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| Human Resources |  | Date of Completion:  28 January 2019  Page: 1 of 1 |

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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.**