## JOB DESCRIPTION

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Research Associate in ATLAS research group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department / Unit:</td>
<td>Physics</td>
</tr>
<tr>
<td>Job type</td>
<td>Fixed term, full time</td>
</tr>
<tr>
<td>Grade:</td>
<td>7</td>
</tr>
<tr>
<td>Accountable to:</td>
<td>Prof Veronique Boisvert</td>
</tr>
<tr>
<td>Accountable for:</td>
<td>37 months</td>
</tr>
</tbody>
</table>

### Purpose of the Post

The main purposes of the post are to undertake research activities related with the exploitation of data collected by the ATLAS detector.

### Key Tasks

- To participate in the physics activities and research programme of the ATLAS group at RHUL in view of measurements using data collected by the ATLAS detector
- To perform studies related with the development of advanced statistical and machine learning methods applied to particle physics
- To perform studies related with the performance of ATLAS analysis objects
- To participate in the ATLAS detector operation in the areas of the responsibility of the RHUL ATLAS group
- To maintain accurate and complete records of all findings
- To document the results of studies
- To write reports for submission to research sponsors
- To present findings to colleagues and at conferences
- To draft and contribute to publications for submission to refereed journals
- To provide guidance to staff and students
- To attend relevant workshops and conferences as necessary
- To assist in the supervision of postgraduate students
- To take initiative in the planning of research activities in the group
- To promote the reputation of the group, the Department and the College
### Other Duties

To undertake appropriate administration tasks.
To attend relevant departmental and College meetings.
To undertake any necessary training and/or development.
To undertake specific safety responsibilities relevant to individual roles, as set out in the College procedures.
To maintain safe workplace practice and procedures in accordance with the requirements of Health and Safety legislation.
To maintain an up-to-date knowledge of relevant statutory Health and Safety legislation and recommendations and attend safety training as required.
To observe and comply with all College policies and regulations.

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.

The post holder may be required to work at any of the locations at which the business of Royal Holloway is conducted, including CERN.

### Internal and external relationships

The following list is not exhaustive, but the post holder will be required to liaise with:
- Members of the RHUL ATLAS group
- Members of the ATLAS collaboration