

# Alison M. W. Mitchell

Physik-Institut  
Universität Zürich  
Winterthurerstrasse 190  
8057 Zürich  
Switzerland

Nationality: British  
ORCID 0000-0003-3631-5648  
alison.mitchell@physik.uzh.ch  
+41 (0)44 635 5527 [www.amwmitchell.com](http://www.amwmitchell.com)

## Employment

08-2018 – present Postdoc at the University of Zürich (full time)  
08-2016 – 07-2018 Postdoc at Max-Planck-Institut für Kernphysik, Heidelberg (33% employment)  
08-2016 – 07-2018 Assistant to the Project Scientist (Prof. J. Hinton) of the Cherenkov Telescope Array, CTAO gGmbH (67% employment)

## Education

09-2013– 07-2016 PhD in Physics (Magna cum Laude), University of Heidelberg,  
Supervisor: Prof. Dr. W. Hofmann, Max-Planck-Institut für Kernphysik, Heidelberg  
Thesis Title: “*Optical Efficiency Calibration for Inhomogeneous IACT Arrays and a Detailed Study of the Highly Extended Pulsar Wind Nebula HESS J1825-137*”  
09-2008 – 07-2013 BSc MPhys (Hons) in Physics with First Class Honours, University of Warwick, UK

## Teaching and Supervision

2020 Supervision of an undergraduate final degree project (Universidad de Cantabria)  
2019 Supervision of Euroscholars exchange programme student  
“*Muon Calibration algorithms for the Cherenkov Telescope Array*”  
2019 Supervision of Swiss-European Mobility Programme student  
“*Predicting the future Pulsar Wind Nebula Population in the TeV Sky*”  
2020 Lecturer for *Experimental Astroparticle Physics*: 4 out of 12 lectures  
25/03/2020 Guest lecture for *Nuclear and Particle Physics II*  
2018– 2019 Tutor for Physics III (modern physics) & physics laboratory for medicine students, Zurich  
2013– 2014 Tutor for undergraduate Introduction to Astrophysics I, Heidelberg

## Seminar Talks

21/10/2019 Invited Talk at EPFL, Lausanne  
30/08/2019 Invited Talk at DESY, Zeuthen  
21/01/2019 Invited Talk at Institut d’Astrophysique de Paris (IAP)  
12/11/2018 & 29/11/2017 Seminar Talks at University of Zurich (UZH)  
23/02/2017 Invited Talk at MSSL, University College London (UCL)

## Attendance at Conferences and Schools

June 2020	EAS 2020 (European Astronomical Society) virtual conference (Leiden) invited oral contribution
December 2019	TeVPA 2019 (TeV Particle Astrophysics), Sydney two oral contributions, one poster contribution
November 2019	CTA Linkages Meeting, Adelaide - invited talk
July 2019	36 <sup>th</sup> ICRC (International Cosmic Ray Conference) - poster contribution
October 2018	ISAPP School “LHC meets Cosmic Rays” at CERN - poster contribution
July 2017	35 <sup>th</sup> ICRC (International Cosmic Ray Conference) - oral contribution
July 2016	6 <sup>th</sup> International Symposium on Gamma-ray Astrophysics, Heidelberg poster contribution
March 2016	2 <sup>nd</sup> MERCUR Winter School, Physikzentrum Bad Honnef
August 2015	34 <sup>th</sup> ICRC (International Cosmic Ray Conference) - poster contribution
February 2015	HGSFP (Heidelberg Graduate School of Fundamental Physics) Winter School poster contribution
March 2014	DPG Frühjahrstagung (German Physics Society Spring Conference Particle Physics division) in Mainz - oral contribution
September 2013	IMPRS Summer School in High Energy Astrophysics

## Other

since 2020	Member of SWGO collaboration and Co-leader of the SWGO Galactic science task force
since 2020	Co-ordinator of a HESS task force (“Day Shifts”) - observation data quality monitoring
since 2020	Co-ordinator of a CTA task group (“Instrument Response Functions”)
since 2020	Reviewer for Astroparticle Physics journal
since 2019	Organiser of Experimental Particle and Astroparticle Physics Seminar, University of Zurich
since 2016	Contact person for target of opportunity observations of classical novae within H.E.S.S.
2019	Travel Grant from University Zurich for a research visit to University of Adelaide, Australia
2018, 2015	Observation proposals (for 2019 and 2016) accepted by the H.E.S.S. experiment
2019	Scientific Secretary for the CTA “Small Sized Telescope Harmonisation Review” panel
2018	Internal Reviewer for a CTA technical publication on calibration
2017– 2018	Organiser of four workshops on CTA requirements
Since 2013	Member of the H.E.S.S. collaboration
Since 2014	Member of the CTA consortium

**Programming:** Good knowledge of C/C++ and python

**Languages:** English - native, German - fluent, French - basic