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[orcid.org/0000-0001-9104-3214](https://orcid.org/0000-0001-9104-3214)

Orcid ID 0000-0001-9104-3214  
Scopus ID 22834185200  
Researcher ID F-9458-2012

## Personal information

Surname / First name	<b>Doro, Michele</b>
Address	via Duca D'Aosta 56, 30171, Venezia (VE), Italy
Telephones	+39.328.7123.188
Email	<a href="mailto:doro.michele@pd.infn.it">doro.michele@pd.infn.it</a>
Nationality	Italian
Date of birth	May 6th, 1978
Gender	Male

## Scientific Career

2015/12 (Current)	<b>Assistant Professor</b> Tenure-track assistant professor position at University of Padova (contract type RTDB Art.24.3.B of Law 240 30 Dec 2010)
2015/03–2015/08	<b>Postdoctoral fellowship.</b> Post-doc at Max Planck Institute fuer Physik, Munich (Germany). Duration: 6 months.
2014/12–2015/02	<b>Postdoctoral fellowship.</b> 3-months post-doc contract at Institut de Fisica d'Altes Energies (IFAE, Barcelona, Spain)
2013/03–2015/02	<b>Postdoctoral fellowship.</b> Two-year "Assegno di Ricerca Senior" (Senior Fellowship) at Università degli Studi di Padova with the title " <i>Shedding light on the dark with precision gamma ray astronomy. Hardware and Science searches to prepare the ground for the new generation of Cherenkov telescopes to build</i> ".
2010/06–2013/02	<b>Postdoctoral fellowship.</b> 33 months contract with the Spanish Consolider-Ingenio 2010 programs CPAN (Centro Nacional de Física de Partículas, Astropartículas y Nuclear) CPAN09-PD13 at Universitat Autònoma of Barcelona (UAB, Barcelona, Spain), Grup de Física de les Radiacions. Supervisor prof. Lluís Font Guiteras through the Institut de Fisica d'Altes Energies (IFAE, Barcelona, Spain).
2010/01–2015/06	<b>Reserch contract</b> "Ricerca indiretta di Materia Oscura e sviluppo di tecnologie per superfici riflettenti per gli esperimenti MAGIC e CTA" " <i>(Indirect dark matter searches and technological development of reflective surface for MAGIC and CTA experiments)</i> " at Department of Physics, University of Padova, Italy. Duration 6 months.
2007/01–2009/12	<b>Reserch contract</b> "Commissioning del secondo telescopio MAGIC e analisi dei primi dati scientifici con il sistema stereoscopico" " <i>(Commissioning of the second MAGIC telescope and first scientific data analysis with the stereoscopic system)</i> " at University of Padova, Department of Physics. Duration 2 year.
2005/01–2009/04	<b>Phd in Physics</b> at University of Padova with the thesis <i>Novel reflective elements and dark matter searches for MAGIC and future IACTs.</i> . Thesis discussed April, 8th, 2009 with tribunal note: "excellent".
1997/10–2004/07	<b>Master degree</b> in Physics at University of Padova with the thesis " <i>Commissioning and characterization of the calibration system of the MAGIC telescope</i> ". The thesis work was performed at Institut de Física d'Altes Energies, Barcelona (Spain) and discussed in Padova (Italy).

<b>Titles</b>	
<b>Participation in Experiments</b>	
2016	Proposer of an MeV-GeV satellite borne gamma-ray instrument dubbed <b>e-Astrogam</b> : arXiv:1611.02232
2016	Proposer of an Extended Atmospheric Shower Front detector dubbed <b>LATTES</b> : arXiv:1607.03051
2006–today	Full member of the <b>Cherenkov Telescope Array (CTA)</b> consortium.
2004–today	Full member of the <b>Major Atmospheric Gamma-ray Imaging Cherenkov (MAGIC)</b> telescope collaboration.
<b>Participation in Scientific Societies</b>	
2016-today	Member of Italian Physics Society (SIF)
<b>Manager of funds</b>	
2016-today	<b>Principal Investigator</b> of the MAGIC experiment for the INFN section of Padova.
2013-2015	<b>Funds for research</b> Responsible for 25,000 euros grant for research associated with the Senior Postdoc at the University of Padova, for the construction of the optical read-out system of a Raman LIDAR and associated expenses.
2011	<b>Bilateral cooperation Italy-Spain</b> PI of project funded with 2,000 euros for Spanish-Italian cooperation on mirror coordination activities for CTA.
2010	<b>Start-up research</b> Winner of a grant of 2,000 euros (gross) from University of Padova to start a Research Activity in Foreign Institutions.
<b>Prizes</b>	
2009	<b>MAGIC prize</b> Awarded by the MAGIC Collaboration for “ <i>Fundamental contribution for the construction of MAGIC II telescope.</i> ”
<b>Teaching qualifications</b>	
2014	<b>Qualification as Assistant professor “02/A1 II fascia” (Italy)</b> Qualification as Assistant Professor valid from 2014.01.23 to 2020.01.23
2011	<b>Qualification as Assistant Professor (Catalunya)</b> Certificate of teacher training as “lector” (lecturer) for the Generalitat de Catalunya valid for Spanish Universities.
<b>Managing roles</b>	
2016-today	Member of the <b>Executive Board and the Collaboration Board</b> in the role of <b>Publication Manager</b> of the MAGIC experiment
2015-today	Member of the CTA Large Size Telescope (LST) <b>Executive Board</b> , in the role of <b>responsible for the Interface Between LST and the COM</b> (Common Components and Test Facilities) working group of CTA.
2014-2016	Member of the <b>MAGIC Executive Board and the MAGIC Collaboration Board</b> in the role of <b>Coordinator of the MAGIC Operation, Data Quality Control and Safety</b> , i.e. responsible for the safety of shifters and instrumentation at the site, coordinator of shift activities, responsible for the correct datataking and coordinator of the data quality working group.
2014–2015	Convener of the <b>Atmospheric Calibration Work Package</b> of the CTA consortium Central Calibration Facility work-package.
2011–2012	Local Quality Manager (LQM) for the Mirror Working Package for the CTA collaboration.
2011–2014	Convener of the <b>Dark Matter and Fundamental Physics Working Group</b> of the CTA consortium Physic work-package.
2010–2014	Convener of the MAGIC working group on <b>Astroparticle and Fundamental Physics</b>

