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| **JOB DESCRIPTION** |

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| **POST TITLE:** | Diagnostics Physicist |
| **DIVISION/DEPARTMENT:** | Technical/Diagnostics Group |
| **REPORTS TO:** | Senior Diagnostics Physicist | **GRADE** | 5 |

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| **AIM** |
| Support the operation and improvement of beam diagnostics equipment. Undertake studies and developments as agreed.  |

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| **ACCOUNTABILITIES** |
| * Ensure reliable and accurate operation of beam diagnostic systems.
* Work closely with other internal groups to ensure ultimate performance and precision of the installed diagnostics is achieved and performance limits are well understood.
* Work closely with the Accelerator Control Systems group to develop and implement reliable operator interfaces to all systems.
* Manage the maintenance and calibration of the associated diagnostics equipment.
* Conduct research into methods and techniques to improve existing or implement new measurements.
* Collaborate with beam line scientists to support correlation of observations.
* Maintain a current knowledge of other comparable projects. Communicate with physicists/scientists at other facilities to ensure exchange of knowledge.
* Develop and maintain technical expertise on diagnostics systems including development, operational support and analysis of installed systems.
* Produce reporting and documentation to support the delivery of systems and provide information to Group Leaders.
* Co-ordinate relationships with suppliers to procure and deliver services, equipment or expertise.

Specific• Focus on maintenance and development of X-ray beam diagnostics in the front ends and beamlines.• Work with beamlines regarding future requirements of X-ray beam position measurement.• Undertake research to improve beamline X-ray beam position monitors and develop new techniques. |

**Because of the changing nature of our business your job description will inevitably change. You will, from time to time, be required to undertake other activities of a similar nature that fall within your capabilities as directed by management.**