

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 ATLAS
research group**

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) Knowledge of C++ programming language and Unix OS Knowledge and experience of data analysis techniques Knowledge and experience of advanced statistical and machine learning techniques	X X X	X	Application Application, Interview Application, Interview Application, Interview
Skills and Abilities Management of small teams Strong self-motivation Effective communication skills Ability to work well in a team Ability to work in underground laboratories Ability to work, possibly for extended periods of time, at external locations (such as CERN).	X X X X X	X	Application, CV CV, Interview CV, Interview CV, Interview CV, Interview CV, Interview
Experience Record of high-quality research Particle physics research software experience Development of advanced statistical or machine learning techniques experience	X X	X	CV CV CV
Other requirements Occasional international travel Occasional shift work at unsocial hours	X X		Interview Interview