



**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 Physics**

**Department: Physics**

	Essential	Desirable	Tested by (Application form, Interview, Test)
<b>Knowledge, Education, Qualifications and Training</b>			
PhD in Experimental Particle Physics or closely related field (or soon to obtain one)	X		Application form
Record of high-quality research	X		Application form
<b>Skills and Abilities</b>			
Knowledge of Linux OS & C++ Programming Language	X		Application form
Knowledge of python		X	Application form
Effective communication skills	X		Interview
Ability to work well in a team	X		Interview
<b>Experience</b>			
1. low-background experimentation including simulation, commissioning and/or data analysis;		X	Application form
2. design, construction, and/or analysis of He-3 experiments;		X	Application form
3. design, simulation, construction, and/or analysis of SiPM or TES detector systems;		X	Application form
4. detector simulation development;		X	Application form
5. analysis framework software development;		X	Application form
6. calibration and/or particle identification experience in noble liquid detectors.		X	Application form
<b>Other requirements</b>			
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