

Marco De Petris

Curriculum Vitae

April 27th, 2020

Part I – General Information

Full Name	Marco De Petris
E-mail	marco.depetris@uniroma1.it
Spoken Languages	Italian, English
Current position	<i>Ricercatore Universitario SSD FIS/05</i>
Personal Webpage	https://sites.google.com/a/uniroma1.it/marcodepetris/
ORCID	orcid.org/0000-0001-7859-2139
Scopus Author ID	6701819683

Part II – Education

Type	Year	Institution	Notes (Degree, Experience, ...)
University graduation	1988	University of Rome La Sapienza	Physics (<i>Laurea in Fisica</i>)
Specialization School	1994	National Institute of Optics - CNR, Florence	Optics (<i>Scuola di Specializzazione in Ottica</i>)
Qualification	2019	<i>Ministero dell'Istruzione, dell'Università e della Ricerca</i>	Associate Professor - National scientific Qualification, 02/C1 (<i>Abilitazione Scientifica Nazionale</i>) valid from 16/05/2019 to 16/05/2025

Part III – Appointments and other activities

IIIA – Academic Appointments

Start	End	Institution	Position
1/11/2001	Now	Sapienza University	Researcher (<i>Ricercatore Tempo Indeterminato</i>)
31/12/2000	31/10/2001	Sapienza University	<i>Tecnico a elevata professionalità, categoria EP1</i>
9/8/2000	30/12/2000	Sapienza University	<i>Tecnico a elevata professionalità, categoria D2</i>
2/1/1990	8/8/2000	Sapienza University	<i>Funzionario Tecnico VIII qualifica funzionale per la Cattedra di Astrofisica</i>

IIIB – Other Appointments

Start	End	Institution	Position
2014	2015	National Antarctic Research Program (Programma Nazionale di Ricerche in Antartide, PNRA)	Member of the XXX Italian Antarctic Expedition and Italian Scientific Coordinator of Concordia Expedition (II period Summer Campaign) 3 months
2003	2003	National Antarctic Research Program (Programma Nazionale di Ricerche in Antartide, PNRA)	Member of the XIX Italian Antarctic Expedition, 3 months

IIIC – Other Activities

Start	End	Institution	Position
2020	2020	"NIKA2 LPSZ team meeting" Sapienza University, Rome - February 27-28, 2020	SOC member
2019	2019	EPJ Web of Conferences – mm Universe @ NIKA2	Referee
2019	2019	"Observing the millimeter Universe with the NIKA2 camera" LSPC (CNRS), Université Grenoble Alpes a Grenoble (France) June 3-7, 2019	SOC member
2017	Now	Coordination and Evaluation division della Spanish National Research - Ministerio de Ciencia, Innovación y Universidades	Expert Evaluator
2017	Now	The Astronomical Journal	Referee
2015	Now	Journal of Low Temperature Physics	Referee
2015	Now	Antarctic Science	Referee
2014	2015	Italian Research and University Evaluation Agency (ANVUR) period 2011-2014 for the Physical Sciences Panel	VQR Reviewer
2014	2014	"Programma per Giovani Ricercatori 'Rita Levi Montalcini' "	Member of the referees' panel
2011	2011	"A New Era for SZ Science" (Santander, Spain, June 27-30, 2011)	SOC member
2011	2014	Agreement of cultural and scientific cooperation between University of Rome "La Sapienza" and Universidad Autonoma de Madrid (<i>Accordo Quadro e relativo Protocollo Esecutivo</i>)	Scientific Coordinator
2010	2011	Italian Research and University Evaluation Agency (ANVUR) period 2004-2010 for the Physical Sciences Panel	VQR Reviewer
2009	Now	Journal of Instrumentation (JINST)	Referee
2008	Now	Journal of Geophysics Research (Atmospheres)	Referee
2009	2009	Department of Physics Scientific Report 2007-2009 - Ateneo La Sapienza	Editor
2007	2007	Review sottogruppo CAW (Assembly Working Group) Esperimento CUORE - Lab Gran Sasso	External Reviewer
2006	2007	French Polar Institute Paul-Emile Victor (IPEV)	External Reviewer
2006	2006	"Francesco Melchiorri Memorial Conference" (Rome, Italy, April 12-14, 2006)	SOC member
2002	2002	AIP (American Institute of Physics) Conference Proceedings, Volume 616	Editor
2001	2001	"Experimental Cosmology At Millimetre Wavelengths: 2K1BC" Workshop (Breuil-Cervinia, Valle d'Aosta, Italy, 9-13 July, 2001)	SOC member

Part IV – Teaching experience and other Academic duties

IV/A – Teaching Experience

Year	Institution	Lecture/Course
2019/2020	Sapienza University	Astronomical Optics /Master Degree in Astronomy and Astrophysics
2018/2019	Sapienza University	Astronomical Optics /Master Degree in Astronomy and Astrophysics
2017/2018	Sapienza University	Astronomical Optics /Master Degree in Astronomy and Astrophysics
2016/2017	Sapienza University	Astronomical Optics /Master Degree in Astronomy and Astrophysics
2015/2016	Sapienza University	Astronomical Optics /Master Degree in Astronomy and Astrophysics
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2011/2012	Sapienza University	Astronomical Optics /Master Degree in Astronomy and Astrophysics
2010/2011	Sapienza University	Astronomical Optics /Master Degree in Astronomy and Astrophysics
2009/2010	Sapienza University	Astronomical Optics /Master Degree in Astronomy and Astrophysics
2008/2009	Sapienza University	Laboratory of Mechanics (assistant)/ Bachelor in Physics & Astrophysics and Physics
2008/2009	Sapienza University	Astronomical Optics /Master Degree in Astronomy and Astrophysics
2007/2008	Sapienza University	Laboratory of Mechanics (assistant)/ Bachelor in Physics & Astrophysics and Physics
2007/2008	Sapienza University	Applied Optics /Bachelor in Physics and Astrophysics
2006/2007	Sapienza University	Laboratory of Mechanics (assistant)/ Bachelor in Physics & Astrophysics and Physics
2006/2007	Sapienza University	Applied Optics /Bachelor in Physics and Astrophysics
2005/2006	Sapienza University	Laboratory of Mechanics (assistant)/ Bachelor in Physics & Astrophysics and Physics
2005/2006	Sapienza University	Applied Optics /Bachelor in Physics and Astrophysics
2004/2005	Sapienza University	Laboratory of Mechanics (assistant)/ Bachelor in Physics & Astrophysics and Physics
2004/2005	Sapienza University	Applied Optics /Bachelor in Physics and Astrophysics
2003/2004	Sapienza University	Laboratory of Mechanics (assistant)/ Bachelor in Physics & Astrophysics and Physics
2003/2004	Sapienza University	Applied Optics /Bachelor in Physics and Astrophysics
2002/2003	Sapienza University	Laboratory of Mechanics (assistant)/ Bachelor in Physics & Astrophysics and Physics
2001/2002	Sapienza University	Laboratory of Mechanics (assistant)/ Bachelor in Physics & Astrophysics and Physics
2001/2002	Sapienza University	Instrumentation and Measurement Laboratory (assistant)/ Bachelor in Physics & Astrophysics and Physics

IV/B – Other Academic duties

Year	Institution	Activity
2019-Now	Sapienza University	Member of the Board of Faculty of the PhD in Astronomy, Astrophysics and Space Science
2019-Now	Sapienza University	Member of the outreach project PCTO/Lab2Go at Department of Physics
2019	Sapienza University	Member of <i>Comitato Sede Interregionale Lazio Olimpiadi di Astronomia Edizione XVIII</i>
2018-2020	Sapienza University	Member of <i>Commissione per l'assegnazione delle Borse di Studio per il Perfezionamento all'Estero eds. 2018, 2019 e 2020</i>
2016-Now	Sapienza University	Member of <i>Commissione di Gestione dell'Assicurazione Qualità</i> at Department of Physics
2016-Now	Sapienza University	Supervisor of 2 Theses of the PhD in Astronomy, Astrophysics and Space Science (see IV/C)
2014-Now	Sapienza University	Member of <i>Commissione per la verifica dei requisiti per l'ammissione alla Laurea Magistrale in Astronomia e Astrofisica</i>
2012-2018	Sapienza University	Member of the Extended Board of Faculty of the PhD in Astronomy, Astrophysics and Space Science
2012-2016	Sapienza University	Member of the <i>Team Qualità della Didattica</i> at Department of Physics
2012-2013	Sapienza University	Tutor of the Bachelor in Physics (<i>Tutor di riferimento della Laurea Triennale in Fisica</i>)
5/2012-6/2012	Universidad Autonoma de Madrid (Spain)	Visiting Professor within the Programa Oficial de Doctorato en Astrofisica funded by Ministerio de Educación, Cultura y Deporte.
2012-Now	Sapienza University	Supervisor of 17 Theses of the Master in Astronomy and Astrophysics (<i>Laurea Magistrale in Astronomia e Astrofisica</i>) (see IV/F)
2012	ESA/ESAC, Villafranca-Madrid (Spain)	Collaborator of the project "Study of the optical system of the OLIMPO experiment using GRASP" at ESA/ESAC in Villafranca-Madrid (Spain) November 2012
2011-Now	Sapienza University	Tutor of the Master in Astronomy & Astrophysics (<i>Tutor di riferimento della Laurea Magistrale in Astronomia e Astrofisica</i>)
2011-Now	Sapienza University	Study Plan Manager of the Master Degree in Astronomy and Astrophysics (<i>Responsabile per i Piani di Studio per la Laurea Magistrale in Astronomia e Astrofisica</i>)
2011	Sapienza University	Member of <i>Commissione per l'assegnazione delle Borse di Studio per la Tesi all'Estero 2011</i>
2009-2010	Sapienza University	Tutor of the Bachelor in Physics & Astrophysics (<i>Tutor di riferimento della Laurea Triennale in Fisica & Astrofisica</i>)
2007-2015	Sapienza University	Member of <i>Commissione per la valutazione dei Percorsi di Eccellenza delle Lauree Triennali in Fisica e Fisica & Astrofisica, Laurea Specialistica in Astronomia & Astrofisica, eds 2007, 2008, 2013 e 2015</i>
2006-Now	Sapienza University	Member of the <i>Giunta del Consiglio di Area Didattica</i> at Department of Physics
2006-2016	Sapienza University	Supervisor of 17 Theses of the Master in Astronomy and Astrophysics (<i>Laurea Specialistica in Astronomia e Astrofisica</i>) (see IV/G)
2006-2011	Sapienza University	Study Plan Manager of the Bachelor in Physics & Astrophysics (<i>Responsabile per i Piani di Studio per la Laurea</i>

		<i>Triennale in Fisica e Astrofisica</i>
2005-Now	Sapienza University	Supervisor of 7 Theses of the PhD in Astronomy (see IV/C)
2003-2011	Sapienza University	Member of the Board of Faculty of the PhD in Astronomy
2004-2019	Sapienza University	Member of the Qualification Committees for the selection of several postdoc positions (<i>Decreti del Direttore n.45/04 del 22/11/2004, n.3/05 del 4/01/2005, n.2/05 del 4/01/2005, n.13/05 del 17/03/2005, n.2/06 del 26/01/2006, n.72/07 del 29/09/2007, n. 92/08 del 02.10.2008, n. 96/08 del 10.10.2008, DD 129/218 del 20/09/2018, DD n. 102/2019, Cat. B, Tip. I del 19/06/2019</i>)
2004	Milano-Bicocca University	Member of the Qualification Committee for the selection of 1 University Researcher (RTI SSD FIS/05) (13-15 October 2004)
2004-Now	Sapienza University	Supervisor of 44 Dissertations of the Bachelor in Physics & Astrophysics and Physics (<i>Lauree Triennali in Fisica & Astrofisica e Fisica</i>) (see IV/G)
2001-2005	Sapienza University	Member of the Board of the Degree in Physics Course Council at Department of Physics (<i>Giunta del Consiglio di Corso di Laurea in Fisica</i>)
1996-2008	Sapienza University	Supervisor of 25 Theses of the Master in Physics (<i>Laurea in Fisica, Vecchio Ordinamento</i>) (see IV/G)
1998-2010	Sapienza University	Teacher guide of educational excursions, supported by the SMFN Faculty, for university students to MITO (Millimetre Infrared Telescope Observatory) telescope (Plateau Rosà (AO)).