<p>2010–2013</p> <p>2008–2012</p> <p>2006–2009</p>	<p>Co-responsible for the construction of a Raman LIDAR instrument in Barcelona for atmospheric calibration together with M. Gaug (Barcelona, Spain).</p> <p>Co-coordinator of <b>CTA Mirror Working Group</b></p> <p>Responsible for the construction and installation of the mirrors of the MAGIC II telescope.</p>
<p><b>Detailed research activities</b></p> <p>Introduction. Gamma-ray Astrophysics with MAGIC and CTA telescopes</p> <p>2004</p>	<p>Gamma-ray astrophysics at the TeV from ground-based Imaging Atmospheric Cherenkov telescope (IACTs), takes profit of the Cherenkov light emitted during electromagnetic atmospheric showers initiated by primary gamma-rays in the top atmosphere (and cosmic rays in general). From the very first detection of the Crab Nebula by the Whipple experiment in the 1989, the field has now reached a mature stage, with several installations around the world (mainly HESS, MAGIC and VERITAS), and more than a hundred TeV sources established. IACTs are instruments for gamma-ray astronomy at galactic and extragalactic objects like pulsar, binary systems, micro-quasars and active galactic nuclei. Nevertheless, gamma-ray studies can provide signatures of other interesting topics, namely the cosmic horizon, dark matter signatures, Lorentz Invariance violations, cosmic-ray physics and so on.</p> <p>The MAGIC experiment is currently composed by a couple of telescopes of big size, that allowed to investigate the lowest energies below 100 GeV, among the other experiments of its kind. It is well-known for the observation of the farthest blazars ever observed at TeV and for the detection of the Crab pulsar spectrum over three decades in energy where a spectral cutoff was expected by other experiments<sup>1</sup> as well the most constraining results on TeV cosmic ray emission from galaxy clusters and from dark matter annihilations signature at dwarf spheroidal galaxies.</p> <p>CTA is a project for a new generation of Cherenkov telescope which advanced performance in terms of energy coverage, sensitivity, and instrument robustness. Unlike current experiment, it will be run as an observatory, thus providing data to the worldwide scientific community. It is in the Prototyping Phase now, and expected to be built in few years from now<sup>2</sup></p> <p><b>Calibration System of the MAGIC I telescope.</b> At Institut de Fisica d'Altes Energies (IFAE, Barcelona, Spain), I followed the characterization of the calibration system of the MAGIC telescope in its commissioning phase, flanked to Markus Gaug. Ultra-fast avalanche transistors were used to switch LEDs at different wavelengths to simulate the fast (2 ns) pulses of Cherenkov light from atmospheric showers. The characterization of the response of the calibration system and the analysis of the first calibration runs were performed.</p> <p>The main results of the study was, besides commissioning, that the best calibration could be obtained with a combination of LEDs that better resembles the spectrum of Cherenkov light after atmospheric absorption. The diploma thesis was performed under the supervision of Manel Martinez<sup>3</sup></p>

<sup>1</sup> M. Doro, "Reaching the lowest energy threshold of ground-based Cherenkov telescopes with MAGIC-stereo: a goal achieved", Procs. of the 3rd RICAP Conference, submitted to NIM A

<sup>2</sup> M. Doro, "CTA—A Project for a New Generation of Cherenkov Telescopes", NIM A 630 2011.

<sup>3</sup>M. Doro "The Commissioning and Characterization of the Calibration System of the MAGIC Telescope" Bachelor Thesis

2006–2009

**Mirrors and optics for the MAGIC-II telescope.** IACTs demand robust mirrors with environmental ruggedness because of its constant exposure. Their large reflectors are usually tessellated with numerous mirror facets. For the MAGIC collaboration, I coordinated the design, production, test-phase, optical characterization and installation of mirrors on the second MAGIC telescope (MAGIC-II), which started operation in 2009. MAGIC II INFN mirrors are 1 m<sup>2</sup> square, all-aluminum sandwich, composed of two aluminum plates interspaced by a honeycomb layer which provides rigidity, good heat transmission and light-weight<sup>4</sup>. The optical quality of these facets is very high: mean reflectivity larger than 85% in the Cherenkov wavelengths (mainly 300-600 nm), weight reduced to 18 kg/m<sup>2</sup>, very reduced reflectivity loss (< 1%/year) and good mechanical stability. I followed the optics qualification of the MAGIC II reflector thorough ray-tracing simulations and headed the installation of MAGIC II mirrors in 2007-2008

2006–today

**Dark Matter searches with MAGIC.** I was the principal investigator (PI) for three campaigns of observation of candidate sources of dark matter (DM) with the MAGIC telescope. The PI is responsible for defining the scientific case, following observation and data analysis and curing the edition and publication of the data.

In 2006, I proposed the observation of steady unidentified EGRET sources as putative intermediate mass black holes (IMBHs), in the scenario proposed by Bertone et al. (Phys.Rev.D72:103517,2005). A source was observed in 2006. Unfortunately, the telescope was undergoing major technical problems that prevented us from publication of these data. Only upper limits were derived. A description of the analysis can be found in the Diploma Thesis of a F. Zandanel which I followed as co-advisor<sup>5</sup>.

In 2008 I was the PI of the observation of Willman 1 with MAGIC. Willman 1 is one of the ultra-faint satellite galaxies with higher DM concentration (Strigari et al. arXiv:0709.1510 [astro-ph]). It was observed in 2008 for 15 hours with MAGIC. Upper limits were derived for few benchmarks neutralino models showing that prospects of detection are positive only under the assumption of relevant boosts in the models. The results were published<sup>6</sup>.

Another ultra-faint satellite galaxy was observed by MAGIC between 2009 and 2010, for a total of 42 h. The source — Segue 1 — is considered among the best candidates for observation of dark matter. Despite the null detection, upper limits were produced to constrain the parameter space of some dark matter models, which were followed by the recent publication of the paper<sup>7</sup>. From 2010 to 2014, I am **convener of the Astroparticle and Fundamental Physics working group**. The physics covers the topics of dark matter searches, searches with cosmic ray particles, searches of putative Lorenz Invariance variations and other exotic physics, like axion-like particle physics. The task of the convener is that of coordinating the proposals of observation, and follow the datataking and publication phases.

2008-today

**Activities within the mirror working group of CTA.** CTA (Cherenkov Telescope Array) is a developing project for a new generation of Cherenkov telescopes, extending the capabilities of the IACT technique as a result of the effort of world-wide gamma-ray community. The CTA mirror working group is responsible for *a)* definition of technologies for mirror facets, *b)* definition of technology for mirror surface protection, *c)* creation of facilities for mirror massive test and performance characterization<sup>8</sup>. I was co-coordinator of the activities within this group together with Andreas Foerster and Mose' Mariotti.

In Padova, we are currently developing new technology mirror the Large Size Telescope of CTA, with huge size (1.5 m diameter flat-to-flat hexagons) and composite design with prealuminated glass layers interspaced by steel cilindres.

<sup>4</sup> M. Doro et al.. "The reflective surface of the MAGIC telescope", NIM A, 595-1, 200-203.

