelyn Monroe

Purpose of the Post
The role holder will provide technical support in the design and testing of components and instrumentation that will comprise the DarkSide experiment at LNGS, Italy.

Key Tasks
The main responsibilities of the post are:

- Assembly and installation of complex electronics equipment and diagnostic instruments to establish the DarkSide sensor production line, ensuring the work is completed according to schedule and within budget. This involves the use of precision measurement equipment to ensure components are assembled and performant within the required tolerances.
- Installing the cabling, including connectors, and ancillary items that make up the DarkSide photoelectronics infrastructure. This requires testing using specialised equipment to ensure signal integrity.
- Liaising with suppliers of electrical and mechanical components, and with contractors of manufacturing services, both internal and external.
- Maintaining an inventory of components and assembled items, and creating and maintaining a log of the status of the constructed items.
- To provide assistance to the research staff at RHUL in the development of instrumentation, including construction of some electronic systems and modules.
- To act as a point of contact in the main photoelectronics production area, and to liaise with the UK production engineer and technicians on a regular basis.
- To report progress at photoelectronics working group meetings.

Any other duties as required by the line manager or Head of Department that are commensurate with the grade.
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<th>Other Duties</th>
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<td>The duties listed are not exhaustive and may be varied from time to time as dictated by the changing needs of the College. The post holder will be expected to undertake other duties as appropriate and as requested by his/her manager.</td>
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<td>The post holder may be required to work at any of the locations at which the business of Royal Holloway is conducted.</td>
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