IV/C – Supervisor of PhD students

- from 01-11-2005 to 10-01-2009
Tutor of the student Valerio Lattanzi for the PhD in Astronomy (Italian-French Co-supervision funded by the Bando Vinci 2005 from *Università Italo-Francese*, Co-tutor prof. W. Adams at Centre d'Etude Spatiale des Rayonnements della Université Paul Sabatier – CNRS in Toulouse, France):
Ciclo XXI - "Molecules as astrophysics and cosmology tools in FIR/mm bands: from laboratory measurements to observations".
- from 01-11-2005 to 26-01-2009
Tutor of the student Simone De Gregori for the PhD in Astronomy: Ciclo XXI - "Ground based observations to Precision Sunyaev-Zel'dovich Effect Cosmology".
- from 01-11-2007 to 31-10-2010
Tutor of the student Andrea Conte for the PhD in Astronomy: Ciclo XXIII - "The Sunyaev Zel'dovich Effect towards Galaxy Clusters as Mass Finder and Cosmic Thermometer: MAD Experiment".
- from 01-11-2008 to 31-10-2011
Tutor of the student Barbara Comis for the PhD in Astronomy: Ciclo XXIV - "Scaling Relation between Sunyaev-Zel'dovich Effect Flux and Clusters of Galaxies Mass: Study of the Impact of Cool-Core Clusters".
- from 01-11-2009 to 31-10-2012
Tutor of the student Barbara Decina for the PhD in Astronomy: Ciclo XXV - "A Fabry-Perot interferometer for ground-based millimetric spectroscopy".
- from 01-11-2009 to 31-10-2014
Tutor of the student Federico Sembolini for the PhD in Astronomy (Italian-Spanish Co-supervision, Co-tutor prof. G. Yepes at Universidad Autonoma de Madrid, Madrid, Spain): Ciclo XXV - "Large Scale Numerical Simulations of the Sunyaev-Zeldovich Effect: The next generation tool for Precision Cosmology".
- from 01-11-2012 to 31-10-2015

Tutor of the student Daniele Buzi for the PhD in Astronomy, Astrophysics and Space Science: Ciclo XXVIII - "Polarisation issues related to CMB observations at mm-wavelengths".

- from 01-11-2016 to 31-10-2019

Tutor of the student Anna Silvia Baldi for the PhD in Astronomy, Astrophysics and Space Science: Ciclo XXVIII - "Astrophysics with the Sunyaev–Zel'dovich effect in clusters of galaxies". (co-tutors: P. Mazzotta and H. Bourdin at TorVergata University in Rome).

IV/D – Admission exam to PhD courses

- 2008 - Admission Committee member of PhD in Astronomia, (Sapienza University - Ciclo XXIV).

IV/E – Final PhD exams

- 2012 – Final Committee member of PhD in *Telerilevamento (Dipartimento di Ingegneria dell'Informazione, Elettronica e Telecomunicazioni)*, Sapienza University - Ciclo XXIV).
- 2011 - International External Reviewer for the PhD Thesis in Astronomy of Universidad de Cantabria, Departamento de Física Moderna: "Study of the Large Scale Structure at high redshifts with radio signal and Gravitational Lensing", Candidato: P.P. Ponente.
- 2014 – Final Committee member of PhD in Physics at Universidad Autonoma de Madrid. Candidate: E. Carlisi.
- 2014 – Final Committee member of PhD in Physics at Universidad Autonoma de Madrid. Candidate: A. Di Cintio.
- 2015 – Substitute member in the Final Committee of PhD in Astronomy, Astrophysics and Space Science. Candidate: F. Fusco, (Sapienza University – Ciclo XXVIII).
- 2017 – Substitute member in the Final Committee of PhD in Astronomy, Astrophysics and Space Science (Sapienza University – Ciclo XXX).

IV/F – Supervision of postdoc students

- 5/2006 – 4/2008 – Scientific supervisor of dr Gemma Luzzi involved in the research project '*Osservazioni cosmologiche da terra del Programma GEMINI-SZ*' funded by Department of Physics at Sapienza University (*Bando Dip Fisica – La Sapienza DD n. 30/2005 del 29/11/2005*).
- 5/2009 – 4/2011 – Scientific supervisor of dr Simone De Gregori involved in the research project '*Spettrofotometria sub/millimetrica per osservazioni cosmologiche di precisione*' funded by Department of Physics at Sapienza University (*Bando Dip Fisica – La Sapienza DD n. 92/2008 del 02/10/2008*).
- 9/2014 – 8/2015 – Scientific supervisor of dr Gemma Luzzi involved in the research project '*Esplorazione dell'Universo tramite lo studio dell'Effetto Sunyaev-Zel'dovich da ammassi di galassie sintetiche*' funded by Department of Physics at Sapienza University (*Bando Dip Fisica – La Sapienza n. 64/2014 del 6/06/2014*).
- 2/2020 – 1/2021 – Scientific supervisor of dr Purnendu Karmakar involved in the research project '*Testing gravity with Multi-messenger Observations of Gravitational Waves, Sunyaev-Zel'dovich Effect and Weak Lensing*' funded by Department of Physics at Sapienza University (*Bando Dip Fisica – La Sapienza n. 166/2019 del 1/10/2019*).

IV/G – Supervisor of Bachelor and Master's Degree Theses

- The full list of theses is available here:
<https://sites.google.com/a/uniroma1.it/marcodepetris-eng/tesi-di-laurea>

IV/H – Tutor of stage of foreign students

- 2006 - Benjamin Chagneau from Université Paul Sabatier in Toulouse, France.

IV/I – Tutor of *Tirocinio Formativo della Regione Lazio - FI.LA.S*

- 2007 - Stefani Stefania "Studio delle prestazioni spettrali e realizzazione di filtri a mesh".

Part V - Society memberships, Awards and Honors

Year	Title
2018- Now	Member of the Core Team of NIKA2 (New Iram Kid Array-2) collaboration.
2012- Now	Member of the International Astronomical Union (IAU) - Division B: Facilities, Technologies and Data Science and of Division J: Galaxies and Cosmology.
2006- Now	Associated with Istituto Nazionale di Fisica Nucleare (INFN).
2005- Now	Associated with Istituto Nazionale di AstroFisica (INAF).
2003	Medal from National Antarctic Research Program (<i>PNRA</i>) for participating the XIX Italian Antarctic Expedition at Mario Zucchelli Station in Antarctica.
1999- Now	Member of Italian Society of Physics (SIF) - <i>not continuously</i>

Part VI – Research Activities

Keywords	Brief Description
1) Observational Cosmology	<p>The observation of the Universe, mainly at millimetre wavelengths, has been the main topic of my research activity during my career. The observables are several, covering the fields of Cosmology and Astrophysics. They span from diffuse Cosmic Microwave Background radiation to clusters of galaxies, peculiar objects useful to study Universe evolution. The applied observational approaches are sometimes complementary: to measure the intensity and/or the polarization of the targets by photometers and/or spectrometers working from the ground, on balloon experiments or in space with satellites. I have the opportunity of working on several instruments coordinating and participating in their design, manufacture, assembly, calibration, observation and data analysis.</p> <p>In the case of clusters of galaxies, I am also exploring the field of hydrodynamical simulations, which have turned out to be a powerful way to model these objects and to have forecasts with observations. I think it is very useful to me to have experience in different fields, such as instrument developing, observation, data analysis and phenomenological approaches.</p>
2) Optics at millimetre wavelengths	<p>To achieve the observational goals, I focus part of my activity on studying the optics of several instruments, optimizing and modelling different configurations. I have acquired a vast experience in optical design at millimetre wavelengths working with the most popular codes (Zemax, GRASP, CODE-V).</p>
3) Atmospheric studies at millimetre wavelengths	<p>I also dedicate time to studying (<i>i.e.</i> to observe and to model) the atmosphere, being the main contaminant to sky observations from ground at millimetre wavelengths. Below, I will list the main projects where I have been deeply involved.</p>
MITO (Millimeter and Infrared Testagrigia Observatory)	<p>MITO is an observatory with a telescope 2.6-m in diameter at Plateau Rosà (3500 m a.s.l.) in Val d'Aosta devoted to sky observations in the millimetre band. I have been technical responsible of the project from the beginning and then the coordinator of the activities succeeded at F. Melchiorri.</p> <p>I was deeply involved on the telescope optical design, manufacturing, integrating, calibrating and managing instruments developed to be installed at telescope's focal plane, mainly to observe clusters of galaxies, such as FotoMITO and MAD, two multibands photometers at 150-300 GHz, and FotoPola, polarimeter with a Martin-Puplett interferometer. All of these instruments were designed and manufactured</p>

	<p>within the Experimental Cosmology Group in Sapienza. At MITO, I also take care of interfacing instruments developed with other national and international collaborations, of then managing the observations and then the data analyses, see Diabolo [F-X. Desert (Grenoble)] and MASTER [M. Gervasi (Milan)] photometers.</p> <p>I organised and participated at tens of observational campaigns at MITO together several students working on their Theses (Master's Degree and PhD) under my supervision on different topics related to MITO: scientific goals and/or technological aspects (see IV/C and IV/G). More details about MITO are available at: http://oberon.roma1.infn.it/mito/.</p>
<p>MUSIC (Marenostrum-MultiDark Simulations of galaxy Clusters) & The Three Hundred</p>	<p>I am member of MUSIC and The Three Hundred collaborations (Universidad Autonoma de Madrid, Sapienza and Leibniz Institute of Astrophysics a Potsdam). MUSIC and TTH are large datasets of synthetic clusters of galaxies extracted from state-of-the-art hydrodynamical simulations: MareNostrum Universe and MultiDark Simulations. I am coordinating several projects focused on galaxies clusters science studying the implications they have in Cosmology by mock observations of Sunyaev-Zel'dovich (SZ) effect, X-ray and optical emissions. I am the proposer of several study projects shared among collaborations with Universidad Autonoma de Madrid, OATS-INAf Trieste, OAS-INAf Bologna, Université Grenoble Alpes Grenoble, Aristotile University of Thessaloniki and Royal Observatory, Edinburgh, among the others. I proposed novel implementations employing SZ maps to infer possible cluster rotation and dynamical state by morphology study. I am supervisor of several Master and PhD Theses focused on this research activity (see IV/C and IV/G).</p> <p>More details about MUSIC are available at: http://music.ft.uam.es/ and about TTH at: https://www.nottingham.ac.uk/~ppzfrp/The300/</p>
<p>NIKA2 (New Iram Kid Array-2)</p>	<p>NIKA2 is a camera with 3 kilo-pixels KIDs arrays at 150 and 260 GHz at the Nasmyth focal plane of the 30-m in diameter IRAM telescope at Pico Veleta (Spain). I am member of the Core Team of NIKA2. My contributions span from optical analyses, atmospheric studies, data analysis and participations to campaigns at the telescope during the commissioning phase and, more recently, the scientific observations. As a member of the NIKA2 Large Program Sunyaev-Zel'dovich (LPSZ) team too, I am involved in the observations, during the Guaranteed Time of 300h, of 50 clusters of galaxies in the period 2018-2023. I was the promoter of the collaboration with UAM starting several on-going study projects focused on using a sample of synthetic clusters (MUSIC) as mock observations of NIKA2. I have been and I am supervisor of several students developing their Theses (Master's Degree and PhD) on different topics related to NIKA2 activities (see IV/C and IV/G). More details about NIKA2 are available at: http://ipag.osug.fr/nika2/Welcome.html</p>
<p>OLIMPO (Osservatorio nel Lontano Infrarosso Montato su Pallone Orientabile)</p>	<p>OLIMPO is a balloon-based telescope for the measurement of the Sunyaev-Zel'dovich effect in galaxy clusters. The telescope is 2.6-m in diameter performing observations with 4 arrays of KIDs at 150, 220, 350 and 480 GHz, in photometric or spectrometric configurations. I was mainly involved in telescope and cold optics design and characterization, participating to laboratory calibration campaigns and the first launch campaign in 2014 at Longyearbyen (Svalbard Islands – Norway).</p> <p>I was also supervisor of a couple of Degree Theses on topics related to OLIMPO activities (see IV/G). More details about OLIMPO are available at: http://olimpo.roma1.infn.it/index.html.</p>
<p>QUBIC (Q&U Bolometric Interferometer for Cosmology)</p>	<p>QUBIC is a polarimeter to observe Cosmic Microwave Background large scale polarization patterns, i.e. B-modes, at 150 and 220 GHz with a novel technic based on millimetre interferometry with 2 TES arrays. I am coordinating the Optics Group working closing with colleagues at Maynooth University NUI, at Astroparticule et Cosmologie, Paris, at Institut d'Astrophysique Spatiale, Orsay, at Cardiff University, at Universities of Milano–Bicocca and Statale. My activity is focused on modelling the optical components with Zemax and GRASP codes, such as the cold combiner and the instrument shields. I also managed the mechanical designs and manufacturing of the ground-shield and forebaffle. I was also supervisor of a couple of Master's and PhD Theses on topics related to QUBIC optics (see IV/C and IV/G). More details</p>