<sup>5</sup> F. Zandanel, 'Dark Matter Search with the MAGIC Telescope: Analysis of the Unidentified EGRET Source 3EG J1835+5918', Univ. Padova 2007.

<sup>6</sup> M. Doro for MAGIC Coll., "Upper Limits on the VHE Gamma-Ray Emission from the Willman 1 Satellite Galaxy with the Magic Telescope", *Astroph. J.*, 697-2, 1299-1304 (2009)

<sup>7</sup> MAGIC Coll., "Searches for Dark Matter Annihilation Signature in the Segue 1 satellite galaxy with the MAGIC-I telescope", JCAP 016 (035) 2011

<sup>8</sup> M. Doro, "Mirror Facet Technologies for the Telescopes of the CTA Observatory", 31st ICRC 2009, Lodz, Poland,

2008–today	<p><b>Dark matter searches with CTA</b> In 2008, in the context of MAGIC II and CTA, the following aspects were interesting to study: <i>a)</i> which technical aspects may influence the detection of DM for IACTs, <i>b)</i> how much the increase in sensitivity and decrease of energy threshold affects the prospects of detection, <i>c)</i> that the internal bremsstrahlung mechanism (Bringmann et al, JHEP 0801:049,2008) introduces features in the gamma–ray spectrum that affect the detection probabilities for different models of neutralino; <i>d)</i> which are most probable regions of the parameter space of the neutralino for observation or constraints<sup>9</sup> I was also convening the Dark Matter and Fundamental Physics working group of CTA, together with Christian Farnier. The purpose of the group is currently determine which experimental characteristics are best suited for fundamental physics observation, in terms of minimum requirements and goals, begin the CTA array still in its design phase. The outcome of these studies is published in the Astroparticle Physics journal<sup>10</sup></p>
2010–today	<p><b>Atmospheric Calibration for IACTs.</b> For CTA, it is of fundamental importance to improve the energy calibration and in general reduce the systematics (which currently state around 30%). This effort is pursued by the Atmospheric Monitoring and Calibration (ATAC) working group, of which I am member. For this purpose, at Barcelona, a novel–design Raman LIDAR (LIght Detection and Ranging) is currently under construction by refurbishing a dismissed CLUE telescope. The hardware development is done in collaboration with the Institut de Fisica des Altes Energies (IFAE) also in Barcelona. The use of a LIDAR together with a deeper monitoring of the atmosphere will allow to increase the performance of CTA and its duty cycle. I am currently the convener of the Atmospheric Calibration working package in CTA whose role is to set up the activities towards a full centralized calibration of CTA with the information from several devices to measure the atmospheric transparency.</p>
<b>Tutoring / Theses directorship</b>	<p>2016 <b>Tribunal member</b> for the PhD thesis <i>On the connection between radio and gamma-ray emission in Active Galactic Nuclei</i>, of P. L. Cerchiara, University of Udine, 2016</p>
	<p>2015 <b>Advisor for Degree Thesis</b> of G. Vanzo <i>Dark Matter searches at Galactic Center with MAGIC data</i>. University of Padova, 2015.  <b>Advisor for the Degree Thesis</b> of C. Maggio <i>Constrainting dark matter lifetime with the Perseus galaxy cluster</i> on the observation of the Perseus Galaxy Cluster with MAGIC and the interpretation in terms of decaying dark matter, University of Padova, 2015</p>
	<p>2014 <b>Advisor for Bachelor Thesis</b> of E. Bertolin <i>Study of the response of oscillometers on the MAGIC telescopes structure</i> on the commissioning of oscillometers at the MAGIC telescopes and data interpretation. The work is in collaboration with the Max-Planck Institute in Munich (Germany).</p>
	<p>2013 <b>Tribunal member</b> for the PhD thesis <i>Optimized Dark Matter Searches in Deep Observations of Segue 1 with MAGIC</i>, of J. Aleksic, Universitat Autònoma Barcelona, 2014  <b>Advisor for the Diploma Thesis</b> of Stefano Protti <i>“Calcolo del fattore astrofisico con codice Clumpy per la ricerca di materia oscura”</i>, Università di Padova, 2013. The thesis dealt with the calculation of astrophysical factor for all known dwarf satellite galaxies with the use of the public Clumpy code.</p>
	<p>2012 <b>Tribunal member</b> for the PhD thesis <i>High Energy Phenomena in Clusters of Galaxies</i>, of F. Zandanel. Instituto Astrofísica Granada, 2012.</p>
	<p>2011 <b>Advisor for the Master Thesis</b> of Miguel Eizmendi <i>“IFAE-UAB Raman LIDAR Link Budget and Components”</i> Universitat Politècnica de Barcelona, 2011. The thesis dealt with the simulation of the IFAE-UAB Raman lidar through the Link-Budget problem and simulation of the optical layout of the photon detector system of the lidar through the Zemax simulation program.</p>

<sup>9</sup> T.Bringmann, M.Doro, M.Fornasa, “Dark matter signals from Draco and Willman 1: prospects for MAGIC II and CTA”, JCAP 2009:01 (016)

<sup>10</sup>M. Doro and others, “Dark matter and fundamental physics searches with the Cherenkov Telescope Array”, Astropart.Phys. 43 (2013) 189-214

**Advisor for the Master Thesis** of Ramon Nogueira "*La matèria fosca*" (The dark matter - thesis in Catalan), Universitat Autònoma de Barcelona, 2011. The work dealt with simulation of simple dark matter models with the DarkSusy program and discussion of the results.

**Advisor of the Master Thesis** of Daniel Garrido "*The effect of molecular and aerosol atmospheric profiles on the performance of the MAGIC telescopes*" Universitat Autònoma Barcelona, 2011. The thesis deals with the study of the effect of different aerosol profiles in the data reconstruction and analysis of MAGIC-stereo.

**Advisor of the Phd Thesis work by S. Lombardi** "*Development of analysis tools for the MAGIC Telescopes and observation of the Segue 1 Satellite Galaxy with the MAGIC-I Telescope.*", University of Padova, 2011. **Lombardi is now responsible for the reconstruction software design of the array of Small Size Telescopes for CTA at INAF.**

2010 **Co-advisor of the Diploma Thesis** work of Simona Paiano "*Ricerche di Materia Oscura con il telescopio MAGIC*", Università di Padova, 2010. The thesis dealt with the comparison of public codes for RGE regression.

2007 **Advisor of the Diploma Thesis work of Fabio Zandanel** "*Dark Matter Search with the MAGIC Telescope: Analysis of the Unidentified EGRET Source 3EG J1835+5918*" University of Padova, June 2007. Zandanel is now postdoc at GRAPPA institute in Amsterdam winner of a prestigious Netherlands grant.

