# JOB DESCRIPTION

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Research Associate in High Energy Physics</th>
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<tbody>
<tr>
<td>Department / Unit:</td>
<td>Physics</td>
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<tr>
<td>Job type</td>
<td>Research</td>
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<tr>
<td>Grade:</td>
<td>7</td>
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<tr>
<td>Accountable to:</td>
<td>Professor Jocelyn Monroe</td>
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<tr>
<td>Accountable for:</td>
<td>N/A</td>
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</tbody>
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The main responsibilities of the post are:

- To perform a beam test of the HPTPC prototype detector to quantify performance
- To prototype the Si Pb detector
- To perform detector calibrations and develop calibration analysis tools
- To analyse data and interpret any results obtained
- To ensure the validity and reliability of data at all times
- To maintain accurate and complete records of all findings
- To produce and document the results of such 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 take part in the supervision of postgraduate students
- To take initiatives in the planning of research
- To promote the reputation of the Group, the Department and the College

Other duties for this post include:

- To undertake appropriate administration tasks
- To attend relevant 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
- Maintain safe workplace practice and procedures in accordance with the requirements of Health and Safety legislation;
- 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
Other Duties

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.