	about QUBIC are available at: http://qubic.in2p3.fr/wordpress/ .
SAGACE (Spectroscopic Active Galaxies And Clusters Explorer)	Coordinator of the "Telescope Office Project" and member of the "Science Team" of the Small Mission Phase A Study proposal of satellite SAGACE funded by Italian Space Agency (ASI) in 2008. SAGACE has a 3-m in diameter telescope to perform spectrometric observations of the sky in the 100-760 GHz band. My contribution was on the optical design of the telescope and the FTS spectrometer and to study the impact of the mission in clusters science.
COrE (Cosmic Origins Explorer)	COrE is a proposal, not approved, for a medium satellite mission of Cosmic Vision Programme 2015-2025 of European Space Agency. I was member of the Optics Working Group of the COrE mission working on the telescope design and on the Cluster of galaxies Working Group. More details about COrE are available at: http://www.core-mission.org/index.php
MILLIMETRON	MILLIMETRON is a proposed satellite mission (by ROSCOSMOS, Russia) with a 12-m in diameter deployable telescope to observe the sky from 20 μ m up to 20 mm. My contributions are on the design of the proposed Italian contribution, a spectro-polarimeter (SP-FTS) at 100-600 GHz, and clusters observational strategies and scientific results employing hydrodynamical simulated objects.
LSPE (Large-Scale Polarization Explorer)	LSPE is a project for observations of B-modes by employing a double strategy: a balloon-borne (SWIPE) and a ground-based (STRIP at Tenerife Observatory) instruments. SWIPE is a 50-cm in diameter polarimeter operating in two bands: 150 and 200 GHz. I was scientific responsible of several Working Packages (WPs) supported by Italian Space Agency: WP3240 SAF Optics Design, WP3250 SAF Antennas Design, WP3340 SAF Optics Fabrication, WP3350 SAF Antennas Fabrication e WP3440 Optics Tests from 2011 to 2014.
CASPER (Concordia Atmospheric SPectroscopy of Emitted Radiation)	CASPER is a spectrometer (90-450 GHz) with a 62-cm in diameter telescope that has operated, during the commissioning phase, at MITO in Val d'Aosta and then at Italian-French Concordia Station at Dome C in Antarctica. I am the PI of the project. I worked mainly on the design of the optics (telescope and Martin-Puplett interferometer), on the integration of the instrument and operativity (data readout and acquisition) and I managed all the observational campaigns at MITO and as a member of the XXX Italian Expedition in Antarctica and Scientific Coordinator at Concordia station. I am supervisor of a few students working on Thesis projects (Master's Degree and PhD) on different topics related to CASPER activities (see IV/C and IV/G). More details about CASPER are available at: http://oberon.roma1.infn.it/casper/ .
KISS (KIDs Interferometer Spectrum Survey)	KISS is a low-resolution spectrometer with KIDs arrays at 80-300 GHz, managed by LSPC in Grenoble and installed at QUIJOTE 2.25-m in diameter telescope in Tenerife. It is a pathfinder instrument devoted to measure the spectrum of the galaxies clusters via the Sunyaev-Zel'dovich effect. My activity on KISS is related on optics analysis and providing the full kit of HDPE lenses, manufactured and 3D measured in Sapienza (INFN machine shop). More details about KISS are available at: http://neel.cnrs.fr/spip.php?article4548&lang=fr
COSMO (COSmological Monopole Observer)	COSMO is a spectrometer in the band 100-280 GHz to measure CMB spectral distortions from the Italian-French Antarctic station at Dome C. My contributions are focused on optical studies (Martin-Puplett interferometer design and optimization of the instrument shielding system), on atmosphere modelling and instrumental systematics.
EUCLID	EUCLID is an ESA medium class astronomy and astrophysics space mission (VIS-NIR 1.2-m in diameter telescope)) aiming at understanding why the expansion of the Universe is accelerating and what is the nature of the source responsible for this acceleration which physicists refer to as dark energy. I am member of the collaboration since 2018 working in the Cluster of Galaxies Working Group studying real clusters observational properties by using hydrodynamic objects.
LiteBIRD (Lite satellite for the studies of B-mode polarization and	LiteBIRD is a space observatory that aims to detect the footprint of the primordial gravitational wave of the CMB in a form of polarization pattern, called B-mode. I am

inflation from CMB detection)	member of the European Joint Study Group working on the MHFT instrument (90-450 GHz), the two telescopes that ESA should provide to the mission complementing LFT (34-160 GHz), the low frequency instrument managed by JAXA. My support to the mission is contributing to the Optics and RF calibration WGs working on telescope optics modelling and calibration setup.
Co-I of observational proposals in the microwave, X-ray and optical bands (the most recent ones)	<ul style="list-style-type: none"> - 30-m IRAM 300h of NIKA2 observations "NIKA2 GT-LP set 1: High-resolution tSZ observations of a large sample of clusters of galaxies (NIKA2SZ)", approved by IRAM - 09/2016 - 30-m IRAM project N. 180-17 e N. 082-17 e N.201-16 "tSZ observations of the most massive IR detected galaxy cluster MOO J1142+1527 at z=1.2" approved by IRAM 6 November 2017 - 30-m IRAM project N. 081-17 "High-Resolution Measurement of the Shock and Sub-cluster Peculiar Velocity in a Potential Line of Sight Bullet-like Cluster" approved by IRAM 15 May 2017 - 30-m IRAM project N. 110-14 "Sunyaev-Zel'dovich follow up of relaxed high redshift Planck galaxy clusters (NIKA guaranteed time proposal)" approved by IRAM 12 March 2015 - NOEMA interferometer "Unveiling merging events via very high resolution observations of the Sunyaev-Zel'dovich effect", approved by IRAM 9/2019 - XMM-Newton 84421 "The most massive IR detected galaxy cluster MOO J1142+1527 at z=1.2" - TNG (Dolores) - Observatorio del Roque de Los Muchachos and Observatorio del Teide "The NIKA2 Optical Follow-up: Toward a multiwavelength analysis of SZ massive clusters at medium-high redshift", submitted 2020

Part VII – Summary of Scientific Achievements

Methodological note:

1) Search criteria: ORCID id: 0000-0001-7859-2139 for SCOPUS and depetris, m* + Sapienza for Web of Science (WoS).

2) The impact factors (IF) of the articles were extracted from WoS database.

	SCOPUS		WoS	
	1990-2020	2010-2020	1990-2020	2010-2020
Papers [peer review journals]	79	44	69	39
Papers [proceedings]	32	20	32	19
Total Impact factor (IF)	324.55	188.09	324.55	188.09
Average IF per Product	4.11	4.275	4.70	4.822
Total Citations	1365	869	1079	557
Average Citations per Product	12.30	13.5	10.68	9.6
Hirsch (H) index	20	16	18	14
Normalized H index*	1.05 (0.66)	0.84 (0.53)	0.94 (0.6)	0.73 (0.46)

*H index divided by the academic seniority (since 2001), in brackets H index divided by the scientific seniority (since 1990)

Part VIII – Complete list of Publications

For an updated publication list see:

https://ui.adsabs.harvard.edu/search/q=%20author%3A%22de%20petris%22&sort=date%20desc%2C%20bibcode%20desc&p_0

or click at the link: [ADS](#)

Referred papers:

A87 - "The XXL Survey XLIV. Sunyaev-Zel'dovich mapping of a low-mass cluster at $z \sim 1$: a multi-wavelength approach"

M. Ricci, R. Adam, D. Eckert, P. Ade, P. Andre, A. Andrianasolo, B. Altieri, H. Aussel, A. Beelen, C. Benoist, A. Benoit, S. Berta, A. Bideaud, M. Birkinshaw, O. Bourrion, D. Boutigny, M. Bremer, M. Calvo, A. Cappi, L. Chiappetti, A. Catalano, M. De Petris, F.-X. Desert, S. Doyle, E. F. C. Driessen, L. Faccioli, C. Ferrari, S. Fotopoulou, F. Gastaldello, P. Giles, A. Gomez, J. Goupy, O. Hahn, C. Horellou, F. Keruzore, E. Koulouridis, C. Kramer, B. Ladjelate, G. Lagache, S. Ledercq, J.-F. Lestrade, J.F. Macías-Pérez, A. Mantz, B. Maughan, S. Maurogordato, P. Maksudopf, A. Monfardini, F. Pacaud, L. Perotto, M. Pierre, G. Pisano, E. Pompei, N. Ponthieu, V. Reveret, A. Ritacco, C. Romero, H. Roussel, F. Ruppin, M. Sanchez Portal, K. Schuster, M. Sereno, S. Shu, A. Sievers, C. Tucker, and K. Umetsu
submitted to A&A; (2020)

<https://arxiv.org/abs/2004.07866>

A86 - "The Three Hundred Project: correcting for the hydrostatic-equilibrium mass bias in X-ray and SZ surveys"
S. Ansarifard, E. Rasia, V. Biffi, S. Borgani, W. Cui, M. De Petris, K. Dolag, S. Ettori, S.M.S. Movahed, G. Murante, G. Yepes
Astronomy & Astrophysics, Volume 634, A113, 16 pp; (2020)

<https://arxiv.org/abs/1911.07878v1>

DOI: 10.1051/0004-6361/201936742 **IF 6.209**

A85 - "Unveiling the merger dynamics of the most massive MaDCoWS cluster at $z=1.2$ from a multi-wavelength mapping of its intracluster medium properties"

F. Ruppin, M. McDonald, M. Brodwin, R. Adam, P. Ade, P. André, A. Andrianasolo, M. Arnaud, H. Aussel, I. Bartalucci, M. W. Bautz, A. Beelen, A. Benoit, A. Bideaud, O. Bourrion, M. Calvo, A. Catalano, B. Comis, B. Decker, M. De Petris, et al.
submitted to Astronomy & Astrophysics; (2020)

<https://arxiv.org/abs/1911.00560v1>

A84 - "Calibration and Performance of the NIKA2 camera at the IRAM 30-meter Telescope"

L. Perotto, N. Ponthieu, J. F. Macías-Pérez, R. Adam, P. Ade, P. André, A. Andrianasolo, H. Aussel, A. Beelen, A. Benoit, S. Berta, A. Bideaud, O. Bourrion, M. Calvo, A. Catalano, B. Comis, M. De Petris, et al.

Accepted for publication in Astronomy & Astrophysics; (2020)

<https://arxiv.org/abs/1910.02038>

A83 - "Updated Design of the CMB Polarization Experiment Satellite LiteBIRD"

Sugai, H., Ade, P.A.R., Akiba, Y., Alonso, D., Arnold, K., Aumont, J., Austermann, J., Baccigalupi, C., Banday, A., Banerji, R., Barreiro, R.B., Basak, S., Beall, J., Beckman, S., Bersanelli, M., Borrill, J., Boulanger, F., Brown, M., Bucher, M., Buzzelli, A., Calabrese, E., Casas, F., Challinor, A., Chan, V., Chinone, Y., Cliche, J.-F., Columbro, F., Cukierman, A., Curtis, D., Danto, P., de Bernardis, P., de Haan, T., De Petris, M., et al.

J Low Temp Phys (2020)

ISSN: 00222291; DOI: 10.1007/s10909-019-02329-w; **IF 1.491**, Citation: 1 SCOPUS & 1 WoS.

A82 - "In-Flight Performance of the LEKIDs of the OLIMPO Experiment"

Paiella, A., Ade, P.A.R., Battistelli, E.S., Castellano, M.G., Colantoni, I., Columbro, F., Coppolecchia, A., D'Alessandro, G., de Bernardis, P., De Petris, M., Gordon, S., Lamagna, L., Magneville, C., Masi, S., Maksudopf, P., Pettinari, G., Piacentini, F., Pisano, G., Polenta, G., Presta, G., Tommasi, E., Tucker, C., Vdovin, V., Volpe, A., Yvon, D.

J Low Temp Phys (2020)

ISSN: 00222291; DOI: 10.1007/s10909-020-02372-y; **IF 1.491**, Citation: 0 SCOPUS & 0 WoS.

A81 - "Kinetic Inductance Detectors for the OLIMPO experiment: In-flight operation and performance"

Masi, S., de Bernardis, P., Paiella, A., Piacentini, F., Lamagna, L., Coppolecchia, A., Ade, P.A.R., Battistelli, E.S., Castellano, M.G., Colantoni, I., Columbro, F., D'Alessandro, G., De Petris, M., Gordon, S., Magneville, C., Maksudopf, P., Pettinari, G., Pisano, G., Polenta, G., Presta, G., Tommasi, E., Tucker, C., Vdovin, V., Volpe, A., Yvon, D.

Journal of Cosmology and Astroparticle Physics Volume 2019, Issue 7, 1 July 2019, Article number 003 (2019)

ISSN: 14757516; DOI: 10.1088/1475-7516/2019/07/003; **IF 5.524**, Citation: 3 SCOPUS & 3 WoS.

A80 - "The KISS Experiment"

Fasano, A., Aguiar, M., Benoit, A., Bideaud, A., Bourrion, O., Calvo, M., Catalano, A., de Taoro, A.P., Garde, G., Gomez, A., Gomez Renasco, M.F., Goupy, J., Hoarau, C., Hoyland, R., Macías-Pérez, J.F., Marpaud, J., Monfardini, A., Pisano, G., Ponthieu, N., Rubiño Martín, J.A., Tourres, D., Tucker, C., Beelen, A., Bres, G., De Petris, M., de Bernardis, P., Lagache, G., Lamagna, L., Luzzi, G., Marton, M., Masi, S., Rebolo, R., Roudier, S.