2006 **Advisor of the Diploma Thesis** work of Saverio Lombardi "*Studio sistematico del fondo e del segnale nei dati dell'esperimento MAGIC con applicazione all'analisi della sorgente CRAB*" (Systematic Study of signal and background data for the MAGIC telescope and its application to the Crab Nebula) University of Padova, July 2006

## Teaching

A collection of some of the lectures can be found at [stoianov.academia.edu/MicheleDoro](http://stoianov.academia.edu/MicheleDoro)

2015/17 **Lecturer.** Teacher of the course "Physics" for the Faculty of Agricultural Technology and Science. University of Padova. 64h.

2015 **Assistant Lecturer.** Contract by Department of Physics G. Galilei, Padova, for 20 h in the graduate course of Physics held by M. Mariotti. as Support Teacher

2014 **Assistant Lecturer** Contract by Department of Physics G. Galilei, Padova, for 20 h in the graduate course of Physics held by M. Mariotti. as Support Teacher

2013 **Assistant Lecturer** Contract by Department of Physics G. Galilei, Padova, for 20 h in the graduate course of Physics held by M. Mariotti. as Support Teacher

**Assistant Lecturer** for 6 h in the Ph.D. course on Astrophysics held by A. Masiero. Lectures on cosmic rays and fundamental physics with gamma-rays. Held on a voluntary basis

**Assistant Lecturer** for 10 h in the Master thesis course on Astrophysics held by A. Masiero. Lectures on cosmic rays and fundamental physics with gamma-rays. Held on a voluntary basis.

2006-07 **Assistant lecturer** for the 3 courses laboratories. Contract with Department of Physics G. Galilei, Padova. Frontal lectures with students, setup of simple laboratory experiments and corrections of works: *A*) (2006) (12 hours) Laboratories of Mechanics *B*) (2007) (24 hours) Laboratories of Electronics

## Conferences and Workshops Organization

2017 • Scientific Secretary for the session on Astroparticle Physics at the "**European Physics Society Conference on High Energy Physics** Venice, Italy 5-12 July 2017 <http://eps-hep2017.eu>

2015 • Session convener of the session on indirect Dark Matter searches at the "**TeV Particle Astrophysics (TeVPA)**" conference, 26-30 October 2015 Kashiwa (Japan) [www.icrr.u-tokyo.ac.jp/indico/conferenceDisplay.py?confId=23](http://www.icrr.u-tokyo.ac.jp/indico/conferenceDisplay.py?confId=23)

- Session convener of the **XIV International Conference on Topics in Astroparticle and Underground Physics (TAUP)**, 7-11 September 2015 — Torino — Italy [taup2015.to.infn.it](http://taup2015.to.infn.it)
- Session convener at the Summer School "Towards the Cherenkov Telescope Array and Future Gamma-ray Experiments" for the session Basics of VHE data reconstruction 27.07.2015 - 31.07.2015, Sesto (Italia)
- 2014 • Organizer and LOC of the CTA Large Size Telescope (LST) meeting, Padova, 7-10 July 2014. [www.cta-observatory.org/indico/conferenceDisplay.py?confId=629](http://www.cta-observatory.org/indico/conferenceDisplay.py?confId=629)
- Session convener of the **10th edition of the Science with the new generation of gamma-ray experiments**, 10th international workshop, Lisbon, 4-6 June 2014. <http://www.lip.pt/events/2014/scineghe/>
- Session convener of the session on indirect Dark Matter searches at the “**Astroparticle Physics**” **conference that brings together the Identification of Dark Matter (IDM) and TeV Particle Astrophysics (TeVPA)**. Amsterdam, June 23 to 28, 2014
- Organizer and LOC of the 4th MAGIC Software School in Padova (Italy) 24-28 February 2014. Funded with 2,000 euros. <https://agenda.infn.it/conferenceDisplay.py?confId=6882>
- Organizer and LOC of the **2nd AtmoHEAD conference (Atmospheric Monitoring for High-Energy Astroparticle Detectors)**, 19-21 May 2014, Padova (Italy). Funded with 7,500 euros. <https://agenda.infn.it/conferenceDisplay.py?confId=6911>
- 2011 • Session convener of the ASPERA Technological Forum "Mirrors and Lasers in Astroparticle Physics Infrastructures", 20-21 October, 2011 EGO/Virgo Site (Cascina), Pisa, Italy. <http://www.et-gw.eu/events/asperatf>
- 2010 • Ideation, organization and scientific committee of the workshop "**Multi-cube: A multi-wavelength, multi-messenger, multi-experiment approach to dark matter searches**", held in Padova, Italy, March 1-5, 2010. [www.pd.infn.it/~mdoro/Multi-cube](http://www.pd.infn.it/~mdoro/Multi-cube)

## Reviewer activities

- 2016-today Publication Manager of MAGIC
- 2014-2016 Member of the MAGIC Publication Board
- 2015 Reviewer for **Journal of Physics G: Nuclear and Particle Physics**
- 2014 Reviewer for **Astronomy and Astrophysics** Journal (A&A)
- Reviewer for **Monthly Notices of the Royal Astronomical Society** (MNRAS)
- Reviewer for the **Slovenian Research Agency**
- 2011 Reviewer for the **Smart Materials and Structures** journal

## Outreach

- Some outreach slides are distributed in [unipd.academia.edu/MicheleDoro](http://unipd.academia.edu/MicheleDoro)
- 2016 • Main speaker of the Padova workshop for high-school students for the International Cosmic Day with lectures on cosmic-rays and measurements of cosmic ray rates with real instruments. Interviewed by National Television program TG Leonardo.
  - 2016 • Host of an high-school student within the ministerial program “Exchange School-Work” for the realization of a webpage.
  - 2016 • Colloquium "A Brief History of the Universe" for the Agorá cultural association, Castलगomberto (Italy)
  - 2014 • Colloquium "The Cosmic Accelerators" for the 2014 International MasterClass for High-Schools, Padova, Italy.
  - 2011 • Seminar about Dark Matter searches with MAGIC at Liceo Stefanini, Venezia, Italy.
  - 2010 • Interviewed by Radio Bue, an internet-based television and radio station.
  - 2009 • Interviewed by Formica Blu, an internet-based radio transmission.
  - Organizer of a section about the MAGIC telescope in the international exhibition “Il futuro di Galileo (The future of Galileo)” held in Padova (Italy) Feb-Jun 2009, (<http://www.ilfuturodigalileo.it/>) and guide to the exhibition itself.

- Scientific guide for the experimental exhibition “Sperimentando (Experimenting)” in Padova, Italy.

## Publications on refereed journals as main author

All publications are reported at the end of the CV and can be accessed with the QR code in the front page.

