



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO
CODE 4545

ID

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di**
FISICA "ALDO PONTREMOLI"

Scientist- in - charge: Prof. GRILLO

[Name and surname]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Collier
Name	William Paul
Date of birth	21,07,1994

PRESENT OCCUPATION

Appointment	Structure
PhD Student	Centre for Extragalactic Astrophysics, Durham Univeristy

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Physics and Astrophysics	University of Birmingham	2016
Specialization			
PhD	The Initial Mass function in ETGs	Durham University	June 2020
Master	Msci	University of Birmingham	2016 (4th year included in degree)
Degree of medical specialization	N/A		
Degree of European specialization	N/A		
Other	Research Internship	University of Birmingham	2015



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City

FOREIGN LANGUAGES

Languages	level of knowledge
French, German	GCSE (Secondary School level)

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award

TRAINING OR RESEARCH ACTIVITY

description of activity

PROJECT ACTIVITY

Year	Project
2020	Subaru FOCAS - S20A: 2 nights visitor mode observations - Co-I on proposal, I lead target selection and carried out data processing during the nights
2019	ESO/VLT MUSE - P104: Resolving the IMF vs age controversy for a low- z strong-lensing elliptical galaxy - 2hrs - Wrote the proposal, prepared phase 2
2019	ESO/VLT MUSE - P104: Completing the MUSE Nearby Lens Search: Resolving the IMF controversy with low- z strong-lensing ellipticals - 18.2hrs - Co-I, prepared phase 2. Lead data analysis
2019	Subaru FOCAS - S19A: 2 nights visitor mode observations - Co-I on proposal, I lead target selection and carried out data processing during the nights
2019	ESO/VLT MUSE - P103: The MUSE Nearby Lens Search: Resolving the IMF controversy with low-redshift strong-lensing ellipticals - 14.3hrs - Co-I, Aided time justification, prepared phase 2. Lead data analysis
2018	ESO/VLT X-SHOOTER - P101Z: Confirming a new low-redshift lens candidate identified from GAIA DR2 - 1hr - Wrote the proposal, prepared phase 1 and phase 2. Lead data pipeline reduction and analysis
2017	ESO/VLT MUSE - P101: The MUSE Nearby Lens Search: Resolving the IMF



controversy with low-redshift strong-lensing ellipticals - 33.8hrs - Co-I, prepared phase 2. Lead subsequent data analysis

PATENTS

Patent
N/A

CONGRESSES AND SEMINARS

Date	Title	Place
2020	The new low-z strong lens J0403-0239	DEX XVI, Durham, UK
2019	The search for low-z strong lensing early-type galaxies with MUSE	DEX XV, Edinburgh, UK
2018	The search for low-z strong lensing early-type galaxies with MUSE	Friday Lunchtime Astrophysical Talk, Durham, UK
2018	MUSE Nearby Elliptical Lens Locator Survey	The Universe as a telescope: probing the cosmos at all scales with strong lensing, Milan, Italy
2018	The search for low-z strong lensing early-type galaxies with MUSE	Friday Lunchtime Astrophysical Talk, Durham, UK
2018	Investigating the stellar initial mass function with low redshift strong lensing early type galaxies	DEX XIV, Durham, UK
2017	Investigating the stellar initial mass function with low redshift strong lensing early type galaxies	The search for low-z strong lensing early-type galaxies with MUSE

PUBLICATIONS

Books

Articles in reviews
MNELLS: The MUSE Nearby Early-Type Galaxy Lens Locator Survey, paper, MNRAS accepted, 2020, Collier, William P. ; Smith, Russell J.; Lucey, John R.
Subaru FOCAS IFU observations of two strong-lensing systems from SDSS MaNGA, paper, MNRAS accepted, Smith, Russell J.; Collier, William P. ; Ozaki, Shinobu; Lucey, John R., 2020
'Upper-limit lensing': constraining galaxy stellar masses with singly imaged background sources, paper, MNRAS, Smith, Russell J.; Lucey, John R.; Collier, William P. , 2018, 10.1093/mnras/sty2328



A new strong-lensing galaxy at $z= 0.066$: another elliptical galaxy with a lightweight IMF, MNRAS, **Collier, William P.**; Smith, Russell J.; Lucey, John R., 2018, 10.1093/mnras/sty1188

Improved mass constraints for two nearby strong-lensing elliptical galaxies from Hubble Space Telescope imaging, MNRAS, **Collier, William P.**; Smith, Russell J.; Lucey, John R., 2018, 10.1093/mnras/stx2297

Congress proceedings

OTHER INFORMATION

Outreach - Schools Science Festival, Durham, UK - 2017,2018,2019

Outreach - Celebrate Science, Durham, UK - 2016,2017,2018

Committee - Postgraduate Journal Club - Weekly meeting of postgraduate students to discuss recently published papers - 2018-2019

Committee - Durham University Ultimate Frisbee Club - Captained the first team, and coached sessions throughout for approx. 20 people - 2019--present

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Durham, 9/3/20

SIGNATURE