J Low Temp Phys (2020)

DOI: 10.1007/s10909-019-02289-1; **IF XX**, Citation: 0 SCOPUS & 0 WoS

A79 - "Impact of ICM disturbances on the mean pressure profile of galaxy clusters: a prospective study of the NIKA2 SZ large program with MUSIC synthetic clusters"

F. Ruppin, F. Sembolini, M. De Petris, R. Adam, G. Cialone, J. F. Macías-Pérez, F. Mayet, L. Perotto, G. Yepes
Astronomy & Astrophysics, Volume 631, A21, 16 pp; (2019)

<https://arxiv.org/abs/1901.04580>

ISSN: 00046361, DOI: 10.1051/0004-6361/201935059; **IF 6.209**, Citation: 1 SCOPUS & 1 WoS.

A78 - "QUBIC: Exploring the primordial universe with the Q&U bolometric interferometer"

A. Mennella, P. Ade, G. Amico, D. Auguste, J. Aumont, S. Banfi, G. Barbaràn, P. Battaglia, E. Battistelli, A. Baù, B. Bélier, D. G. Bennett, L. Bergé, J. P. Bernard, M. Bersanelli, M. A. Bigot Sazy, N. Bleuvacq, J. Bonaparte, J. Bonis, E. Bunn, D. Burke, D. Buzi, A. Buzzelli, F.

Cavaliere, P. Chaniel, C. Chapron, R. Charlassier, F. Columbro, G. Coppi, A. Coppolecchia, R. D'Agostino, G. D'Alessandro, P. de Bernardis, G. De Gasperis, M. De Leo, M. De Petris et al.
Universe 2019, 5(2), 42; (2019)
DOI: 10.3390/universe5020042; **IF 2.165**, Citation: 1 SCOPUS & 0 WoS

A77 - "The Three Hundred Project: Ram pressure and gas content of haloes and subhaloes in the phase-space plane"
Jake Arthur, Frazer R Pearce, Meghan E Gray, Alexander Knebe, Weiguang Cui, Pascal J Elahi, Chris Power, Gustavo Yepes, Alexander Arth, Marco De Petris, Klaus Dolag, Lilian Garratt-Smithson, Lyndsay J Old, Elena Rasia, Adam R H Stevens
Monthly Notices of the Royal Astronomical Society, Volume 484, Issue 3, April 2019, Pages 3968–3983, (2019)
DOI: 10.1093/mnras/stz212; **IF 5.231**, Citation: 1 SCOPUS & 5 WoS

A76 - "The Three Hundred Project: The Influence of Environment on Simulated Galaxy Properties"
Wang, Yang; Pearce, Frazer; Knebe, Alexander; Yepes, Gustavo; Cui, Weiguang; Power, Chris; Arth, Alexander; Gottlöber, Stefan; De Petris, Marco; Brown, Shaun; Feng, Longlong
The Astrophysical Journal, Volume 868, Issue 2, article id. 130, 14 pp. (2018)
arXiv:1809.05244
ISSN: 0004637X, DOI: 10.3847/1538-4357/aae52e; **IF 5.58**, Citation: 2 SCOPUS & 3 WoS

A75 - "The Three Hundred project: a large catalogue of theoretically modelled galaxy clusters for cosmological and astrophysical applications"
Cui, Weiguang; Knebe, Alexander; Yepes, Gustavo; Pearce, Frazer; Power, Chris; Dave, Romeel; Arth, Alexander; Borgani, Stefano; Dolag, Klaus; Elahi, Pascal; Mostoghiu, Robert; Murante, Giuseppe; Rasia, Elena; Stoppacher, Doris; Vega-Ferrero, Jesus; Wang, Yang; Yang, Xiaohu; Benson, Andrew; Cora, Sofia A.; Croton, Darren J.; Sinha, Manodeep; Stevens, Adam R. H.; Vega-Martínez, Cristian A.; Arthur, Jake; Baldi, Anna S.; Cañas, Rodrigo; Cialone, Giammarco; Cunname, Daniel; De Petris, Marco; et al.
Monthly Notices of the Royal Astronomical Society, Volume 480, Issue 3, p.2898-2915 (2018)
arXiv:1809.04622
ISSN: 00358711, DOI: 10.1093/mnras/sty2111; **IF 5.231**, Citation: 7 SCOPUS & 8 WoS

A74 – "Kinetic Sunyaev–Zel'dovich effect in rotating galaxy clusters from MUSIC simulations"
Baldi A.S., M De Petris, F Sembolini, G Yepes, W. Cui and L. Lamagna
Monthly Notices of the Royal Astronomical Society, Volume 479, 4028-4040 (2018),
arXiv:1805.07142
ISSN: 00358711, DOI: 10.1093/mnras/sty1722; **IF 5.231**, Citation: 6 SCOPUS & 6 WoS

A73 - "QUBIC: Measuring CMB polarization from Argentina"
de Bernardis, P.; Ade, P.; Amico, G.; Auguste, D.; Aumont, J.; Banfi, S.; Barbarán, G.; Battaglia, P.; Battistelli, E.; Baù, A.; Bélier, B.; Bennett, D.; Bergé, L.; Bernard, J. P.; Bersanelli, M.; Bigot-Sazy, M. A.; Bleuvacq, N.; Bonaparte, J.; Bonis, J.; Bordier, G.; Bréelle, E.; Bunn, E.; Burke, D.; Buzi, D.; Buzzelli, A.; Cavaliere, F.; Chaniel, P.; Chapron, C.; Charlassier, R.; Columbro, F.; Coppi, G.; Coppolecchia, A.; Couchot, F.; D'Agostino, R.; D'Alessandro, G.; De Gasperis, G.; De Leo, M.; De Petris, M.; et al..
Boletín de la Asociación Argentina de Astronomía, vol. 60, p.107-114 (2018)

A72 – "NIKA 150 GHz polarization observations of the Crab nebula and its Spectral Energy Distribution"
Ritacco A., J. F. Macías Pérez, N. Ponthieu, R. Adam, P. Ade, P. André, J. Aumont, A. Beelen, A. Benoît, A. Bideaud, N. Billot, O. Bourrion, A. Bracco, M. Calvo, A. Catalano, G. Coiffard, B. Comis, A. D'Addabbo, M. De Petris, F. X. Désert, S. Doyle, J. Goupy, C. Kramer, G. Lagache, S. Leclercq, J. F. Lestrade, P. Mausekopf, F. Mayet, A. Maury, A. Monfardini, F. Pajot, E. Pascale, L. Perotto, G. Pisano, M. Rebolo Iglesias, V. Revéret, L. Rodriguez, C. Romero, H. Roussel, F. Ruppín, K. Schuster, A. Sievers, G. Siringo, C. Thum, S. Triqueneaux, C. Tucker, H. Wiesemeyer, R. Zylka
Astronomy & Astrophysics, Volume 616, id. A35, 9 pp (2018),
arXiv:1804.09581v4
ISSN: 00046361; DOI: 10.1051/0004-6361/201731551; **IF 6.209**, Citation: 3 SCOPUS & 3 WoS

A71 – "A NIKA view of two star-forming infrared dark clouds: Dust emissivity variations and mass concentration"
Rigby A. J., N. Peretto, R. Adam, P. Ade, P. André, H. Aussel, A. Beelen, A. Benoît, A. Bracco, A. Bideaud, O. Bourrion, M. Calvo, A. Catalano, C. J. R. Clark, B. Comis, M. De Petris, F.-X. Désert, S. Doyle, E. F. C. Driessen, J. Goupy, C. Kramer, G. Lagache, S. Leclercq, J.-F. Lestrade, J. F. Macías-Pérez, P. Mausekopf, F. Mayet, A. Monfardini, E. Pascale, L. Perotto, G. Pisano, N. Ponthieu, V. Revéret, A. Ritacco, C. Romero, H. Roussel, F. Ruppín, K. Schuster, A. Sievers, S. Triqueneaux, C. Tucker, R. Zylka
Astronomy & Astrophysics, Volume 615, id. A18, 19 pp (2018)
arXiv:1801.09801v2
ISSN: 00046361; DOI: 10.1051/0004-6361/201732258; **IF 6.209**, Citation: 0 SCOPUS & 0 WoS

A70 – "First Sunyaev-Zel'dovich mapping with NIKA2: implication of cluster substructures on the pressure profile and mass estimate"
Ruppín, F.; Mayet, F.; Pratt, G. W.; Adam, R.; Ade, P.; André, P.; Arnaud, M.; Aussel, H.; Bartalucci, I.; Beelen, A.; Benoît, A.; Bideaud, A.; Bourrion, O.; Calvo, M.; Catalano, A.; Comis, B.; De Petris, M.; Désert, F.-X.; Doyle, S.; Driessen, E. F. C.; Goupy, J.; Kramer, C.; Lagache, G.; Leclercq, S.; Lestrade, J.-F.; Macías-Pérez, J. F.; Mausekopf, P.; Monfardini, A.; Perotto, L.; Pisano, G.; Pointecouteau, E.; Ponthieu, N.; Revéret, V.; Ritacco, A.; Romero, C.; Roussel, H.; Schuster, K.; Sievers, A.; Tucker, C.; Zylka, R.
Astronomy & Astrophysics, Volume 615, id. A112, 19 pp (2018)
arXiv:1712.09587
ISSN: 00046361; DOI: 10.1051/0004-6361/201732558; **IF 6.209**, Citation: 2 SCOPUS & 5 WoS

A69 - "The NIKA2 instrument at 30-m IRAM telescope: performance and results"

Catalano, A.; Adam, R.; Ade, P. A. R.; P.; André, Aussel, H.; Beelen, A.; Benoit, A.; Bideaud, A.; Billot, N.; Bourrion, O.; Calvo, M.; Comis, B.; De Petris, et al.

Journal of Low Temperature Physics 193, pages 916–922 (2018)

arXiv:1712.04003

ISSN: 00222291; DOI: 10.1007/s10909-018-1884-5; IF 1.491, Citation: 4 SCOPUS & 4 WoS

A68 – "Morphological estimators on Sunyaev–Zel'dovich maps of MUSIC clusters of galaxies"

G Cialone, M De Petris, F Sembolini, G Yepes, AS Baldi, E Rasia.

Monthly Notices of the Royal Astronomical Society 477, 139–152 (2018)

arXiv:1708.03325

ISSN: 00358711; DOI: 10.1093/mnras/sty621; IF 5.231, Citation: 4 SCOPUS & 5 WoS

A67 – "A multi-instrument non-parametric reconstruction of the electron pressure profile in the galaxy cluster CLJ1226.9+3332"

C. Romero, M. McWilliam, J.-F. Macías-Pérez, R. Adam, P. Ade, P. André, H. Aussel, A. Beelen, A. Benoit, A. Bideaud, N. Billot, O. Bourrion, M. Calvo, A. Catalano, G. Coiffard, B. Comis, M. De Petris, et al.

Astronomy & Astrophysics 612, A39 (2018)

ISSN: 00046361; DOI: 10.1051/0004-6361/201731599; IF 6.209, Citation: 9 SCOPUS & 9 WoS

A66 – "The NIKA2 large field-of-view millimeter continuum camera for the 30-m IRAM telescope"

Adam R., Amar Adane, P.A.R. Ade, Philippe André, Aina Andrianasolo, Herve Aussel, Alexandre Beelen, Alain Benoit, Aurelien Bideaud, Nicolas Billot, Olivier Bourrion, Andrea Bracco, Martino Calvo, Andrea Catalano, Gregoire Coiffard, Barbara Comis, Marco De Petris et al.

Astronomy & Astrophysics 609, A115 (2018),

arXiv:1707.00908

ISSN: 00046361; DOI: 10.1051/0004-6361/201731503; IF 6.209, Citation: 36 SCOPUS & 30 WoS

A65 – "Exploring Cosmic Origins with CORE: Survey requirements and mission design"

J. Delabrouille, P. de Bernardis, F. R. Bouchet, A. Achúcarro, P. A. R. Ade, R. Allison, F. Arroja, E. Artal, M. Ashdown, C. Baccigalupi, M. Ballardini, A. J. Banday, R. Banerji, D. Barbosa, J. Bartlett, N. Bartolo, S. Basak, J. J. A. Baselmans, K. Basu, E. S. Battistelli, R. Battye, D. Baumann, A. Benoit, M. Bersanelli, A. Bideaud, M. Biesiada, M. Bilicki, A. Bonaldi, M. Bonato, J. Borrill, F. Boulanger, T. Brinckmann, M. L. Brown, M. Bucher, C. Burigana, A. Buzzelli, G. Cabass, Z.-Y. Cai, M. Calvo, A. Caputo, C.-S. Carvalho, F. J. Casas, G. Castellano, A. Catalano, A. Challinor, I. Charles, J. Chluba, D. L. Clements, S. Clesse, S. Colafrancesco, I. Colantoni, D. Contreras, A. Coppolecchia, M. Crook, G. D'Alessandro, G. D'Amico, A. da Silva, M. de Avillez, G. de Gasperis, M. De Petris, et al.