- 2014 • **M. Doro** *A Decade of Dark Matter Searches with Ground Based Cherenkov Telescopes*. Nucl.Instrum.Meth. A742 (2014) 99-106. DOI: [10.1016/j.nima.2013.12.010](https://doi.org/10.1016/j.nima.2013.12.010), EID: 2-s2.0-84898004060
- 2013 • **M. Doro** et al. for the CTA consortium, “*Dark Matter and Fundamental Physics with the Cherenkov Telescope Array*”, Astropart.Phys. 43 (2013) 189-214. DOI: [10.1016/j.astropartphys.2012.08.002](https://doi.org/10.1016/j.astropartphys.2012.08.002), EID: 2-s2.0-84886088686
- 2012 • **M. Doro** for the MAGIC collaboration, “*Reaching the lowest energy threshold of ground-based Cherenkov telescopes with MAGIC–stereo: a goal achieved*”, Procs. of the 3rd RICAP conference 2011, Nuclear Instruments and Methods in Physics Research Section A. Nucl.Instrum.Meth. A692 (2012) 201-207. DOI: [10.1016/j.nima.2011.12.115](https://doi.org/10.1016/j.nima.2011.12.115), EID: 2-s2.0-84866633665
- 2011 • **M. Doro (corresponding author)** J. Aleksić [MAGIC Coll.], “*Searches for Dark Matter Annihilation Signature in the Segue 1 satellite galaxy with the MAGIC-I telescope*”, Journal of Cosmology and Astroparticle Physics 06 (2011) 035. DOI: [10.1088/1475-7516/2011/06/035](https://doi.org/10.1088/1475-7516/2011/06/035), EID: 2-s2.0-79960038355
- **M. Doro** for the CTA consortium, “*CTA - A Project for a New Generation of Cherenkov Telescopes*”, Nuclear Inst. and Methods in Physics Research, A 630 (2011), pp. 285-290. DOI: [10.1016/j.nima.2010.06.085](https://doi.org/10.1016/j.nima.2010.06.085), EID: 2-s2.0-79951725648
- 2009 • **M. Doro (corresponding author)** E. Aliu et al. [MAGIC Coll.], “*Upper Limits on the VHE Gamma-Ray Emission from the Willman 1 Satellite Galaxy with the Magic Telescope*”, The Astrophysical Journal, Volume 697, Issue 2, pp. 1299-1304 (2009). DOI: [10.1088/0004-637X/697/2/1299](https://doi.org/10.1088/0004-637X/697/2/1299), EID: 2-s2.0-66649103391
- T. Bringmann, **M. Doro** and M. Fornasa, “*Dark matter signals from Draco and Willman 1: prospects for MAGIC II and CTA*”, Journal of Cosmology and Astroparticle Physics, Issue 01, pp. 016 (2009). DOI: [10.1088/1475-7516/2009/01/016](https://doi.org/10.1088/1475-7516/2009/01/016), EID: 2-s2.0-62649096169
- 2008 • **M. Doro** et al. “*The reflective surface of the MAGIC telescope*”, Nuclear Instruments and Methods in Physics Research Section A, Volume 595, Issue 1, p. 200-203. DOI: [10.1016/j.nima.2008.07.073](https://doi.org/10.1016/j.nima.2008.07.073), EID: 2-s2.0-51649103965

## Publications statistics

2016.07.02

Statistics obtained from: <http://inspirehep.net/author/profile/Michele.Doro.1>

	Citeable papers	Published only
Number of papers analyzed:	165	126
Number of citations:	7527	7351
Citations per paper (average):	45.6	58.3
h-index	49	49

## Talks at International Venues

- 2016 • **[Invited]** Lecturer at Astromundus gathering on “Introduction to gamma-ray astronomy techniques and science”. Asiago, 2016.07.01
- **[Invited]** “Exotic needles in the Cherenkov telescope Haystack” RICAP conference, Rome, 2016.06



- 2015
  - **[Invited]** Lecturer at Summer School "Towards the Cherenkov Telescope Array and Future Gamma-ray Experiments" with two lectures on "Basics of VHE data reconstruction" and "Dark matter and fundamental physics with the Cherenkov Telescope Array". 27.07.2015 - 31.07.2015, Sesto (Italia)
  - **[Invited]** "Gamma-ray astronomy with Cherenkov telescopes with a focus on dark matter searches", PhD School of Nova Goriza University (Slovenia), 2015.04.23
- 2014
  - **[Invited]** "Searches for Dark Matter with TeV gamma rays", Strategy Workshop on Astroparticle in Switserzland (SWAPS), June 11-13, 2014.
  - **[Invited]** "Indirect searches for Dark Matter with future ground-based gamma-ray experiments", Latest Results in Dark Matter Searches workshop, Stockholm (Sweden) May 10-12, 2014
  - **[Invited]** "Indirect Search for Dark Matter with Cherenkov Telescopes", IFAE Conference, L'aquila (Italy) 2014
- 2013
  - **[Invited]** "Dark Matter searches with Cherenkov Telescopes", RICAP Conference, Rome (Italy) 2013
  - [Contributed Talk] "Toward a new generation of Cherenkov telescopes with CTA", INFN IFAE Conference, Ferrara (Italy) 2013
- 2012
  - **[Invited]** "Dark Matter searches with MAGIC", SnowDOG workshop, Snowbird, Utah (USA)
  - **[Invited]** "Dark Matter and Fundamental Physics searches with CTA", SnowDOG workshop, Snowbird, Utah (USA)
  - [Contributed] MAGIC highlight talk: "From MAGIC to MAGIC-stereo, filling the gap with high energy satellite experiments", 3rd Roma International Conference on Astro-Particle Physics - RICAP 11 - May 25-27,2011.
- 2010
  - **[Invited]** "An exotic tour with CTA", First LINK Workshop: Probing physics beyond the Standard Model with CTA, Oxford, 11-12/11/2010.
- 2009
  - [Contributed talk]"CTA - A project for a new generation of Cherenkov telescopes", 2nd Roma International Conference on Astro-Particle Physics - RICAP 09 - May 13-15,2009.
  - [Poster] "Mirror Facet Technologies for the Telescopes of the CTA Observatory", 31st International Cosmic Ray Conference (ICRC 2009), Lodz, Poland, July 2009.
- 2007
  - [Contributed talk] "The Reflective Surface of the MAGIC Telescope" 6th International Workshop on Ring Imaging Cherenkov Counters (RICH2007) Stazione Marittina, Trieste, Italy, 15-20 October 2007
  - [Contributed talk] "Technical solutions for the MAGIC Telescope", 10th ICATPP Conference on Astroparticle, Particle, Space Physics, Detectors and Medical Physics Applications, Villa Olmo, Como, 8-12 October 2007.
  - [Contributed talk] "Indirect Dark Matter Searches with the MAGIC Telescope" 5th Workshop on Science With The New Generation of High Energy Experiment (Scineghe 2007), Villa Mondragone, Frascati (Rome) Italy, June 18-20, 2007.
  - [Poster] M. Doro et al. "Indirect Dark Matter Search at Intermediate Mass Black Holes with the MAGIC Telescope", Proceedings of the 30th International Cosmic Ray Conference. July 3 - 11, 2007, Merida, Yucatan, Mexico. Volume 4, p.721-724
- 2006
  - [Contributed talk] "Dark Matter Searches with the MAGIC Telescope", International Dark Matter Conference, Rhodes, Greece, 2006
  - [Contributed talk] "Ricerca Indiretta di Materia Oscura con il Telescopio MAGIC", Società Italiana di Fisica (SIF), Torino, Italia, 2006

