

Curriculum Vitae of Frédéric Poidevin

Awarded Fellowships

- 2016-2017 Marie Curie Individual Fellowship — PolAME — H2020-MSCA-IF-2014

Financial Support

- 2021 IAC contribution to SPICA and multi-wavelength scientific exploitation (PID2019-105552RB-C43)
- 2019 IAC contribution to Space missions: developments for SPICA and Athena and multi-wavelength scientific exploitation of Herschel and other extragalactic surveys" (ESP2015-65597-C4-4-R and ESP2017-86582-C4-2-R)
- 2018 RADIOFOREGROUNDS European Union's Horizon 2020 research and innovation programme under grant agreement number 687312
- 2013 - 2015 EPI Consolider (Spanish Ministry of Science and Innovation project)
- 2011 - 2013 Leverhulme Trust (UK trust)
- 2008 - 2011 FAPESP grant number 2007/56302-4 (Brazilian Funding Agency)
- 2006 - 2007 FSE (European Social Fund)
- 2000 - 2006 Faculty of Graduate Studies, Université de Montréal, for excellence
- 1999 - 2000 Faculty of Graduate Studies, Université de Montréal, for excellence

Collaborations and Involvements

- 2021 – today **BISTRO collaboration**: B-fields In STar-forming Region Observations.
- 2019 – today **SIRAH collaboration**: Detection and classification of type Ia supernovae with ground based telescopes. Infrared observations of selected candidates with the HST.
- 2019 – today **LensWatch collaboration**: Search of SNe in galaxy-galaxy-lensed systems. The project was recently allocated 22 HST orbits over a period of 3 years.
- 2019 – today **SGLF** (Supernova and Gravitational Lenses Follow-up): Spectra analysis and transient classification.
- 2019 – today **SPICA ESA** candidate M5 mission preparation (Project is now aborted).
- 2016 – today **SKA** Cosmic Magnetism Science Working Group.
- 2013 – today **QUIJOTE CMB Experiment**. Multi Frequency Instrument (MFI) calibration characterization. Galactic Foreground Emission characterization between 10 and 20 GHz.
- 2011 – 2019 BLASTPol submm Balloon-Borne Experiment. Data reduction and data analysis of the 2010 and 2012 flights.
- 2007 – 2015 PLANCK HFI associate – data agreed - working group 7. Analysis of HFI polarimetry data for Galactic science.
- 2008 – 2011 IAG-USP - Galactic Star-Formation Polarimetry Survey. Observation and analysis of visible and IR imaging and polarimetry data from the survey. Set up of a server including all polarimetry data obtained from 2000.

Publications and Communications

- Publications including my PhD thesis are listed at the end of this document. Of these 35 are published in refereed journals and 28 are published in conference proceedings or other non-refereed publications or communication channels.
- At present (October 2021) the refereed publications have acquired a total of 959 citations. The most cited paper is the Planck intermediate results. XIX. An overview of the polarized

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thermal emission from Galactic dust with 282 citations. The most cited first author paper is Poidevin et al. (2010) with 38 citations. My h-index is 17. The citation records were taken from the NASA Astrophysics Data System: <http://adswww.harvard.edu/>

- Of the published papers, the vast majority are in high impact journals: Astrophysical Journal (impact factor 5.745), Monthly Notices of the Royal Astronomical Society (5.356), Astronomy and Astrophysics (5.636). Impact factors were taken from on October 1, 2021: <https://www.scijournal.org/search.html?search=astrophysics>
- In addition to the above, in the last 1.5 year, using the Liverpool Telescope and GTC, within the SIRAH and Supernova and Gravitational Lenses Follow-up (SGLF) projects, we reported to the IAU Transient Name Server (TNS) > 1500 discovery and > 80 classification reports of supernovae: https://wis-tns.weizmann.ac.il/search?&reporting_groupid%5B%5D=81

Memberships

- 2016 – 2018: Member of the EAS (European Astronomical Society).
- 2012 – 2018: Member of the RAS (Royal Astronomy Society).
- 2000 – 2006: Member of the CASCA (Canadian Astronomical Society).