JCAP04 (2018) 014

arXiv:1706.04516

ISSN: 14757516; DOI: 10.1088/1475-7516/2018/04/014; IF 5.524, Citation: 67 SCOPUS & 40 WoS

A64 - "Exploring Cosmic Origins with CORE: The Instrument"

P. de Bernardis, P.A.R. Ade, J.J.A. Baselmans, E.S. Battistelli, A. Benoit, M. Bersanelli, A. Bideaud, M. Calvo, F.J. Casas, G. Castellano, A. Catalano, I. Charles, I. Colantoni, A. Coppolecchia, M. Crook, G. D'Alessandro, M. De Petris, J. Delabrouille, S. Doyle, C. Franceschet, A. Gomez, J. Goupy, S. Hanany, M. Hills, L. Lamagna, J. Macias-Perez, B. Maffei, S. Martin, E. Martinez-Gonzalez, S. Masi, D. McCarthy, A. Mennella, A. Monfardini, F. Noviello, A. Paiella, F. Piacentini, M. Piat, G. Pisano, G. Signorelli, C.Y. Tan, A. Tartari, N. Trappe, S. Triqueneaux, C. Tucker, G. Vermeulen, K. Young, M. Zannoni, A. Achúcarro, R. Allison, M. Ashdown, M. Ballardini, A.J. Banday, R. Banerji, J. Bartlett, N. Bartolo, S. Basak, A. Bonaldi, M. Bonato, J. Borrill, F. Bouchet, F. Boulanger, et al.

JCAP04(2018)015

arXiv:1705.02170

ISSN: 14757516; DOI: 10.1088/1475-7516/2018/04/015; IF 5.524, Citation: 18 SCOPUS & 8 WoS

A63 - "Exploring Cosmic Origins with CORE: Cluster Science"

J.-B. Melin, A. Bonaldi, M. Remazeilles, S. Hagstotz, J.M. Diego, C. Hernández-Monteagudo, R.T. Génova-Santos, G. Luzzi, C.J.A.P. Martins, S. Grandis, J.J. Mohr, J.G. Bartlett, J. Delabrouille, S. Ferraro, D. Tramonte, J.A. Rubiño-Martín, J.F. Macías-Pérez, A. Achúcarro, P. Ade, R. Allison, M. Ashdown, M. Ballardini, A.J. Banday, R. Banerji, N. Bartolo, S. Basak, J. Baselmans, K. Basu, R. A. Battye, D. Baumann, M. Bersanelli, M. Bonato, J. Borrill, F. Bouchet, F. Boulanger, T. Brinckmann, M. Bucher, C. Burigana, A. Buzzelli, Z.-Y. Cai, M. Calvo, C. S. Carvalho, M. G. Castellano, A. Challinor, J. Chluba, S. Clesse, S. Colafrancesco, I. Colantoni, A. Coppolecchia, M. Crook, G. D'Alessandro, P. de Bernardis, G. de Gasperis, M. De Petris, et al.

JCAP04(2018)019

arXiv:1703.10456

ISSN: 14757516; DOI: 10.1088/1475-7516/2018/04/019; IF 5.524, Citation: 19 SCOPUS & 14 WoS

A62 - "Exploring Cosmic Origins with CORE: Cosmological Parameters"

Eleonora Di Valentino, Thejs Brinckmann, Martina Gerbino, Vivian Poulin, François R. Bouchet, Julien Lesgourgues, Alessandro Melchiorri, Jens Chluba, Sebastien Clesse, Jacques Delabrouille, Cora Dvorkin, Francesco Forastieri, Silvia Galli, Deanna C. Hooper, Massimiliano Lattanzi, Carlos J. A. P. Martins, Laura Salvati, Giovanni Cabass, Andrea Caputo, Elena Giusarma, Eric Hivon, Paolo Natoli, Luca Pagano, Simone Paradiso, Jose Alberto Rubino-Martin, Ana Achúcarro, Peter Ade, Rupert Allison, Frederico Arroja, Marc Ashdown, Mario Ballardini, A. J. Banday, Ranajoy Banerji, Nicola Bartolo, James G. Bartlett, Soumen Basak, Jochem Baselmans, Daniel Baumann, Paolo de Bernardis, Marco Bersanelli, Anna Bonaldi, Matteo Bonato, Julian Borrill, François Boulanger, Martin Bucher, Carlo Burigana, et al.

JCAP04(2018)017

arXiv:1612.00021

ISSN: 14757516; DOI: 10.1088/1475-7516/2018/04/017; **IF 5.524**, Citation: 63 SCOPUS & 26 WoS

A61 - "The XXL survey: first results and future"

M. Pierre, C. Adami, M. Birkinshaw, L. Chiappetti, S. Ettori, A. Evrard, L. Faccioli, F. Gastaldello, P. Giles, C. Horellou, A. Iovino, E. Koulouridis, C. Lidman, A. Le Brun, B. Maughan, S. Maurogordato, I. McCarthy, S. Miyazaki, F. Pacaud, S. Paltani, M. Plionis, T. Reiprich, T. Sadibekova, V. Smolcic, S. Snowden, J. Surdej, M. Tsirou, C. Vignali, J. Willis, S. Alis, B. Altieri, N. Baran, C. Benoist, A. Bongiorno, M. Bremer, A. Butler, A. Cappi, C. Caretta, P. Ciliegi, N. Clerc, P. S. Corasaniti, J. Coupon, J. Delhaize, I. Delvecchio, J. Democles, Sh. Desai, J. Devriendt, Y. Dubois, D. Eckert, A. Elyiv, A. Farahi, C. Ferrari, S. Fotopoulou, W. Forman, I. Georgantopoulos, V. Guglielmo, M. Huynh, N. Jerlin, Ch. Jones, S. Lavoie, J.-P. Le Fevre, M. Lieu, M. Kilbinger, F. Marulli, A. Mantz, et al. (46 additional authors not shown)

Astronomische Nachrichten / AN. (2017); 338:334–341

ISSN: 0004-6337; DOI: 10.1002/asna.201713352; **IF 1.289**, Citation: 4 SCOPUS & 4 WoS

A60 - "Non parametric deprojection of NIKA SZ observations: pressure distribution in the Planck-discovered cluster PSZ1 G045.85+57.71"

Ruppin F., R. Adam, B. Comis, P. Ade, P. André, M. Arnaud, A. Beelen, A. Benoît, A. Bideaud, N. Billot, O. Bourrion, M. Calvo, A. Catalano, G. Coiffard, A. D'Addabbo, M. De Petris, F.-X. Désert, S. Doyle, J. Goupy, C. Kramer, S. Leclercq, J.F. Macías-Pérez, P. Mauskopf, F. Mayet, A. Monfardini, F. Pajot, E. Pascale, L. Perotto, G. Pisano, E. Pointecouteau, N. Ponthieu, G. W. Pratt, V. Revéret, A. Ritacco, L. Rodriguez, C. Romero, K. Schuster, A. Sievers, S. Triqueneaux, C. Tucker, R. Zylka

Astronomy & Astrophysics 597, A110 (2017)

arXiv:1607.07679

ISSN: 00046361; DOI: 10.1051/0004-6361/201629405; **IF 6.209**, Citation: 15 SCOPUS & 12 WoS

A59 - "Mapping the kinetic Sunyaev-Zel'dovich effect toward MACS J0717.5+3745 with NIKA"

Adam, R.; Bartalucci, I.; Pratt, G. W.; Ade, P.; André, P.; Arnaud, M.; Beelen, A.; Benoît, A.; Bideaud, A.; Billot, N.; Bourdin, H.; Bourrion, O.; Calvo, M.; Catalano, A.; Coiffard, G.; Comis, B.; D'Addabbo, A.; De Petris, M.; Désert, F.-X.; Démoclès, J.; Doyle, S.; Egami, E.; Ferrari, C.; Goupy, J.; Kramer, C.; Lagache, G.; Leclercq, S.; Macías-Pérez, J.-F.; Maurogordato, S.; Mauskopf, P.; Mayet, F.; Monfardini, A.; Mroczkowski, T.; Pajot, F.; Pascale, E.; Perotto, L.; Pisano, G.; Pointecouteau, E.; Ponthieu, N.; Revéret, V.; Ritacco, A.; Rodriguez, L.; Romero, C.; Ruppin, F.; Schuster, K.; Sievers, A.; Triqueneaux, S.; Tucker, C.; Zemcov, M.; Zylka, R.

Astronomy & Astrophysics 598, A115 (2017)

arXiv:1606.07721

ISSN: 00046361; DOI: 10.1051/0004-6361/201629182; **IF 6.209**, Citation: 27 SCOPUS & 22 WoS

A58 - "On the coherent rotation of diffuse matter in numerical simulations of galaxy clusters"

A.S. Baldi, M. De Petris, F. Sembolini, G. Yepes, L. Lamagna and E. Rasia,

Monthly Notices of the Royal Astronomical Society (2017) 465 (3): 2584-2594

arXiv:1606.02148

ISSN: 00358711; DOI: 10.1093/mnras/stw2858; **IF 5.231**, Citation: 11 SCOPUS & 11 WoS

A57 - "QUBIC: A Fizeau Interferometer Targeting Primordial B-Modes"

Tartari, A.; Aumont, J.; Banfi, S.; Battaglia, P.; Battistelli, E. S.; Baù, A.; Bélier, B.; Bennett, D.; Bergé, L.; Bernard, J. Ph.; Bersanelli, M.; Bigot-Sazy, M. A.; Bleuvacq, N.; Bordier, G.; Brossard, J.; Bunn, E. F.; Buzi, D.; Camilleri, D.; Cavaliere, F.; Chaniel, P.; Chapron, C.; Coppolecchia, A.; D'Alessandro, G.; De Bernardis, P.; Decourcelle, T.; Del Torto, F.; De Petris, M.; Dumoulin, L.; Franceschet, C.; Gault, A.; Gayer, D.; Gervasi, M.; Ghribi, A.; Giard, M.; Giraud-Héraud, Y.; Gradziel, M.; Grandsire, L.; Hamilton, J. Ch.; Haynes, V.; Holtzer, N.; Kaplan, J.; Korotkov, A.; Lande, J.; Lowitz, A.; Maffei, B.; Marnieros, S.; Martino, J.; Masi, S.; McCulloch, M.; Melhuish, S.; Mennella, A.; Montier, L.; Murphy, A.; Néel, D.; Ng, M. W.; O'Sullivan, C.; Pajot, F.; Passerini, A.; Perbost, C.; Piacentini, F.; Piat, M.; Piccirillo, L.; Pisano, G.; Prêle, D.; Rambaud, D.; Rigaut, O.; Salatino, M.; Schillaci, A.; Scully, S.; Stolpovskiy, M. M.; Timbie, P.; Tucker, G.; Viganò, D.; Voisin, F.; Watson, B.; Zannoni, M.

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ISSN: 00222291; DOI: 10.1007/s10909-015-1398-3; **IF 1.491**, Citation: 2 SCOPUS & 5 WoS

A56 - "Constraining the evolution of the CMB temperature with SZ measurements from Planck data"

G. Luzzi, R. T. Génova-Santos, C.J.A.P. Martins, M. De Petris and L. Lamagna

Journal of Cosmology and Astroparticle Physics, Issue 09, article id. 011, pp. (2015).

arXiv:1502.07858v1

ISSN: 14757516; DOI: 10.1088/1475-7516/2015/09/011; **IF 5.524**, Citation: 22 SCOPUS & 20 WoS

A54 - "The MUSIC of CLASH: predictions on the concentration-mass relation"

M. Meneghetti, E. Rasia, J. Vega, J. Merten, M. Postman, G. Yepes, F. Sembolini, M. Donahue, S. Ettori, K. Umetsu, I. Balestra, M. Bartelmann, N. Benitez, A. Biviano, R. Bouwens, L. Bradley, T. Broadhurst, D. Coe, N. Czakon, M. De Petris, H. Ford, C. Giocoli, S. Gottloeber, C. Grillo, L. Infante, S. Jouvel, D. Kelson, A. Koekemoer, O. Lahav, D. Lemze, E. Medezinski, P. Melchior, A. Mercurio, A. Molino, L. Moscardini, A. Monna, J. Moustakas, L.A. Moustakas, M. Nonino, J. Rhodes, P. Rosati, J. Sayers, S. Seitz, W. Zheng, A. Zitrin

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A53 - "Latest Progress on the QUBIC Instrument"

A. Ghribi, J. Aumont, E. S. Battistelli, A. Bau, L. Bergé, J-Ph. Bernard, M. Bersanelli, M-A. Bigot-Sazy, G. Bordier, E. T. Bunn, F. Cavaliere, P. Chanial, A. Coppolecchia, T. Decourcelle, P. De Bernardis, M. De Petris, A-A. Drilien, L. Dumoulin, M. C. Falvella, A. Gault, M. Gervasi, M. Giard, M. Gradziel, L. Grandsire, D. Gayer, J-Ch. Hamilton, V. Haynes, Y. Giraud-Héraud, N. Holtzer, J. Kaplan, A. Korotkov, J. Lande, A. Lowitz, B. Maffei, S. Marnieros, J. Martino, S. Masi, A. Mennella, L. Montier, A. Murphy, M. W. Ng, E. Olivieri, F. Pajot, A. Passerini, F. Piacentini, M. Piat, L. Piccirillo, G. Pisano, D. Prêle, D. Rambaud, O. Rigaut, C. Rosset, M. Salatino, A. Schillaci, S. Scully, C. O'Sullivan, A. Tartari, P. Timbie, G. Tucker, L. Vibert, F. Voisin, B. Watson, M. Zannoni
Journal of Low Temperature Physics, 176, 5-6, pp. 698-704 (2014)

arXiv:1307.5701

ISSN: 00222291; DOI: 10.1007/s10909-013-1024-1; IF 1.491, Citation: 10 SCOPUS & 8 WoS