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## Participation in Books and Leaflets

- 2012
  - M.Doro "A glance at the future with the Cherenkov Telescope Array observatory", in 2ndd Aspera Technology Forum Report, March 2012

2009

- M.Doro "MAGIC: The World Largest Cherenkov Telescopes Exploring the nonthermal gamma-ray emission of the universe". In "Lightweight Alt-Az Telescope Developments". Edited by R.M. Genet, J.M. Johnson and V. Wallen. Published by the Collins Foundation Press, California, USA.

- Description of the MAGIC telescope and its mirrors in the collection "Il futuro di Galileo. Scienza e Tecnica dal Seicento al terzo Millennio.", from the homonymous exhibit held in Padova, Centro Culturale Altinate, 28/02-14/06 2009.

**Personal skills and competences**

Mother tongue  
Other languages

**English**  
**Spanish**  
**Catalan**  
**French**

**Italian**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Good	Very good	Very Good	Good	Good
Very good	Very good	Very good	Good	Good
Good	Good	Basic	Basic	Basic
Good	Basic	Basic	Basic	Scarse

Social skills  
Organisational skills  
Computer skills

Particular attitude and general pleasure to work in groups.

Particular attitude in co-ordination of activities.

I worked on Windows, Linux and Mac operating system. I normally program in c++ and Root. I had experience in analyzing MAGIC telescope data for DM searches, in Monte Carlo production, and in general code treatment for analysis purposes. I also programmed software for raytracing simulations for the telescope optics.

**Publications with MAGIC and CTA as co-author**

The updated publication list as member of MAGIC and CTA collaboration (including proceedings) can be found at the following link <http://orcid.org/0000-0001-9104-3214>. Hereafter, the publication in collaborations are added. **Most relevant Collaboration papers** are in bold. Proceedings are NOT included.

1. "Investigating the peculiar emission from the new VHE gamma-ray source H1722+119", M. L. Ahnen *et al.* [MAGIC Coll.], Monthly Notices of the Royal Astronomical Society, **459-Issue 3** p.3271-3281 (2016/07)
2. "Multiwavelength observations of the blazar 1ES 1011+496 in Spring 2008", M. L. Ahnen *et al.* [MAGIC Coll.], Monthly Notices of the Royal Astronomical Society **591-Issue 3** p.2286-2298 (2016/07)
3. "Search for VHE gamma-ray emission from Geminga pulsar and nebula with the MAGIC telescopes", M. L. Ahnen *et al.* [MAGIC Coll.], Astronomy & Astrophysics **591** (2016/06)
4. "Super-orbital variability of LS I +61° 303 at TeV energies", M. L. Ahnen *et al.* [MAGIC Coll.], Astronomy & Astrophysics **591** (2016/06)
5. "Insights into the emission of the blazar 1ES 1011+496 through unprecedented broadband observations during 2011 and 2012", J. Aleksic *et al.* [MAGIC Coll.], Astronomy & Astrophysics **591** (2016/06)
6. "MAGIC observations of the February 2014 flare of 1ES 1011+496 and ensuing constraint of the EBL density", M. L. Ahnen *et al.* [MAGIC Coll.], Astronomy & Astrophysics **590** (2016/05)
7. "Deep observation of the NGC 1275 region with MAGIC: search of diffuse gamma-ray emission from cosmic rays in the Perseus cluster", M. L. Ahnen *et al.* [MAGIC Coll.], Astronomy & Astrophysics **589** (2016/04)
8. "Multiwavelength Study of Quiescent States of Mrk 421 with Unprecedented Hard X-Ray Coverage Provided by NuSTAR in 2013", M. Baloković *et al.* [MAGIC Coll.], The Astrophysical Journal **819-issue 2** (2016/03)
9. "The major upgrade of the MAGIC telescopes, Part II: A performance study using observations of the Crab Nebula", J. Aleksic *et al.* [MAGIC Coll.], Astroparticle Physics **72** p. 76-94 (2016/01)
10. "The major upgrade of the MAGIC telescopes, Part I: The hardware improvements and the commissioning of the system", J. Aleksic *et al.* [MAGIC Coll.], Astroparticle Physics **75** p. 61-75 (2016/01)
11. "Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC", S. Ansoldi *et al.* [MAGIC Coll.], Astronomy & Astrophysics, **585** (2016/01)
12. "Very High Energy gamma-Rays from the Universe's Middle Age: Detection of the  $z = 0.940$  Blazar PKS 1441+25 with MAGIC", M. L. Ahnen *et al.* [MAGIC Coll.]. The Astrophysical Journal Letters **815-Issue2** (2015/12)
13. "First NuSTAR Observations of Mrk 501 within a Radio to TeV Multi-Instrument Campaign", A. Furniss *et al.* [MAGIC Coll.]. The Astrophysical Journal **812-Issue 1** (2015/10)
14. "Very high-energy gamma-ray observations of novae and dwarf novae with the MAGIC telescopes", J. Aleksic *et al.* [MAGIC Coll.]. Astronomy & Astrophysics **582** (2015/10)
15. "MAGIC detection of short-term variability of the high-peaked BL Lac object 1ES 0806+524", J. Aleksic *et al.* [MAGIC Coll.]. Monthly Notices of the Royal Astronomical Society **451-Issue1** p.739-750 (2015/07)
16. "Probing the very high energy gamma-ray spectral curvature in the blazar PG 1553+113 with the MAGIC telescopes", J. Aleksic *et al.* [MAGIC Coll.]. Monthly Notices of the Royal Astronomical Society **450-Issue4** p.4399-4410 (2015/07)