Additional Professional Formation

- 2018 Self-Employment and Business Consolidation Program: Astrophysical sector. Incyde Foundation, European Social Fund and IACTech – 7 weeks. (Programa de Autoempleo y Consolidación Empresarial: Sector Astrofísico. Cámaras Fundación Incyde, Fondo Social Europea y IACTech - 7 semanas).
Project: SONIFICATION OF ASTROPHYSICAL DATA.

Academic Experience

- 2021-10 – 2022-06: Supervisor of graduate student ZAIRA DELGADO GONZÁLEZ during her TFG (end of graduate studies project). Co-supervisor: I. Pérez Fournon.
- 2021-03-22 – 2021-06-08 : ULL external tutor of graduate students ALMANZA MARRERO R JOSÉ ANTONIO, CEREZO ROQUEBRUN SERGIO GUILLERMO REYES RODRÍGUEZ ELENA, SOSA GUILLÉN PAULA and PEREIRA CASTRIOTA LUCAS MANUEL during the External Practise (PE) activities.
- 2015-07-01 – 2015-09-15 :
Summer Student Project: MEMORIA FINAL BECA DE VERANO 2015 IAC.
Co-supervision with Dr. Ricardo Genova Santos of Gonzalo Alonso Álvarez.
Title of the project: QUIJOTE MFI amplitude calibration using Jupiter.

Teaching Experience

- 2012 Teaching assistant - PHAS1240 : Computing Practical Skills 1C at UCL - 40 hours
- 2011 Teaching assistant - PHAS1240 : Computing Practical Skills 1C at UCL - 40 hours
- 2005 Teaching assistant - PHY1902: optics and electricity at UdeM - 50 hours (winter 2005)
- 2003 Teaching assistant - PHY1902: optics and electricity at UdeM - 50 hours (winter 2003)
- 2002 Teaching assistant - PHY1902: optics and electricity at UdeM - 100 hours (fall 2002)

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- 2002 Lecturer - PHY1902: optics and electricity at UdeM – 28.25 hours (winter 2002)
- 2002 Teaching assistant - PHY1902: optics and electricity at UdeM - 50 hours (winter 2002)
- 2001 Teaching assistant - PHY3214: Statistical mechanics at UdeM - 50 hours (fall 2001)
- 2001 Teaching assistant - PHY1902: optics and electricity at UdeM - 50 hours (fall 2001)
- 2001 Teaching assistant - PHY1902: optics and electricity at UdeM - 50 hours (winter 2001)
- 2000 Teaching assistant - PHY3214: Statistical mechanics at UdeM - 50 hours (fall 2000)
- 2000 Teaching assistant - PHY1902: optics and electricity at UdeM - 50 hours (winter 2000)

Allocated Time as Principal Investigator

- 2022 LCO1.0m telescopes – 66.5 hours. LCO1.0m Multi-Band Photometry of the SGLF and Superluminous Supernovae surveys best candidates. Semester A.
- 2021 NOT/ALFOSC imaging – 10 hours Target-of-Opportunity program on superluminous supernovae. Semester A.
- 2021 LT SPRAT + IO:O: 9 hours in mode B program to observe superluminous supernovae
- 2020 NOT/ALFOSC imaging – 0.5 hours scheduled in service time to observe SN2020znr
- 2020 NOT/ALFOSC imaging – 0.5 hours scheduled in service time to observe SN2020qlb
- 2018 IAC80/CAMELOT – 6 Hours.
- 2016 IAC80/CAMELOT – 4 Hours.
- 2015 QUIJOTE-1 + MFI – 200+ Hours
- 2008 to 2011 Observatorio do Pico dos Dias (Brasil), 60 cm and 1.6 m telescopes - 6 nights
- 2010 IRAM, Zeeman Measurements. 4 hours.
- 2001 to 2004 Observatoire du Mont-Mégantic (Canada), 1.6 m telescope – P.I. - ~ 52 hours.
- 2003 JCMT (Hawaii) - Submm polarimetry with SCUBA – 20 hours.
- 2001 JCMT (Hawaii) - Submm polarimetry with SCUBA – 8 hours.
- 2000 JCMT (Hawaii) - Submm polarimetry with SCUBA – 4 hours.