A52 - "The MUSIC of Galaxy Clusters III: Properties, evolution and Y-M scaling relation of protoclusters of galaxies"

Sembolini F., M. De Petris, G. Yepes, E. Foschi, L. Lamagna and S. Gottlober

Monthly Notices of the Royal Astronomical Society, 440, 3520–3531 (2014)

ISSN: 00358711; DOI: 10.1093/mnras/stu554; IF 5.231, Citation: 19 SCOPUS & 18 WoS

A51 - "The MUSIC of Galaxy Clusters II: X-ray global properties and scaling relations"

Biffi V., Sembolini F., M. De Petris, R. Valdarnini, G. Yepes and S. Gottlober

Monthly Notices of the Royal Astronomical Society, 439, 588–603 (2014)

ISSN: 00358711; DOI: 10.1093/mnras/stu018; IF 5.231, Citation: 29 SCOPUS & 29 WoS

A50 - "PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper"

PRISM Collaboration: Philippe Andre, Carlo Baccigalupi, Domingos Barbosa, James Bartlett, Nicola Bartolo, Elia Battistelli, Richard Battye, George Bendo, Jean-Philippe Bernard, Marco Bersanelli, Matthieu Bethermin, Pawel Bielewicz, Anna Bonaldi, Francois Bouchet, Francois Boulanger, Jan Brand, Martin Bucher, Carlo Burigana, Zhen-Yi Cai, Viviana Casasola, Guillaume Castex, Anthony Challinor, Jens Chluba, Sergio Colafrancesco, Francesco Cuttaia, Giuseppe D'Alessandro, Richard Davis, Miguel de Avillez, Paolo de Bernardis, Marco De Petris, Adriano de Rosa, Gianfranco de Zotti, Jacques Delabrouille, Clive Dickinson, Jose Maria Diego, Edith Falgarone, Pedro Ferreira, Katia Ferriere, Fabio Finelli, Andrew Fletcher, Gary Fuller, Silvia Galli, Ken Ganga, Juan Garcia-Bellido, Adnan Ghribi, J. Gonzalez-Nuevo, et al.

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A49 - "The evolution of the Y-M scaling relation in MUSIC clusters"

Sembolini F., G. Yepes, M. De Petris, S. Gottlober, L. Lamagna and B. Comis

Astronomische Nachrichten / AN 334, No. 4/5, 441 – 444 (2013)

ISSN: 00046337; DOI: 10.1002/asna.201211875; IF 1.289, Citation: 1 SCOPUS & 1 WoS

A48 - "Atmospheric monitoring in the mm and sub-mm bands for cosmological observations: CASPER2"

M. De Petris, De Gregori S., B. Decina, L. Lamagna and J.R. Pardo.

Monthly Notices of the Royal Astronomical Society, Volume 429, Issue 1, p.849-858 (2013)

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ISSN: 00358711; DOI:10.1093/mnras/sts380; IF 1.289, Citation: 0 SCOPUS & 0 WoS

A47 - "The MUSIC of Galaxy Clusters I: Baryon properties and Scaling Relations of the thermal Sunyaev-Zel'dovich Effect"

Sembolini F., G. Yepes, M. De Petris, S. Gottlober, L. Lamagna and B. Comis

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arXiv:1207.4438v1

ISSN: 00358711; DOI: 10.1093/mnras/sts339; IF 5.231, Citation: 54 SCOPUS & 55 WoS

A46 - "Millimetre and submillimetre atmospheric performance at Dome C combining radiosoundings and ATM synthetic spectra"

De Gregori S., M. De Petris, B. Decina, L. Lamagna, J.R. Pardo, B. Petkov, C. Tomasi and L. Valenziano

Monthly Notices of the Royal Astronomical Society, Volume 425, Issue 222 (2012),

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ISSN: 00358711; DOI: 10.1111/j.1365-2966.2012.21430.x; IF 5.231, Citation: 6 SCOPUS & 4 WoS

A45 - "JDry-100-ASTRA, a cryogen-free 3He- 4He dilution refrigerator for ground-based Cosmic Microwave Background astronomy"

Shvarts V., Zhao Z., Jirmanus M., Battiston R., Calvo M., de Bernardis P., De Petris M., Giordano C., Masi S. and Mezzena R.,

Journal of Physics: Conference Series 400 (2012) 052033

ISSN: 17426588; DOI: 10.1088/1742-6596/400/5/052033; IF 5.231, Citation: 0 SCOPUS & 0 WoS

A44 - "X-ray calibration of SZ scaling relations with the ACCEPT catalogue of galaxy clusters observed by Chandra"

B. Comis, M. De Petris A. Conte, L.Lamagna, and S. De Gregori

Monthly Notices of the Royal Astronomical Society, (2011) Volume 418, Issue 2, pp. 1089-1101,

ISSN: 00358711; DOI: 10.1111/j.1365-2966.2011.19562.x; IF 5.231, Citation: 18 SCOPUS & 17 WoS

A43 - "Biased total mass of cool core galaxy clusters by Sunyaev-Zel'dovich Effect measurements"

A. Conte, M. De Petris, B. Comis, L.Lamagna, and S. De Gregori

Astronomy & Astrophysics Volume: 532 Article Number: A14 (2011)

arXiv:1012.1106

ISSN: 00046361; DOI: 10.1051/0004-6361/201116813; IF 6.209, Citation: 4 SCOPUS & 4 WoS

A42 - "QUBIC: The QU bolometric interferometer for cosmology"

Battistelli E.; Bau A.; Bennett D. M. De Petris et al.

Astroparticle Physics Volume 34 Issue 9 Pages: 705-716 (2011)

ISSN: 09276505; DOI: 10.1016/j.astropartphys.2011.01.012; IF 2.598, Citation: 40 SCOPUS & 38 WoS

A41 - "The SZ effect as a cosmic thermometer: Methods, results, future prospects"

L. Lamagna, G. Luzzi, M. Shimon, E.S. Battistelli, A. Conte, S. De Gregori, M. De Petris, Y. Rephaeli

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ISSN: 15949982; DOI: 10.1393/ncb/i2010-10867-5; IF 2.598, Citation: 0 SCOPUS & 0 WoS

A40 - "Redshift Dependence of the CMB Temperature from S-Z Measurements"

G. Luzzi, M. Shimon, L. Lamagna, Y. Rephaeli, M. De Petris, A. Conte, S. De Gregori, E.S. Battistelli

Astrophysical Journal 705, 1122-1128 (2009)

arXiv:0909.2815v1

ISSN: 0004637X; DOI: 10.1088/0004-637X/705/2/1122; IF 5.58, Citation: 54 SCOPUS & 54 WoS

A39 - "The Sunyaev-Zeldovich effect in superclusters of galaxies using gasdynamical simulations: the case of Corona Borealis"

I. Flores-Cacho, J.A. Rubino-Martin, G. Luzzi, R. Rebolo, M. De Petris, G. Yepes, L. Lamagna, S. De Gregori, E.S. Battistelli, R. Coratella and S. Gottlober

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arXiv:0908.2726v1

ISSN: 00358711; DOI: 10.1111/j.1365-2966.2009.15578.x; IF 5.231, Citation: 25 SCOPUS & 8 WoS

A38 - "New data for the X, y, z, Tcmb reference frame"

S. De Gregori, A. Conte, M. De Petris, L. Lamagna, G. Luzzi, E.S. Battistelli, G. Savini

Il Nuovo Cimento vol. 122 B, N. 9-11 pp.1239-1243 (2008)

ISSN: 15949982; DOI: 10.1393/ncb/i2008-10465-2; IF 0.265, Citation: 2 SCOPUS & 1 WoS

A37 - "The OLIMPO experiment"

F. Nati, P.Ade, A. Boscaleri, D. Brienza, M. Calvo, S. Colafrancesco, L. Conversi, P. de Bernardis, M. De Petris, A. Delbart, P. Hargrave, A. Iacoangeli, J.B. Juin, C. Magneville, C. Marini Bettolo, S.Masi, P. Mauskopf, F. Melchiorri, L. Nati, A. Orlando, Y. Rephaeli, G. Romeo, J.P.

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A36 - "S-Z effect from Corona Borealis supercluster"

E.S. Battistelli, M. De Petris, L. Lamagna, R.A. Watson, R. Rebolo, R. Génova-Santos, G. Luzzi, S. De Gregori, J.A. Rubiño-Martin,

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ISSN: 13876473; DOI: 10.1016/j.newar.2006.11.040; IF 6.933, Citation: 1 SCOPUS & 1 WoS

A35 - "S-Z constraints on the dependence of the CMB temperature on redshift"

L. Lamagna, E. S. Battistelli, M. De Petris, S. De Gregori, G. Luzzi, G. Savini

New Astronomy Reviews, Volume 51, Issue 3-4, p. 381-384 (2007)

ISSN: 13876473; DOI: 10.1016/j.newar.2006.11.041; IF 6.933, Citation: 6 SCOPUS & 4 WoS

A34 - "MITO: a "creative approach" for Sunyaev-Zel'dovich effect observations from ground"

M. De Petris, L. Lamagna, G. Luzzi, S. De Gregori, E. S. Battistelli, L. Bonavera, E. Caca, R. Coratella, V. Lattanti, F. Mancini, A. Orlando, G. Savini, S. Stefani, C. Tombari, F. Vasciarelli, G. Vetrani

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A33 - "Millimetric observation of the SZ effect in the Corona Borealis supercluster"

E.S. Battistelli, M. De Petris, L. Lamagna, R.A. Watson, R. Rebolo, F. Melchiorri, R. Génova-Santos, G. Luzzi, S. De Gregori, J.A. Rubiño-Martin, R.D. Davies, R.J. Davis, K. Grainge, M.P. Hobson, R.D.E. Saunders, P.F. Scott,

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A32 - "A Far Infrared Polarimeter"

Catalano A., L. Conversi, S. De Gregori, De Petris, M., Lamagna, L., R. Maoli, G. Savini, E.S. Battistelli and A. Orlando

New Astronomy Vol. 10, 2, 79-89, (2004)

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A31 - "VISPO project: visible image-spectrometer for planetary observations"

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A32 - "Triple experiment spectrum of the Sunyaev-Zeldovich Effect in the Coma cluster: HO"
Battistelli, E.S., De Petris, M., Lamagna, L., G. Luzzi, R. Maoli, A. Melchiorri, F. Melchiorri, A. Orlando, E. Palladino, G. Savini, Y. Rephaeli, M. Shimon, S. Colafrancesco, E. Kreysa and M. Signore
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A29 - "Absolute calibration and beam reconstruction of MITO (a ground-based instrument in the millimetric region)"
Savini G., A. Orlando, Battistelli, E.S., De Petris, M., Lamagna, L., G. Luzzi and E. Palladino
New Astronomy, Vol.8, 7, 727-736 (2003)
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A28 - "Cosmic Microwave Background Temperature at Galaxy Clusters"
Battistelli, E.S., De Petris, M., Lamagna, L., Melchiorri, F., Palladino, E., Savini, G., Cooray, A., Melchiorri, A., Rephaeli, Y., and M. Shimon
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A27 - "MITO Measurements of the Sunyaev-Zeldovich Effect in the Coma Cluster of Galaxies"
M. De Petris, L. D'Alba, L. Lamagna, F. Melchiorri, A. Orlando, E. Palladino, Y. Rephaeli, S. Colafrancesco, E. Kreysa, M. Signore;
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A26 - "The Sunyaev-Zeldovich MITO Project"
D'Alba L., F. Melchiorri, De Petris M., A. Orlando, L. Lamagna, Y. Rephaeli, S. Colafrancesco, M. Signore, E. Kreysa;
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A25 - "Calibration and first light of the Diabolo Photometer at the Millimetre and Infrared Testa Grigia Observatory"
A. Benoit, F. Zagury, N. Coron, M. De Petris, F.X.Desert, M. Giard, J.P. Bernard, J.P. Crussaire, G. Dambier, P. de Bernardis, J. Delabrouille, A. De Luca, P. de Marcillac, G.Jegoudez, J.M.Lamarre, J. Leblanc, J.P. Lepeltier, B. Leriche, G. Mainella, J. Narbonne, F. Pajot, R. Pons, J.L. Puget, S. Pujol, G. Recouvreur, G. Serra, V. Soglasnova, J.P. Torre, B. Vozzi;
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De Petris M., G. Mainella, A. Nerozzi, P. de Bernardis, G. Garavini, S. Granata, G. Guarini, S. Masi, B. Melchiorri, F. Melchiorri, S. Nobili, A. Orlando, L. Palumbo, G. Pisano, A. Terracina;
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Maiani T., P. de Bernardis, M. De Petris, S. Granata, S. Masi, A. Orlando, E. Aquilini, P. Cardoni, L. Martinis, F. Scaramuzzi;
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Gervasi M., P. de Bernardis, M. De Petris, S. Masi, G. Pisano;
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Masi S., P. de Bernardis, M. De Petris, M. Gervasi, A. Boscaleri, E.Aquilini, L. Martinis, and F. Scaramuzzi;
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A20 - "Limitations to the accuracy of Cosmic Background Radiation anisotropy measurements: atmospheric fluctuations"
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A19 - "MITO: the 2.6-m millimetre telescope at Testa Grigia"