17. "Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010", J. Aleksic et al. [MAGIC Coll.]. *Astronomy & Astrophysics* **578** (2015/06)
18. "The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies", J. Aleksic et al. [MAGIC Coll.]. *Astronomy & Astrophysics* **576** (2015/04)
19. "MAGIC observations of MWC 656, the only known Be-BH system", J. Aleksic et al. [MAGIC Coll.]. *Astronomy & Astrophysics* **576** (2015/04)
20. "Measurement of the Crab Nebula spectrum over three decades in energy with the MAGIC telescopes" J. Aleksic et al. [MAGIC Coll.]. *Journal of High Energy Astrophysics* **5** pp.30-38 (2015/03)
21. "Discovery of very high energy gamma-ray emission from the blazar 1ES 0033+595 by the MAGIC telescopes" J. Aleksic et al. [MAGIC Coll.]. *Monthly Notices of the Royal Astronomical Society* **446 Issue 1** pp.217-225 (2015/01)
22. "Multiwavelength observations of Mrk 501 in 2008" J. Aleksic et al. [MAGIC Coll.]. *Astronomy & Astrophysics* **573** (2015/01)
23. "First broadband characterization and redshift determination of the VHE blazar MAGIC J2001+439" J. Aleksic et al. [MAGIC Coll.]. *Astronomy & Astrophysics* **572** (2014/12)
24. "**Black hole lightning due to particle acceleration at subhorizon scales**" J. Aleksic et al. [MAGIC Coll.]. *Science* **346, 1080** (2014)
25. "Discovery of very high energy  $\gamma$ -ray emission from the blazar 1ES 0033+595 by the MAGIC telescopes" J. Aleksic et al. [MAGIC Coll.]. *Mon. Not. Roy. Astron. Soc.* **446**, 217 (2015)
26. "Multiwavelength observations of Mrk 501 in 2008" J. Aleksic et al. [MAGIC and VERITAS Coll. and External Collaborators]. *Astron. Astrophys.* **573**, A50 (2015)
27. "First broadband characterization and redshift determination of the VHE blazar MAGIC J2001+439" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **572**, A121 (2014)
28. "MAGIC search for VHE  $\gamma$ -ray emission from AE Aquarii in a multiwavelength context" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **568**, A109 (2014)
29. "Discovery of TeV gamma-ray emission from the pulsar wind nebula 3C 58 by MAGIC" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **567**, L8 (2014)
30. "MAGIC telescopes for the study of the electronic cosmic flux" V. Scalzotto, D. B. Tridon, L. Cossio, P. Colin and M. Doro. 10.1393/ncc/i2013-11475-8 *Nuovo Cim. C* **036**, no. 01, 312 (2013).
31. "Multifrequency Studies of the Peculiar Quasar 4C +21.35 during the 2010 Flaring Activity" M. Ackermann et al. [MAGIC and Fermi-LAT Coll.]. *Astrophys. J.* **786**, 157 (2014)
32. "**Search for Very-High-Energy Gamma Rays from the z = 0.896 Quasar 4C +55.17 with the MAGIC telescopes**" J. Aleksic et al. [MAGIC Coll.]. *Mon. Not. Roy. Astron. Soc.* **440, 530** (2014)
33. "MAGIC reveals a complex morphology within the unidentified gamma-ray source HESS J1857+026" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **571**, A96 (2014)
34. "MAGIC gamma-ray and multifrequency observations of flat spectrum radio quasar PKS 1510-089 in early 2012" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **569**, 46 (2014)
35. "MAGIC long-term study of the distant TeV blazar PKS 1424+240 in a multiwavelength context" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **567**, A135 (2014)
36. "MAGIC upper limits on the GRB 090102 afterglow" J. Aleksic et al. [MAGIC Coll.]. *Mon. Not. Roy. Astron. Soc.* **437**, 3103 (2014)
37. "MAGIC observations and multifrequency properties of the Flat Spectrum Radio Quasar 3C 279 in 2011" J. Aleksic et al. [The MAGIC and Telescope for the KVA and Observatory for the Metsähovi Radio and Observatory for the Owens Valley Radio Coll.]. *Astron. Astrophys.* **567**, A41 (2014)
38. "Rapid and multi-band variability of the TeV-bright active nucleus of the galaxy IC 310" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **563**, 91 (2014)
39. "**Introducing the CTA concept**" B. S. Acharya, et al. [CTA Consortium]. *Astropart. Phys.* **43, 3** (2013).
40. "Discovery of very high energy gamma-ray emission from the blazar 1ES 1727+502 with the MAGIC Telescopes" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **563**, A90 (2014)
41. "Observations of the magnetars 4U 0142+61 and 1E 2259+586 with the MAGIC telescopes" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **549**, A23 (2013)
42. "MAGIC observations of the giant radio galaxy M87 in a low-emission state between 2005 and 2007" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **544**, A96 (2012)
43. "High zenith angle observations of PKS 2155-304 with the MAGIC-I telescope" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **544**, A75 (2012)