Allocated Time as Co-Investigator

- 2021 Liverpool Telescope. P.I.: Perez Fournon, I. – 21B: 16 hours, rank A.
- 2021 Liverpool Telescope. P.I.: Perez Fournon, I. – 21A: 19 hours, rank B.
- 2021 GTC: Space IR Missions, P.I.: Perez Fournon, I. – 21A: 5 hours, rank A.
- 2020 HST: Lensed Watched collaboration. P.I.: Steve Rodney. 22 Primary Spacecraft Orbits in Cycle 28
- 2020 HST: SIRAH collaboration: P.I. Saurabh W. Jha. 24 Hubble-flow SN Ia ($0.02 < z < 0.07$) with HST WFC3/IR in Cycles 27 and 28. Ground support.
- 2020 GTC: Space IR Missions, P.I.: Perez Fournon, I. – 20A: Rank A - 13 hours for OSIRIS optical imaging and spectroscopy, 15 hours for EMIR near-IR imaging and spectroscopy
- 2019 Liverpool Telescope: Space IR missions, P.I.: Perez Fournon, I. – 20A: 22 hours for IO:O optical imaging, 5 hours for SPRAT optical spectroscopy.
- 2019 GTC: Space IR Missions coll., P.I.: Perez Fournon, I. – 19A: 12 hours. 19B: 28 hours
- 2019 Liverpool Telescope: Space IR missions, P.I.: Perez Fournon, I. – 19A: 9.6 hours. 19B: 27 hours.
- 2018 VLA Telescopes – QUIJOTE collaboration – 4.5 hours.
- 2017 VLA Telescopes – QUIJOTE collaboration – 6 hours.
- 2016 VLA Telescopes – QUIJOTE collaboration – 3 hours.

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- 2015 VLA Telescopes – QUIJOTE collaboration – 4 hours.
- 2015 ATCA Telescope – BLASTpol collaboration - 13 hours.
- 2014 ATCA Telescope – BLASTpol collaboration - 40 hours.
- 2014 MOPRA Telescope – BLASTpol collaboration - 53.4 hours.
- 2013 MOPRA Telescope – BLASTpol collaboration - 9 days.
- 2012 MOPRA Telescope – BLASTpol collaboration - 10 days.

Support observer

- 2008 to 2011 Observatorio do Pico dos Dias (Brasil), 60 cm and 1.6 m telescopes. 44 nights.
- 2002 Bernard Lyot 2.0 m telescope (France) – Co.I. 7 nights.

Conferences/workshops organisation

- 2020 Member of the IAC committee organisation from may to august 2020.
- 2020 EWASS 29 June, 06 July, 2020. Organisation volunteer.
- 2020 ESA JWST Master Class. Tenerife, Spain, March 12 and 13, IAC Headquarters.
- 2018 CMB foregrounds for B-mode studies. Tenerife, Spain, October 15-18, 2018.
- 2018 AME workshop. Tenerife, Spain, October 19, 2018.

Conferences

- 2021 EWASS 2021 – 28 June, 02 July, Virtual Meeting.
Eposter: Testing the magnetar progenitor model of type I superluminous supernovae
- 2021 A precursor view of the SKA sky, 15-19 March, 2021.
Eposter: Looking for anomalous microwave emission in high redshift galaxies with the SKA
- 2020 EWASS 2020 – 29 June, 06 July, Virtual Meeting.
- 2020 Gotham SDSS virtual meeting, 22-26 June, 2020.
- 2019 EWASS 2019 – 24-28 June 2019, Lyon, France
ePoster: Galactic AME sources in the QUIJOTE-MFI North Hemisphere Wide-Survey
- 2019 mm Universe @ NIKA2 Grenoble, 03-07 June 2019.
Talk: Analysis of Galactic molecular clouds polarization maps: a review of the methods
- 2018 CMB foregrounds for B-mode studies. Tenerife, Spain, October 15-18, 2018.
Talk: New AME sources with QUIJOTE.
- 2016 EWASS 2016 – 4-8 July 2016, Athens, Greece. No talk.
- 2015 EWASS Meeting. La Laguna, Tenerife 22-26 June 2015 – No talk.
- 2014 Astronomical Polarimetry Meeting, 26-30 May 2014, Grenoble, France.
Poster: The QUIJOTE-CMB experiment.
Poster: Magnetic Field Components Analysis of the SCUPOL 850 Microns Polarization Data Catalog.
- 2012 IAU XXVIII General Assembly - SpS4 "New Era for studying Interstellar and Intergalactic Magnetic Fields" 20-31 August, 2012 Beijing.
Talk: BLASTPol 2010: Probing Magnetic Fields Structures in Nearby Molecular Clouds
Poster: Magnetic Field Components Analysis of the SCUPOL 850 Microns Polarization Data Catalog

