

JOB DESCRIPTION

Vacancy Ref:A3580-R

Job Title: Mechanical Engineer supporting Superconducting RF Engineering (Cockcroft Institute)	Present Grade: 7
Department/College: Engineering	
Directly responsible to: Prof Graeme Burt	
Supervisory responsibility for: n/a	
<p>Other contacts n/a</p> <p>Internal: All Lancaster Cockcroft staff and students</p> <p>External: All Cockcroft staff, Engineers at Daresbury Laboratory, collaborators at CERN, Fermilab, Jlab, ODU, LBNL and industrial partners..</p>	
<p>Major Duties:</p> <ul style="list-style-type: none"> To assist in the development of cryomodules superconducting crab cavities at the Cockcroft institute and at collaborating institutions, specifically for LHC upgrades <p>This will include:</p> <ul style="list-style-type: none"> Developing QA procedures for components Performing mechanical measurements on SRF cryomodule systems at CERN, manufacturers or Daresbury Visiting suppliers to perform QC on components Ensuring components meet acceptance criteria working with technical staff at Daresbury and CERN Working with technical staff to deal with nonconformities Production of drawings or CAD for components or assemblies meeting all QA requirements Liaising with CERN and STFC for approval of drawings and release to manufacturing Procuring mechanical systems, producing requests for tender Evaluating tender submission Mechanical design and analysis of RF cavities 	