De Petris M., E. Aquilini, M. Canonico, L. D'Addio, P. de Bernardis, G. Mainella, A. Mandiello, L. Martinis, S. Masi, B. Melchiorri, M. Perciballi, F. Scaramuzzi;

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A18 - "High performance wobbling subreflector for the MITO 2.6-m telescope"

Mainella G., P. de Bernardis, M. De Petris, A. Mandiello, M. Perciballi, G. Romeo;

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A17 - "Far infrared multi-frequency observation of interstellar dust clouds"

Masi S., E. Aquilini, A. Boscaleri, P. de Bernardis, M. De Petris, M. Gervasi, L. Martinis, V. Natale, P. Palumbo, F. Scaramuzzi;

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A16 - "ARGO 1993 observations of interstellar dust emission"

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A15 - "The ARGO 1993 flight: detection of CMB anisotropies at angular scales around one degree"

de Bernardis P., E. Aquilini, A. Boscaleri, M. De Petris, G. D'Andreta, M. Gervasi, E. Kreysa, L. Martinis, S. Masi, P. Palumbo, F. Scaramuzzi;

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A14 - "The BOOMERANG experiment"

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A13 - "MITO: a procedure for CBA measurements and a search for cosmic string"

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A12 - "Degree-scale observations of cosmic microwave background anisotropies"

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A9 - "ARGO: A balloon-borne telescope for measurements of the millimeter diffuse sky emission"

de Bernardis P., E. Aquilini, A. Boscaleri, M. De Petris, M. Gervasi, L. Martinis, S. Masi, V. Natale, P. Palumbo, F. Scaramuzzi, L. Valenziano;

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A8 - "The ARGO Project: scientific targets, first results and future perspectives"

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A7 - "The TIR Project: a balloon telescope for the measurements of CBR anisotropies"

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Masi S., P. de Bernardis, M. De Petris, M. Epifani, M. Gervasi, G. Guarini;
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A4 - "A short wavelength measurement of the Cosmic Background Radiation anisotropy"

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A1 - "A balloon borne millimetric telescope: experimental study of the thermal gradients on the primary mirror"

de Bernardis P., M. De Petris, M. Epifani, M. Gervasi, G. Guarini, S. Masi;
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P80 – "Preliminary results on the instrumental polarization of NIKA2-Pol at the IRAM 30m telescope"

H. Ajeddig, R. Adam, P. Ade, Ph. André, A. Andrianasolo, H. Aussel, A. Beelen, A. Benoît, A. Bideaud, O. Bourrion, M. Calvo, A. Catalano, B. Comis, M. De Petris, F.-X. Désert, S. Doyle, E.F.C. Driessen, A. Gomez, J. Goupy, F. Kéruszoré, C. Kramer, B. Ladjelate, G. Lagache, S. Leclercq, J.-F. Lestrade, J.F. Macías-Pérez, A. Maury, P. Mauskopf, F. Mayet, A. Monfardini, L. Perotto, G. Pisano, N. Ponthieu, V. Revéret, A. Ritacco, C. Romero, H. Roussel, F. Ruppín, K. Schuster, Y. Shimajiri, S. Shu, A. Sievers, C. Tucker and R. Zylka
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P79 – "Observing with NIKA2Pol from the IRAM 30m telescope: Early results on the commissioning phase"

A. Ritacco, R. Adam, P. Ade, H. Ajeddig, P. André, A. Andrianasolo, H. Aussel, A. Beelen, A. Benoît, A. Bideaud, O. Bourrion, M. Calvo, A. Catalano, B. Comis, M. De Petris, F.-X. Désert, S. Doyle, E.F.C. Driessen, A. Gomez, J. Goupy, F. Kéruszoré, C. Kramer, B. Ladjelate, G. Lagache, S. Leclercq, J.-F. Lestrade, J.F. Macías-Pérez, P. Mauskopf, A. Maury, F. Mayet, A. Monfardini, L. Perotto, G. Pisano, N. Ponthieu, V. Revéret, C. Romero, H. Roussel, F. Ruppín, K. Schuster, Y. Shimajiri, S. Shu, A. Sievers, C. Tucker and R. Zylka
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P78 – "The NIKA polarimeter on science targets. Crab nebula observations at 150 GHz and dual-band polarization images of Orion Molecular Cloud OMC-1"

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P77 – "Debris disks around stars in the NIKA2 era"

J.-F. Lestrade, J.-C. Augereau, M. Booth, R. Adam, P. Ade, P. Andre A., Andrianasolo, H. Aussel, A. Beelen, A. Benoit, A. Bideaud, O. Bourrion, M. Calvo, A. Catalano, B. Comis, M. De Petris, F.-X. Desert, S. Doyle, E. F. C. Driessen, A. Gomez, J. Goupy W. Holland, F. Keruzore, C. Kramer, B. Ladjelate, G. Lagache, S. Leclercq, C. Lefevre, J.F. Macias-Perez, P. Mauskopf, F. Mayet, A. Monfardini, L. Perotto, G. Pisano, N. Ponthieu, V. Reveret, A. Ritacco, C. Romero, H. Roussel, F. Ruppín, K. Schuster, S. Shu, A. Sievers, P. Thebault, C. Tucker, R. Zylka

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P76 – “KISS: a spectrometric imager for millimetre cosmology”

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P75 – “NIKA2 mapping and cross-instrument SED extraction of extended sources with Scanamorphos”

H. Roussel, N. Ponthieu, R. Adam, P. Ade, P. André, A. Andrianasolo, H. Aussel, A. Beelen, A. Benoît, A. Bideaud, O. Bourrion, M. Calvo, A. Catalano, B. Comis, M. De Petris, F.-X. Désert, S. Doyle, E. F. C. Driessen, A. Gomez, J. Goupy, F. Kéruzoré, C. Kramer, B. Ladjelate, G. Lagache, S. Leclercq, J.-F. Lestrade, J.F. Macías-Pérez, P. Mausekopf, F. Mayet, A. Monfardini, L. Perotto, G. Pisano, V. Revéret, A. Ritacco, C. Romero, F. Ruppin, K. Schuster, S. Shu, A. Sievers, C. Tucker, R. Zylka
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P74 – “GASTON: Galactic Star Formation with NIKA2: A new population of cold massive sources discovered”

N. Peretto, A. Rigby, R. Adam, P. Ade, P. André, A. Andrianasolo, H. Aussel, A. Bacmann, A. Beelen, A. Benoît, A. Bideaud, O. Bourrion, M. Calvo, A. Catalano, B. Comis, M. De Petris, F.-X. Désert, S. Doyle, E. F. C. Driessen, A. Gomez, J. Goupy, F. Kéruzoré, C. Kramer, B. Ladjelate, G. Lagache, S. Leclercq, J.-F. Lestrade, J.F. Macías-Pérez, P. Mausekopf, F. Mayet, A. Monfardini, F. Motte, L. Perotto, G. Pisano, N. Ponthieu, V. Revéret, I. Ristorcelli, A. Ritacco, C. Romero, H. Roussel, F. Ruppin, K. Schuster, S. Shu, A. Sievers, C. Tucker, R. Zylka
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P73 – “Cluster cosmology with the NIKA2 SZ Large Program”

F. Mayet, R. Adam, P. Ade, P. André, A. Andrianasolo, M. Arnaud, H. Aussel, I. Bartalucci, A. Beelen, A. Benoît, A. Bideaud, O. Bourrion, M. Calvo, A. Catalano, B. Comis, M. De Petris, F.-X. Désert, S. Doyle, E. F. C. Driessen, A. Gomez, J. Goupy, F. Kéruzoré, C. Kramer, B. Ladjelate, G. Lagache, S. Leclercq, J.-F. Lestrade, J.F. Macías-Pérez, P. Mausekopf, A. Monfardini, L. Perotto, G. Pisano, E. Pointecouteau, N. Ponthieu, G. W. Pratt, V. Revéret, A. Ritacco, C. Romero, H. Roussel, F. Ruppin, K. Schuster, S. Shu, A. Sievers, C. Tucker, R. Zylka
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P72 – “Confirmation of NIKA2 investigation of the Sunyaev-Zel'dovich effect by using synthetic clusters of galaxies”

M. De Petris, F. Ruppin, F. Sembolini, R. Adam, A.S. Baldi, G. Cialone, B. Comis, F. De Luca, G. Gianfagna, F. Kéruzoré, J. Macías-Pérez, F. Mayet, L. Perotto, G. Yepes
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P71 – “NIKA: a mm camera for Sunyaev-Zel'dovich science in clusters of galaxies”

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P70 – “Mapping the gas thermodynamic properties of the massive cluster merger MOO J1142+1527 at $z = 1.2$ ”

F. Ruppin, R. Adam, P. Ade, P. André, A. Andrianasolo, M. Arnaud, H. Aussel, I. Bartalucci, M. W. Bautz, A. Beelen, A. Benoît, A. Bideaud, O. Bourrion, M. Brodwin, M. Calvo, A. Catalano, B. Comis, B. Decker, M. De Petris, F.-X. Désert, S. Doyle, E. F. C. Driessen, P. R. M. Eisenhardt, A. Gomez, A. H. Gonzalez, J. Goupy, F. Kéruzoré, C. Kramer, B. Ladjelate, G. Lagache, S. Leclercq, J.-F. Lestrade, J.F. Macías-

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<https://arxiv.org/abs/1911.03101>

P69 – "A low-mass galaxy cluster as a test-case study for the NIKA2 SZ Large Program"
F. Kéruzoré, R. Adam, P. Ade, P. André, A. Andrianasolo, M. Arnaud, H. Aussel, I. Bartalucci, A. Beelen, A. Benoît, A. Bideaud, O. Bourrion, M. Calvo, A. Catalano, B. Comis, M. De Petris, F.-X. Désert, S. Doyle, E.F.C. Driessen, A. Gomez, J. Goupy, C. Kramer, B. Ladjelate, G. Lagache, S. Leclercq, J.-F. Lestrade, J.F. Macías-Pérez, P. Mauskopf, F. Mayet, A. Monfardini, L. Perotto, G. Pisano, E. Pointecouteau, N. Ponthieu, G.W. Pratt, V. Revéret, A. Ritacco, C. Romero, H. Roussel, F. Ruppim, K. Schuster, S. Shu, A. Sievers, C. Tucker, R. Zylka
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A68 – "Rotation in galaxy clusters from MUSIC simulations with the kinetic Sunyaev–Zel'dovich effect"
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P67 - "Performance of NbSi transition-edge sensors readout with a 128 MUX factor for the QUBIC experiment"
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P66 - "Thermal architecture for the QUBIC cryogenic receiver"
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Proceedings of the SPIE, Volume 10708, id. 107083V 14 pp. (2018)

P65 - "Simulations and performance of the QUBIC optical beam combiner"
O'Sullivan, C.; Burke, D.; Gayer, D.; Murphy, J. D.; Scully, S.; De Leo, M.; De Petris, M.; Mattei, A.; Zullo, A.; Mennella, A.; Zannoni, M.; Bleurvacq, N.; Chapron, C.; Hamilton, J.-Ch.; Piat, M.; Ade, P.; Amico, G.; Auguste, D.; Aumont, J.; Banfi, S.; Barbarán, G.; Battaglia, P.; Battistelli, E.; Baú, A.; Bélier, B.; Bennett, D.; Bergé, L.; Bernard, J.-Ph.; Bersanelli, M.; Bigot-Sazy, M.-A.; Bonaparte, J.; Bonis, J.; Bordier, G.; Bréelle, E.; Bunn, E.; Buzi, D.; Buzzelli, A.; Cavaliere, F.; Chaniel, P.; Charlassier, R.; Columbro, F.; Coppi, G.; Coppolecchia, A.; Couchot, F.; D'Agostino, R.; D'Alessandro, G.; de Bernardis, P.; De Gasperis, G.; Di Donato, A.; Dumoulin, L.; Etchegoyen, A.; Fasciszewski, A.; Franceschet, C.; Gamboa Lerena, M. M.; García, B.; Garrido, X.; Gaspard, M.; Gault, A.; Gervasi, M.; Giard, M.; Giraud-Héraud, Y.; Gómez Berisso, M.; González, M.; Gradziel, M.; Grandsire, L.; Guerrard, E.; Harari, D.; Haynes, V.; Henrot-Versillé, S.; Hoang, D. T.; Incardona, F.; Jules, E.; Kaplan, J.; Korotkov, A.; Kristukat, C.; Lamagna, L.; Loucatos, S.; Louis, T.; Lowitz, A.; Lukovic, V.; Luterstein, R.; Maffei, B.; Marnieros, S.; Masi, S.; May, A.; McCulloch, M.; Medina, M. C.; Mele, L.; Melhuish, S.; Montier, L.; Mundo, L. M.; Murphy, J. A.; Olivieri, E.; Paiella, A.; Pajot, F.; Passerini, A.; Pastoriza, H.; Pelosi, A.; Perbost, C.; Perdereau, O.; Pezzotta, F.; Piacentini, F.; Piccirillo, L.; Pisano, G.; Polenta, G.; Prêle, D.; Puddu, R.; Rambaud, D.; Ringegni, P.; Romero, G. E.; Salatino, M.; Schillaci, A.; Scóccola, C. G.; Spinelli, S.; Stolpovskiy, M.; Suarez, F.; Tartari, A.; Thermeau, J.-P.; Timbie, P.; Torchinsky, S. A.; Tristram, M.; Truongcanh, V.; Tucker, C.; Tucker, G.; Vanneste, S.; Viganò, D.; Vittorio, N.; Voisin, F.; Watson, B.; Wicek, F.