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- 2011 The Millimeter and Submillimeter Sky in the Planck Mission Era, Paris, France, 10-14 January 2011.
Talk: Magnetic Field Components Analysis of the SCUPOL 353GHz Polarization Data Catalog.
- 2009 XXVII General Assembly of the International Astronomical Union Rio de Janeiro from 10 to 14 August 2009.
Prize of OUSTANDING poster: awarded by the Joint Discussion 15 committee
- 2008 Astronomical Polarimetry 2008: Science from Small to Large Telescopes 6 to 11 July 2008, Malbaie, Québec, Canada.
Talk: Multi-Scale Analysis of Magnetic Fields in Filamentary Molecular Clouds.
- 2004 Astronomical Polarimetry 2004, Waikoloa, Hawaii.
Poster: Variations of the Magnetic Field Structure in the Filamentary Dark Cloud GF 9 and Its Neighborhood.
- 2003 Magnetic Fields and Star Formation (MFSF) 2003, Madrid, Spain.
Poster: Multi-scale analysis of magnetic fields in filamentary molecular clouds.
- 2002 Chemistry as a Diagnostic of Star Formation (SFCHEM) 2002, Waterloo, Canada.

Seminars

- 2013 October 29, 2013, IAC, Spain.
Talk: Magnetic Field Components analysis of the SCUPOL 850 (353 GHz) Microns Polarization Data Catalog.
- 2011 UCL – London, UK 6 June 2011
Talk: Multi-Scale Analysis and Turbulence in Molecular Clouds and Star-Forming Regions.
- 2009 Observatorio do Valongo - Rio de Janeiro 27 May 2009
Talk: Multi-Scale Analysis of Magnetic Fields in Molecular Clouds.
- 2008 Universidade of São Paulo – IAG 12 June 2008
Talk: Multi-Scale Analysis of Magnetic Fields in Filamentary Molecular Clouds.
- 2007 Séminaires CESR/Univers Froid 09 November 2007
Talk: La Polarisation, la Poussière, PLANCK, PILOT et les Relevés Polarimétriques dans le Visible et l'Infra-Rouge Proche.
- 2007 Séminaires LATT/CESR 11 January 2007 CESR
Talk: Analyse Multi-Echelle des Champs Magnétiques dans des Nuages à Structures Filamentaires.

Workshops

- 2021 SOFIA/JCMT Science Workshop: Magnetic Fields and the Structure of the Filamentary Interstellar Medium
- 2021 LSST Brokers workshop. 13-15, April, 2021.
- 2020 New Robotic Telescope (NRT) science workshop, 02-04, November, 2020.
- 2020 LSST Brokers workshop. 27-28, October, 2020.
- 2020 ALeRCE Virtual Workshop. 23-24 September, 2020.
- 2020 Lasair LSST-UK user workshop. Remote meeting on 17, June, 2020.
- 2019 EMIR Y MEGARA EN GTC. IAC Headquarters, 1-4 July, 2019
- 2019 ¡España en SKA! Instituto de Astrofísica de Andalucía (IAA-CSIC), Granada 10-11 June.
Talk: Looking for AME in high redshift galaxies.
- 2017 MEASURING STAR FORMATION IN THE RADIO, MILLIMETRE, AND SUBMILLIMETRE 24-26 July 2017. The University of Manchester Manchester, United Kingdom.

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- Talk:** Anomalous microwave emission characterisation in the Taurus Molecular Cloud.
- 2016 Anomalous Microwave Emission Workshop, ESA/ESTEC, Netherlands, 22-23 June 2016.
Talk: AME characterization in the Taurus Molecular Cloud.
- 2015 Workshop on Interstellar magnetic fields, IRAP, Toulouse 27 - 29 April 2015.
Talk: Polarimetry of Galactic synchrotron emission and anomalous microwave emission at low frequency with the QUIJOTE-CMB experiment.
- 2013 Planck Working Group 7 Meeting April 2013, Paris.
Talk: Magnetic Field Components analysis of the SCUPOL 850 Microns Polarization Data Catalog.
- 2012 Planck Working Group 7 Meeting, September 2012, Paris.
- 2010 Planck Working Group 7 Meeting 2010, Manchester, U.K.
- 2007 Planck WG7 Meeting 2007, Catania, Sicilia.

