

PERSON SPECIFICATION

Details on the qualifications, experience, skills, knowledge and abilities that are needed to fulfil this role are set out below.

Job Title: Research Associate in Dark Matter and Low Temperature Physics **Department: Physics**

	Essential	Desirable	Tested by Application Form/Interview/Test
Knowledge, Education, Qualifications and Training			
PhD in Experimental Particle Physics or Low Temperature Physics or closely related field (or soon to obtain one)	x		Application
Record of high-quality research	x		Application
Skills and Abilities			
Knowledge of Linux OS & C++ Programming Language	x		Application
Knowledge of python		x	Application
Effective communication skills	x		Interview
Ability to work well in a team	x		Interview
Experience			
Low-background experimentation including simulation, commissioning and/or data analysis		x	Application
Design, construction, and/or analysis of ULT experiments		x	Application
Design, simulation, construction, calibration and/or analysis of PMT, TES or SiPM detector systems		x	Application
Detector simulation and/or analysis framework software development		x	Application
Calibration and/or particle identification experience in noble liquid detectors.		x	Application

Other requirements			
Management of small teams		x	Interview
Strong self-motivation	x		Interview
Ability to work in underground laboratories		x	Interview
Occasional international travel		x	Interview
Occasional shift work at unsocial hours		x	Interview