

PERSON SPECIFICATION

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

Job Title: Postdoctoral Research Associate in Neutrino Physics

Department: Physics

	Essential	Desirable	Tested by Application Form/Interview/Test
Knowledge, Education, Qualifications and Training			
PhD in Experimental Particle Physics or a closely related field (or soon to obtain one)	X		Application
Record of high quality research	X		Application
Skills and Abilities			
Knowledge of at least one of C++ or python	X		Application
Knowledge of modern software environments such as git, high performance computing environments, and containers		X	Application
Strong statistical knowledge for analysis, especially Markov chain Monte Carlo techniques		X	Application
Effective communication skills	X		Interview
Ability to work well in a team	X		Interview
Experience			
(a) High level analysis of particle physics data		X	Application
(b) Experience in neutrino oscillation experiments		X	Application
(c) Simulation of particle physics experiments		X	Application
(d) Experience with neutrino cross sections		X	Application
(e) Mentorship of PhD students		X	Application
Other requirements			
Management of small teams		X	Interview
Strong self-motivation		X	Interview
Occasional international travel		X	Interview
Occasional shift work at unsocial hours		X	Interview