Meetings

- 2021 Roman Science Investigation Team Briefing, November 15th - 19th.
- 2021 SDSS 2021 Collaboration Meeting, August 11-12 and 16-17, 2021.
- 2021 The Rubin Observatory Project & Community Workshop, August 9-13, 2021.
- 2021 BISTRO Survey Meeting, 8th-9th July 2021
- 2021 Día de Nuestra Ciencia, 10-11 June 2021, La Laguna, Tenerife, Spain.
10 minutes talk: ZTF: a public data pathfinder for LSST.
- 2021 LensWatch team meeting, 25 February 2021. Online meeting.
- 2021 XVII QUIJOTE-CMB consortium meeting, 25-26 January 2021, IAC, Spain. **1 talk.**
- 2020 SPICA Consortium Virtual Meeting, 14-17, September, 2020.
- 2020 Dwarfs and Black Holes pre-conference virtual meeting. 08-09, September 2020.
- 2020 SPICA Consortium Virtual Meeting. Leiden, Netherlands, 09-11, March, 2020.
- 2019 SPICA Consortium Meeting. Paris, France, 28-30, October, 2019
- 2019 QUIJOTE articles review meeting. IAC 8,9 July, 2019. **1 talk.**
- 2019 IAC students meeting, 22 May 2019.
Talk: Anomalous microwave emission characterization in the Taurus Molecular Cloud Complex.
- 2018 Planck Meeting: FUTURE WORK WITH PLANCK DATA. ESAC 3-4 Dec. 2018. **1 talk.**
- 2018 XVI QUIJOTE Consortium meeting", 19 October 2018. Tenerife.
- 2018 RADIO-FOREGROUNDS meeting, 8 June 2018, Santander, Spain. **1 talk.**
- 2018 QUIJOTE-CMB consortium meeting XV, 6-7 June 2018, Santander, Spain. **1 talk.**
- 2018 Día de Nuestra Ciencia, 15 May 2018, La Laguna, Tenerife, Spain.
- 2017 QUIJOTE-CMB consortium meeting XIV, 20-21 November 2017, IAC, Spain. **1 talk.**
- 2017 Día de Nuestra Ciencia, 26 May 2017, La Laguna, Tenerife, Spain. **3 minutes talk:** AME characterization in the Taurus Molecular Cloud.
- 2017 UCL – Cosmology meetings, May, 24. **Talk:** The QUIJOTE Experiment.
- 2017 QUIJOTE-CMB consortium meeting XIII, 12-14 June 2017, Santander, Spain. **2 talks.**
- 2016 QUIJOTE-CMB consortium meeting XII, 22-23 November 2016, IAC, Spain. **4 talks.**
- 2016 Día de Nuestra Ciencia, 26 May, La Laguna, Tenerife, Spain. **3 minutes talk:** AME characterization in the Taurus Molecular Cloud. 2016 QUIJOTE-CMB consortium

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- meeting XI, 29 February to 2 March Santander, Spain. **2 talks.**
- 2015 QUIJOTE-CMB consortium meeting X, 16 June 2015, IAC, Spain. **4 talks.**
- 2015 QUIJOTE-CMB consortium meeting IX, 11-13 March 2015, IAC, Spain. **1 talk.**
- 2014 Día de Nuestra Ciencia, 13 June, La Laguna, Tenerife, Spain. **3 minutes talk:** Dust Grain Alignments and Magnetic Fields in The ISM.
- 2014 Meeting on Fundamental Cosmology, 05-06 June 2014, Fuerteventura, Spain.
Poster: The QUIJOTE-CMB experiment.
- 2014 QUIJOTE-CMB consortium meeting VIII, 02-03 June 2014, IAC, Spain. **1 talk.**
- 2013 QUIJOTE-CMB consortium meeting VII, 10-12 december 2013, IAC, Spain. **Various talks.**
- 2013 BLASTPol meeting, 10-11 May, UPenn, Philadelphia
- 2012 Annual Meeting of the Astronomische Gesellschaft. Splinter on "Magnetic Fields in different phases of the ISM". 27-28 September 2012, Hamburg. **Invited talk:** Magnetic Field Components Analysis of the SCUPOL 850 Microns Polarization Data Catalog.
- 2007 Planck Consortium Meeting 2007, Toulouse, France.
- 2008 XXXIV Réunion annuelle de la Société d'Astronomie du Brésil. 7-11 September
- 2008 Passa Quatro, SP, Brésil. **Talk:** Review on Multi-Scale Analysis of Magnetic Fields.
- 2005 Canadian Astronomical Society (CASCA) rencontre annuelle 2005, Montréal, Canada. 14 – 17 Mai 2005. **Poster:** Who's in the drivers seat: Magnetic Fields or Turbulence?

