

Alison M. W. Mitchell

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Employment

01/10/2021 – present DFG Emmy Noether Group Leader at ECAP, FAU
01/01/2021 – 31/08/2021 Postdoc at the ETH Zurich
01/08/2018 – 31/12/2020 Postdoc at the University of Zurich (full time)
01/08/2016 – 31/07/2018 Postdoc at Max-Planck-Institut für Kernphysik, Heidelberg (33% employment)
01/08/2016 – 31/07/2018 Assistant to the Project Scientist (Prof. J. Hinton) of the Cherenkov Telescope Array, CTAO gGmbH (67% employment)

Education

01/09/2013–
28/07/2016 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

Awarded Grants and Prizes

October 2021 DFG Emmy Noether Grant, Project Number 452934793, MI 2787/1-1
Project title: “*Unveiling the Origin of Galactic Cosmic Rays: Exploring Pulsar Environments at the Highest Energies*”
November 2020 Recipient of the H.E.S.S. Prize for “outstanding service contributions to the experiment”.
November 2019 University of Zurich Travel Grant for a research visit to University of Adelaide, Australia

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

Invited Talks

July 2021	37 th International Cosmic Ray Conference (virtual / Berlin) - invited Gamma-Ray Indirect Rapporteur talk
January 2021	Astronomy Winter School, NCTS Taiwan (virtual) - highlight science talk
December 2020	1st Workshop on gamma-ray halos around pulsars (virtual / Europe) - invited talk and SOC member
November 2020	CTA-Oz meeting (Sydney / virtual) - invited talk
June 2020	EAS 2020 (European Astronomical Society) virtual conference (Leiden) - invited talk
November 2019	CTA Linkages Meeting, Adelaide - invited talk
21/10/2019	Invited seminar talk at EPFL, Lausanne
30/08/2019	Invited seminar talk at DESY, Zeuthen
21/01/2019	Invited seminar talk at Institut d’Astrophysique de Paris (IAP)
29/11/2017	Invited seminar talk at University of Zurich (UZH)
23/02/2017	Invited seminar talk at MSSL, University College London (UCL)

Other Activities

2021	Deputy coordinator of the CTA “Analysis & Simulations Working Group”
since 2020	Member of SWGO collaboration and Co-leader of the SWGO Galactic science task force
2020-2021	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
2019-2020	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	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