



Job title	Research Associate/Fellow in Particle Cosmology	Job family and level	Research and Teaching Level 4 (Appointment will be Level 4 Career Training Grade where an appointment is made before PhD has been completed)
School/ Department	School of Physics and Astronomy	Location	University Park Campus

Purpose of role

To research ways of testing and constraining cosmological and modified gravity models in the late universe.

The researcher will be an integral part of a large and diverse team of researchers from both the Particle Cosmology group in the School of Physics and Astronomy, and the Gravity group in the School of Mathematical Sciences. They will also be a member of the Nottingham Centre of Gravity.

The main responsibility of this post will be to carry out independent research into cosmology and gravity as a means of testing fundamental physics. The researcher is also expected to actively contribute to the research activities of the Particle Cosmology and Gravity groups.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	To plan and conduct primary research towards the goals of the research project.	80 %
2	To write up research work for publication and contribute to the dissemination of research at scientific conferences. To assist in the dissemination of research outputs to the general public.	10 %
3	To assist where appropriate with supervising undergraduate and postgraduate students' projects as appropriate. To participate in the assessment of student knowledge and co-supervise projects at Masters level.	5 %
4	To build relationships with both internal and external contacts in order to exchange information, to form relationships for future collaborations and identify potential sources of funds and/or opportunities for collaboration.	5 %

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Excellent oral and written communication skills, including the ability to communicate complex information with clarity. 	
Knowledge and experience	<ul style="list-style-type: none"> ▪ Proven research track record in the study of the dark universe and gravity that fits with the research priorities of the STFC consolidated grant. ▪ Experience of applying the specialist skills and approaches and techniques required for the role. 	<ul style="list-style-type: none"> ▪ Track record of academic publications in a related area to the research proposal at an appropriate level for the career stage. ▪ Experience of developing new approaches, models, techniques, or methods in research area.
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ BSc/MPhys degree (or equivalent) in a physics related subject. ▪ PhD (or close to obtaining a PhD) in physics or mathematics related to the subject. 	



The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality Act 2010.



The University is a signatory of the Declaration on Research Assessment (DORA). As such we commit to focus on the scientific content of publications (where requested or provided as part of the recruitment and selection process) as a basis for review of quality, and consideration of value and impact of research conducted, rather than any proxy measures such as Journal Impact Factor.

Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
- Taking ownership** Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
- Forward thinking** Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
- Professional pride** Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
- Always inclusive** Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

Key relationships with others