Attendance to Schools/Classes during professional appointments

- SOMACHINE, 19, 23 April, 2021. - Machine Learning, Big Data, and Deep Learning in Astronomy that forms part of the IAA-CSIC Severo Ochoa Training Programme.
- Attendance to the XXX Canary Islands Winter School of Astrophysics La Laguna, Tenerife, Spain - 4-10 November 2018
- Python initiation class: IAC, La Laguna, Tenerife, Spain - 26-28 February & 1 March 2018
- Materiales digitales accesibles (*2ed*) given from 09/04/2018 to 09/09/2018 with a duration of 15 horas (3 horas por semana) offered by UNED y Fundación ONCE in UNED Abierta, the online initiative of UNED. Course code: *MatDigAcc_002*
- IDL mini class: IAG-USP, São Paulo, Brasil, from 14th to 18th of February 2011.
- Turbulence, Magnetic Reconnection and Cosmic Rays:
Classes given by Dr. A. Lazarian from 4th to 9th of August 2010. IAG-USP, São Paulo, Brasil

Languages and Computing Skills

- French: Native language.
- English: Read, Written, Spoken.
- Spanish: Read, Written, Spoken.
- Brazilian Portuguese: Read.
- Computation: Python, IRAF/PyRAF, IDL. Former experience with Matlab, Fortran and C++
- Operating systems: Windows, Linux, SUN, Mac OS X.

Outreach and Public Engagement

- 2018 – Noche Europea de los Investigadores: MACARONESIA'S RESEARCHERS' NIGHT
<http://www.iac.es/divulgacion.php?op1=16&id=1450>

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- 2018 – presentation of the QUIJOTE experiment to a group of people participating to a workshop with artist Regina de Miguel: <http://www.solarizacion.org/como-detectar-el-aleteo-de-un-colibri-en-el-centro-del-huracan-workshop-de-regina-de-miguel/>
- 2017 – presentation of the QUIJOTE experiment to public visitors on 23/06/2017 for the open door days at the OT in Izaña, Tenerife.
- 2016 – Talk about the CMB and the VSA at El Tanque, Santa Cruz de Tenerife in the framework of a multidisciplinary residence: <http://www.iac.es/divulgacion.phpop1=16&id=1147&lang=en>
- 2015 – 05 – 09: Visit of the QUIJOTE experiment to a group of police men and women in the framework of their association and visits between the USA, Germany and Spain.
- 2014 – Presentation of the QUIJOTE-CMB experiment at Izaña to ESA engineers visitors.
- 2000 - 2005 Volunteer for the mont Mégantic astronomy festival.
- 2003 - 2005 Member of the OPIOMM group (Université de Montréal) – Goal was to promote astronomy in Québec and fight light pollution, produce astronomical calendars, etc...
- 1999 – present. Several public talks at local meetings, astronomy animations in child schools, astronomy presentations in amateur astronomy clubs and astronomy festival.

Publication currently reviewed in Refereed Journal

- (1) [arXiv:2112.02026](https://arxiv.org/abs/2112.02026), The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar and APOGEE-2 Data. Abdurro'uf; Accetta, Katherine and 336 co-authors including F. Poidevin.