Proceedings of the SPIE, Volume 10708, id. 107082I 16 pp. (2018).

P64 - "Next generation sub-millimetre wave focal plane array coupling concepts: an ESA TRP project to develop multichroic focal plane pixels for future CMB polarisation experiments"

Trappe, N.; Bucher, M.; de Bernardis, P.; Delabrouille, J.; Deo, P.; De Petris, M.; Doherty, S.; Ghribi, A.; Gradziel, M.; Kuzmin, L.; Maffei, B.; Masi, S.; Murphy, J. A.; Noviello, F.; O'Sullivan, C.; Pagano, L.; Piacentini, F.; Piat, M.; Pisano, G.; Robinson, M.; Stompor, R.; Tartari, A.; Traini, A.; van der Vorst, M.; Verhoeve, P.; Zhu, C.

Proceedings of the SPIE, Volume 10708, id. 107082H 8 pp. (2018)

P63 - "QUBIC: the Q and U bolometric interferometer for cosmology"

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Proceedings of the SPIE, Volume 10708, id. 107082B 14 pp. (2018)

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P62 - "Concept design of the LiteBIRD satellite for CMB B-mode polarization"

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P61 - "QUBIC: Exploring the primordial Universe with the Q&U Bolometric Interferometer"

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Universe 2019, 5, 42 Proceedings of the 2018 ICNFP conference, Crete.

P60 - " QUBIC - The Q&U Bolometric Interferometer for Cosmology - A novel way to look at the polarized Cosmic Microwave Background"

Aniello Mennella, J. Aumont, S. Banfi, P. Battaglia, E.S. Battistelli, A. Baù, B. Bélier, D. Bennett, L. Bergé, J.Ph. Bernard, M. Bersanelli, M.A. Bigot-Sazy, N. Bleurvacq, G. Bordier, J. Brossard, E.F. Bunn, D. Buzi, A. Buzzelli, D. Cammilleri, F. Cavaliere, P. Chanial, C. Chapron, F. Columbro, G. Coppi, A. Coppolecchia, F. Couchot, R. D'Agostino, G. D'Alessandro, P. de Bernardis, G. De Gasperis, M. De Leo, M. De Petris, T. Decourcelle, F. Del Torto, L. Dumoulin, A. Etchegoyen, C. Franceschet, B. Garcia, A. Gault, D. Gayer, M. Gervasi, A. Ghribi, M. Giard, Y. Giraud-Héraud, M. Gradziel, L. Grandsire, J.Ch. Hamilton, D. Harari, V. Haynes, S. Henrot-Versillé, N. Holtzer, J. Kaplan, A. Korotkov, L. Lamagna, J. Lande, S. Loucatos, A. Lowitz, V. Lukovic, B. Maffei, S. Marnieros, J. Martino, S. Masi, A. May, M. McCulloch, M.C. Medina, L. Mele, S. Melhuish, L. Montier, A. Murphy, D. Néel, M.W. Ng, C. O'Sullivan, A. Paiella, F. Pajot, A. Passerini, A. Pelosi, C. Perbost, O. Perdereau, F. Piacentini, M. Piat, L. Piccirillo, G. Pisano, D. Prêle, R. Puddu, D. Rambaud, O. Rigaut, G.E. Romero, M. Salatino, A. Schillaci, S. Scully, M. Stolpovskiy, F. Suarez, A. Tartari, P. Timbie, S. Torchinsky, M. Tristram, G. Tucker, D. Viganò, N. Vittorio, F. Voisin, B. Watson, M. Zannoni and A. Zullo
Proceedings of Science, EPS Conference of High Energy Physics, July 3-12, 2017 Venice (Italy)

P59 -"NIKA2: a mm camera for cluster cosmology"

Macias-Perez, J. F.; Adam, R.; Ade, P.; Andre, P.; Arnaud, M.; Aussel, H.; Bartalucci, I.; Beelen, A.; Benoit, A.; Bideaud, A.; Bourrion, O.; Calvo, M.; Catalano, A.; Comis, B.; De Petris, M.; Désert, F.-X.; Doyle, S.; Driessen, E. F. C.; Goupy, J.; Kramer, C.; Lagache, G.; Leclercq, S.; Lestrade, J. F.; Mauskopf, P.; Mayet, F.; Monfardini, A.; Perotto, L.; Pointecouteau, E.; Pisano, G.; Ponthieu, N.; Pratt, G. W.; Revêret, V.; Ritacco, A.; Romero, C.; Roussel, H.; Ruppin, F.; Schuster, K.; Sievers, A.; Tucker, C.; Zylka, R.
Proceedings of Science, EPS Conference of High Energy Physics, July 3-12, 2017 Venice (Italy) arXiv:1711.07088

P58 – "High-resolution SZ imaging of clusters of galaxies with the NIKA2 camera at the IRAM 30-m telescope"

Mayet, F.; Adam, R.; Ade, P.; André, P.; Arnaud, M.; Aussel, H.; Bartalucci, I.; Beelen, A.; Benoît, A.; Bideaud, A.; Bourrion, O.; Calvo, M.; Catalano, A.; Comis, B.; De Petris, M.; Désert, F.-X.; Doyle, S.; Driessen, E. F. C.; Goupy, J.; Kramer, C.; Lagache, G.; Leclercq, S.; Lestrade, J. F.; Macías-Pérez, J. F.; Mauskopf, P.; Monfardini, A.; Pascale, E.; Perotto, L.; Pointecouteau, E.; Pisano, G.; Ponthieu, N.; Pratt, G. W.; Revêret, V.; Ritacco, A.; Romero, C.; Roussel, H.; Ruppin, F.; Schuster, K.; Sievers, A.; Triqueneaux, S.; Tucker, C.; Zylka, R.
Proceedings of the 29th Rencontres de Blois (Particle Physics and Cosmology), May 28th - June 2nd 2017, Blois (France)
arXiv:1709.01255

P57 -"Next generation sub-millimeter wave focal plane array coupling concepts: an ESA TRP project to develop multichroic focal plane pixels for future CMB polarization experiments"

N. Trappe ; M. Bucher ; P. De Bernardis ; J. Delabrouille ; P. Deo ; M. De Petris ; S. Doherty ; A. Ghribi ; M. Gradziel ; L. Kuzmin ; B. Maffei ; S. Mahashabde ; S. Masi ; J. A. Murphy ; F. Noviello ; C. O'Sullivan ; L. Pagano ; F. Piacentini ; M. Piat ; G. Pisano ; M. Robinson ; R. Stompor ; A. Tartari ; M. van der Vorst ; P. Verhoeve
Proc. SPIE 9914, Millimeter, Submillimeter, and Far-Infrared Detectors and Instrumentation for Astronomy VIII, 991412 (July 19, 2016); doi:10.1117/12.2231267

P56 -"Optical design and modelling of the QUBIC instrument, a next-generation quasi-optical bolometric interferometer for cosmology"

S. Scully ; D. Burke ; C. O'Sullivan ; D. Gayer ; M. Gradziel ; J. A. Murphy ; M. De Petris ; D. Buzi ; M. Zannoni ; A. Mennella ; M. Gervasi ; A. Tartari ; B. Maffei ; J. Aumont ; S. Banfi ; P. Battaglia ; E. S. Battistelli ; A. Baù ; B. Bélier ; D. Bennet ; L. Bergé ; J.-Ph. Bernard ; M. Bersanelli ; M.-A. Bigot-Sazy ; N. Bleurvacq ; G. Bordier ; J. Brossard ; E. F. Bunn ; D. Cammilleri ; F. Cavaliere ; P. Chanial ; C. Chapron ; A. Coppolecchia ; F. Couchot ; G. D'Alessandro ; P. De Bernardis ; T. Decourcelle ; F. Del Torto ; L. Dumoulin ; C. Franceschet ; A. Gault ; A. Ghribi ; M. Giard ; Y. Giraud-Héraud ; L. Grandsire ; J. C. Hamilton ; V. Haynes ; S. Henrot-Versillé ; N. Holtzer ; J. Kaplan ; A. Korotkov ; J. Lande ; A. Lowitz ; S. Marnieros ; J. Martino ; S. Masi ; Mark McCulloch ; Simon Melhuish ; L. Montier ; D. Néel ; M. W. Ng ; F. Pajot ; A. Passerini ; C. Perbost ; O. Perdereau ; F. Piacentini ; M. Piat ; L. Piccirillo ; G. Pisano ; D. Prêle ; R. Puddu ; D. Rambaud ; O. Rigaut ; M. Salatino ; A. Schillaci ; M. Stolpovskiy ; P. Timbie ; M. Tristram ; G. Tucker ; D. Viganò ; F. Voisin ; B. Watson
Proc. SPIE 9914, Millimeter, Submillimeter, and Far-Infrared Detectors and Instrumentation for Astronomy VIII, 99142S (July 19, 2016); doi:10.1117/12.2231717

P55 -" Optical simulations of the QUBIC beam combiner"

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Proc. 36th ESA Antenna Workshop on Antennas and RF Systems for Space Science, ESA/ESTEC, Noordwijk, The Netherlands, 6-9 October 2015

P54 - "Development of Kinetic Inductance Detectors for KIS"

A. Cruciani; E.S. Battistelli; D. Buzi; A. Coppolecchia; A. d'Addabbo; P. De Bernardis; M. De Petris; R. Gualtieri; L. Lamagna; S. Masi; A. Paiella; F. Piacentini; A. Schillaci; P. Bolli; G. Castellano; N. D'Amico; T. Pisanu; A. Possenti
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P53 – "Mechanical Anti-Reflection Structures for optical devices in the mm band"

D. Buzi, M. De Petris, L. Lamagna, and S. De Gregori
Proceedings of the International School of Physics "Enrico Fermi", New Horizons for Observational Cosmology Course CLIX, held at Verenna on Lake Como, Villa Monastero, June 30- July 6, 2013.

P52 – “OLIMPO: A 4-bands imaging spectro-photometer for balloon-borne observations of the Sunyaev-Zeldovich Effect”
A. Coppolecchia, P. Ade, G. Amico, E.S. Battistelli, P. de Bernardis, A. Boscaleri, P. Camus, S. Colafrancesco, A. Cruciani, A. D'Addabbo, G. D'Alessandro, S. De Gregori, M. De Petris, G. Di Stefano, M. Gervasi, R. Gualtieri, K. Irwin, L. Lamagna, P. Marchegiani, S. Masi, P. Mauskopf, D. Morozov, L. Nati, F. Nati, C. Paiva Novaes, L. Pagano, F. Piacentini, R. Puddu, C. Reintsema, D. Romano, G. Romeo, M. Salatino, A. Schillaci, C. Tucker, R. Tucker, D. Yvon, V. Vdovin, A. Wuensche, M. Zannoni
Proceedings of the International School of Physics "Enrico Fermi", New Horizons for Observational Cosmology Course CLIX, held at Verenna on Lake Como, Villa Monastero, June 30- July 6, 2013.

P51 -“ SWIPE: a bolometric polarimeter for the Large-Scale Polarization Explorer”
P. de Bernardis, S. Aiola, G. Amico, E. Battistelli, A. Coppolecchia, A. Cruciani, A. D'Addabbo, G. D'Alessandro, S. De Gregori, M. De Petris, D. Goldie, R. Gualtieri, V. Haynes, L. Lamagna, B. Maffei, S. Masi, F. Nati, M. Wah Ng, L. Pagano, F. Piacentini, L. Piccirillo, G. Pisano, G. Romeo, M. Salatino, A. Schillaci, E. Tommasi, S. Withington
Millimeter, Submillimeter, and Far-Infrared Detectors and Instrumentation for Astronomy VI. Amsterdam 1-6 July 2012, Proceedings of the SPIE, Volume 8452, id. 84523F-84523F-11 (2012).
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