Peer reviewed publications (35 total)

- (2) [Poidevin et al 2022MNRAS, accepted](#), Post maximum light and late time optical imaging polarimetry of superluminous supernova SN2020znr. **Poidevin, F.**, C. M. B. Omand, I. Perez-Fournon, R. Clavero, R. Shirley, R. Marques-Chaves, C. Jimenez Angel, S. Geier.
- (3) [Tinyanont et al. 2021, MNRAS, accepted](#) Progenitor and Close-In Circumstellar Medium of Type II Supernova 2020fqv from High-Cadence Photometry and Ultra-Rapid UV Spectroscopy. Tinyanont, Samaporn; Ridden-Harper, R.; Foley, R. J. and 35 more, including **Poidevin, F.**
- (4) [2021MNRAS.502.4779P](#), 28 – 40 GHz variability and polarimetry of bright compact sources in the QUIJOTE cosmological fields. Y. C. Perrott, M. López-Caniego, R. T. Génova-Santos and 6 authors including **Poidevin, F.**
- (5) [2021MNRAS.503.2927C](#), First Detection of Spectral Variations of Anomalous Microwave Emission with QUIJOTE and C-BASS. Cepeda-Arroita, R., Harper, S., Dickinson, C. and 32 coauthors including **Poidevin, F.**
- (6) [2020ApJ...900L..40N](#), Cosmic Amorphous Dust Model as the Origin of Anomalous Microwave Emission. Nashimoto, Masashi, Hattori, Makoto, **Poidevin, F.** and Génova-Santos, Ricardo.
- (7) [2020Galax...8...53H](#), Magnetism Science with the Square Kilometre Array. Heald, George, Mao, Sui, Vacca, Valentina and 38 coauthors including **Poidevin, F.**

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- (8) [2020MNRAS.492.1257M](#), Rest-frame UV properties of luminous strong gravitationally lensed Ly α emitters from the BELLS GALLERY Survey. Marques-Chaves, R.; Pérez-Fournon, I.; Shu, Y. and 15 coauthors including **Poidevin, F.**
- (9) [2020PASJ...72....6N](#), Thermal emission from the amorphous dust: An alternative possibility of the origin of the anomalous microwave emission. Nashimoto, Masashi, Hattori, Makoto, Génova-Santos, Ricardo and **Poidevin, F.**
- (10) [2019MNRAS.486..462P](#) QUIJOTE Scientific results. III. Microwave spectrum of intensity and polarization in the Taurus molecular cloud Complex and L1527. **F. Poidevin**, J.A. Rubiño-Martín, C. Dickinson, R. Génova-Santos, S. Harper and 15 coauthors.
- (11) [2019ApJ...878..110F](#) Relative Alignment Between the Magnetic Field and Molecular Gas Structure in the Vela C Giant Molecular Cloud using Low and High Density Tracers. Fissel, L. M., Ade, P. A. R., Angilè, F. E., Ashton, P., Benton, Steven, J. and 34 coauthors, **including F. Poidevin.**
- (12) [2019ApJ...872..197S](#) SUBMILLIMETER POLARIZATION SPECTRUM OF THE CARINA NEBULA. Jamil A. Shariff, Peter A. R. Ade, Francesco E. Angilè, Peter Ashton, Steven J. Benton, and 26 coauthors, **including Poidevin, F.**
- (13) [2018ApJ...857...10A](#) First Observation of the Submillimeter Polarization Spectrum in a Translucent Molecular Cloud. Ashton, Peter C., Ade, Peter A. R., Angilè, Francesco E. and 28 coauthors, **including Poidevin, F.**
- (14) [2018NewAR..80....1D](#) The State-of-Play of Anomalous Microwave Emission (AME) Research. Dickinson, C., Ali-Haïmoud, Y., Barr, A. and 30 coauthors, **including Poidevin, F.**
- (15) [2018MNRAS.474.1018J](#) An application of an optimal statistic for characterising relative orientations. Jow, Dylan L.; Hill, Ryley; Scott, Douglas; Soler, J. D.; Martin, P. G.; Devlin, M. J.; Fissel, L. M.; **Poidevin, F.**
- (16) [2017 A&A 603:64](#) The relation between the column density structures and the magnetic field orientation in the Vela C molecular complex. Soler J., Ade, P. Francesco, Angilè F.E., Ashton, P. and 26 coauthors, **including F. Poidevin.**
- (17) [2017 ApJ 837:161](#) Comparing submillimeter polarized emission with near-infrared polarization of background stars for the Vela C molecular cloud. Santos F. P., Ade, P., Francesco, F.E., Ashton, P., Benton, S.J. and 25 coauthors, **including Poidevin, F.**
- (18) [2017MNRAS.464.4107G](#) QUIJOTE scientific results - II. Polarisation measurements of the microwave emission in the Galactic molecular complexes W43 and W47 and supernova remnant W44. Génova-Santos, R., Rubiño-Martín, J. A., Peláez-Santos, A., **Poidevin, F.**, Rebolo, R., Vignaga, R., Artal, E., Harper, S., Hoyland, R., Lasenby, A., and 4 coauthors.
- (19) [2016 ApJ 824:134](#) Balloon-Borne Submillimeter Polarimetry of the Vela C Molecular Cloud: Systematic Dependence of Polarization Fraction on Column Density and Local Polarization-Angle Dispersion. Fissel, Laura Marion, Ade, Peter, Angilè, Francesco E., and 27 coauthors, **including Poidevin, F.**
- (20) [2016 ApJ 824:84](#) Submillimeter Polarization Spectrum in the Vela C Molecular Cloud. Gandilo, Natalie N., Ade, Peter A. R., Angilè, Francesco E., and 27 coauthors, **including Poidevin, F.**

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- (21) [2015, Magnetic Resonance in Medicine 74:1435-1448](#). Classification of Sodium MRI Data of Cartilage Using Machine Learning. Guillaume Madelin, **Poidevin, F.**, Antonios Makrymallis and Ravinder R. Regatte.
- (22) [2015 MNRAS 452, 4169-4182](#) First results of the QUIJOTE experiment: constraints of the polarization of the anomalous microwave emission in the Perseus molecular complex. Genova-Santos, R. S., Rubiño-Martín, J. A.; Rebolo, R. and 18 coauthors, **including F. Poidevin**.
- (23) [2015A&A...576A.106P](#). Planck intermediate results. XXI. Comparison of polarized thermal emission from Galactic dust at 353 GHz with interstellar polarization in the visible. Planck Collaboration: P. A. R. Ade, N. Aghanim, D. Alina, and 192 coauthors, **including F. Poidevin**.
- (24) [2015A&A...576A.104P](#). Planck intermediate results. XIX. An overview of the polarized thermal emission from Galactic dust. Planck Collaboration: P. A. R. Ade, N. Aghanim, D. Alina, and 198 coauthors, **including F. Poidevin**.
- (25) [2014, ApJ 791, 43](#). Comparison of prestellar core elongations and large scale molecular cloud structures in the Lupus I region. **Poidevin, F.**, Peter A. R. Ade, Francesco E. Angilè and 27 coauthors.
- (26) [2014, ApJ 784, 116](#). Lupus I Observations from the 2010 Flight of the Balloon-Borne Large Aperture Submillimeter Telescope for Polarimetry. Tristan G. Matthews, Peter A. R. Ade, Francesco E. Angilè and 30 coauthors, **including F. Poidevin**.
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- (3) [2018arXiv180204594P](#) THE QUIJOTE EXPERIMENT: PROSPECTS FOR CMB B-MODE POLARIZATION DETECTION AND FOREGROUNDS CHARACTERIZATION. 13th Rencontres du Vietnam. July 9-15, 2017. ICISE. Quy Nhon, Vietnam. **Poidevin F.**, Rubiño-Martín, J.A., Génova-Santos and 47 coauthors.
- (4) [2017yCat..17410112P](#) VizierR Online Data Catalog: IR polarization data in the BN region (Poidevin +, 2011)
- (5) [2017hsa9.conf...99R](#) The QUIJOTE experiment: project status and first scientific results. Highlights on Spanish Astrophysics IX, Proceedings of the XII Scientific Meeting of the Spanish Astronomical Society held on July 18 – 22, 2016, in Bilbao, Spain. S. Arribas, A. Alonso-Herrero, F. Figueras, C. Hernández-Monteagudo, A. Sánchez-Lavega, S. Pérez-Hoyos (eds.). Rubiño Martín J.A. Génova-Santos, R., Rebolo, R., Aguiar M. and 47 co authors, **including F. Poidevin.**
- (6) [2017AAS...22913305C](#) The First Observation of the Submillimeter Polarization Spectrum in a Low-AV Molecular Cloud. Campbell Ashton, Peter; Ade, Peter; Angilè, Francesco E.; and 28 coauthors, **including F. Poidevin.**
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