44. "Detection of VHE  $\gamma$ -rays from HESS J0632+057 during the 2011 February X-ray outburst with the MAGIC Telescopes" J. Aleksic et al. [MAGIC Coll.]. *Astrophys. J.* **754**, L10 (2012)
45. "Discovery of VHE gamma-rays from the blazar 1ES 1215+303 with the MAGIC Telescopes and simultaneous multi-wavelength observations" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **544**, A142 (2012)
46. "Morphological and spectral properties of the W51 region measured with the MAGIC telescopes" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **541**, A13 (2012)
47. "Discovery of VHE gamma-ray emission from the BL Lac object B3 2247+381 with the MAGIC telescopes" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **539**, A118 (2012)
48. "Detection of very high energy gamma-ray emission from NGC 1275 by the MAGIC telescopes" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **539**, L2 (2012)
49. "Detection of the gamma-ray binary LS I +61 303 in a low flux state at Very High Energy gamma-rays with the MAGIC Telescopes in 2009" J. Aleksic et al. [MAGIC Coll.]. *Astrophys. J.* **746**, 80 (2012)
50. "The 2010 very high energy gamma-ray flare & 10 years of multi-wavelength observations of M 87" A. Abramowski et al. [HESS and VERITAS Coll.]. *Astrophys. J.* **746**, 151 (2012)
51. **"Constraining Cosmic Rays and Magnetic Fields in the Perseus Galaxy Cluster with TeV observations by the MAGIC telescopes" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **541**, A99 (2012)**
52. "Phase-resolved energy spectra of the Crab Pulsar in the range of 50-400 GeV measured with the MAGIC Telescopes" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **540**, A69 (2012)
53. "Observations of the Crab pulsar between 25 GeV and 100 GeV with the MAGIC I telescope" J. Aleksic et al. [MAGIC Coll.]. *Astrophys. J.* **742**, 43 (2011)
54. "Performance of the MAGIC stereo system obtained with Crab Nebula data" J. Aleksic et al. [MAGIC Coll.]. *Astropart. Phys.* **35**, 435 (2012)
55. "Fermi large area telescope observations of Markarian 421: The missing piece of its spectral energy distribution" A. A. Abdo et al. [MAGIC Coll.]. *Astrophys. J.* **736**, 131 (2011).
56. "Mrk 421 active state in 2008: the MAGIC view, simultaneous multi-wavelength observations and SSC model constrained" J. Aleksic, E. A. Alvarez, L. A. Antonelli, P. Antoranz, M. Asensio, M. Backes, J. A. Barrio and D. Bastieri et al.. *Astron. Astrophys.* **542**, A100 (2012)
57. "A search for Very High Energy gamma-ray emission from Scorpius X-1 with the MAGIC telescopes" J. Aleksic et al. [MAGIC Coll.]. *Astrophys. J.* **735**, L5 (2011)
58. "MAGIC discovery of VHE Emission from the FSRQ PKS 1222+21" J. Aleksic et al. [MAGIC Coll.]. *Astrophys. J.* **730**, L8 (2011)
59. "PG 1553+113: five years of observations with MAGIC" J. Aleksic et al. [MAGIC Coll.]. *Astrophys. J.* **748**, 46 (2012)
60. "MAGIC observations and multiwavelength properties of the quasar 3C279 in 2007 and 2009" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **530**, 4 (2011)
61. "Spectral Energy Distribution of Markarian 501: Quiescent State vs. Extreme Outburst" V. A. Acciari et al. [VERITAS and MAGIC Coll.]. *Astrophys. J.* **729**, 2 (2011)
62. "Insights Into the High-Energy Gamma-ray Emission of Markarian 501 from Extensive Multifrequency Observations in the Fermi Era" A. A. Abdo et al. [LAT and MAGIC and VERITAS Coll.]. *Astrophys. J.* **727**, 129 (2011)
63. "Observations of the Blazar 3C 66A with the MAGIC Telescopes in Stereoscopic Mode" J. Aleksic et al. [MAGIC Coll.]. *Astrophys. J.* **726**, 58 (2011)
64. "Detection of very high energy gamma-ray emission from the Perseus cluster head-tail galaxy IC 310 by the MAGIC telescopes" J. Aleksic et al. [MAGIC Coll.]. *Astrophys. J.* **723**, L207 (2010)
65. "Design concepts for the Cherenkov Telescope Array CTA: An advanced facility for ground-based high-energy gamma-ray astronomy" M. Actis et al. [CTA Consortium]. *Exper. Astron.* **32**, 193 (2011)
66. "MAGIC Upper Limits for two Milagro-detected, Bright Fermi Sources in the Region of SNR G65.1+0.6" J. Aleksic et al. [MAGIC Coll.] *Astrophys. J.* **725**, 1629 (2010)
67. "Magic constraints on Gamma-ray emission from Cygnus X-3" J. Aleksic et al. [MAGIC Coll.]. *Astrophys. J.* **721**, 843 (2010)
68. "MAGIC observation of the GRB080430 afterglow" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **517**, A5 (2010)
69. "Search for an extended VHE gamma-ray emission from Mrk 421 and Mrk 501 with the MAGIC Telescope" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **524**, A77 (2010)

70. "Gamma-ray excess from a stacked sample of high- and intermediate-frequency peaked blazars observed with the MAGIC telescope" J. Aleksic et al. [MAGIC Coll.]. *Astrophys. J.* **729**, 115 (2011)
71. "MAGIC TeV Gamma-Ray Observations of Markarian 421 during Multiwavelength Campaigns in 2006" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **519**, A32 (2010)
72. "Simultaneous multi-frequency observation of the unknown redshift blazar PG 1553+113 in March-April 2008" J. Aleksic et al. [MAGIC Coll.]. *Astron. Astrophys.* **515**, A76 (2010)
73. "Correlated X-ray and Very High Energy emission in the gamma-ray binary LS I +61 303" H. Anderhub et al. [MAGIC Coll.]. *Astrophys. J.* **706**, L27 (2009)
74. "Simultaneous Multiwavelength observation of Mkn 501 in a low state in 2006" H. Anderhub et al. [MAGIC Coll.]. *Astrophys. J.* **705**, 1624 (2009)
75. "MAGIC Gamma-Ray Telescope Observation of the Perseus Cluster of Galaxies: Implications for Cosmic Rays, Dark Matter and NGC 1275" J. Aleksic et al. [MAGIC Coll.]. *Astrophys. J.* **710**, 634 (2010)
76. "Radio Imaging of the Very-High-Energy Gamma-Ray Emission Region in the Central Engine of a Radio Galaxy" V. A. Acciari et al. [VERITAS and HESS and MAGIC Coll.]. *Science* **325**, 444 (2009)
77. "Simultaneous Multiwavelength Observations of Markarian 421 During Outburst" V. A. Acciari et al. [MAGIC and VERITAS Coll.]. *Astrophys. J.* **703**, 169 (2009)
78. "Discovery of Very High Energy  $\gamma$ -rays from the blazar S5 0716+714" H. Anderhub et al. [MAGIC Coll.]. *Astrophys. J.* **704**, L129 (2009)
79. "Suzaku and Multi-wavelength Observations of OJ 287 during the Periodic Optical Outburst in 2007" H. Seta et al. [MAGIC and SUZAKU Coll.]. *Publ. Astron. Soc. Jap.* **61**, 1011 (2009)
80. "Search for VHE  $\gamma$ -ray emission from the globular cluster M13 with the MAGIC telescope" H. Anderhub et al. [MAGIC Coll.]. *Astrophys. J.* **702**, 266 (2009)
81. "MAGIC Observations of PG 1553+113 during a Multiwavelength Campaign in July 2006" J. Albert et al. [MAGIC Coll.]. *Astron. Astrophys.* **493**, 467 (2009)
82. "The June 2008 flare of Markarian 421 from optical to TeV energies" V. Vittorini et al. *Astrophys. J.* **691**, L13 (2009)
83. "MAGIC upper limits to the VHE gamma-ray flux of 3C454.3 in high emission state" H. Anderhub et al. [MAGIC Coll.]. *Astron. Astrophys.* **498**, 83 (2009)
84. "Discovery of a very high energy gamma-ray signal from the 3C 66A/B region" E. Aliu et al. [MAGIC Coll.]. *Astrophys. J.* **692**, L29 (2009)
85. "Improving the performance of the single-dish Cherenkov telescope MAGIC through the use of signal timing" E. Aliu et al. [MAGIC Coll.]. *Astropart. Phys.* **30**, 293 (2009)
86. "Observation of pulsed gamma-rays above 25 GeV from the Crab pulsar with MAGIC" E. Aliu et al. [MAGIC Coll.]. *Science* **322**, 1221 (2008)
87. "First bounds on the high-energy emission from isolated Wolf-Rayet binary systems" E. Aliu et al. [MAGIC Coll.]. *Astrophys. J.* **685**, L71 (2008)
88. "Very-High-Energy Gamma Rays from a Distant Quasar: How Transparent Is the Universe?" J. Albert et al. [MAGIC Coll.]. *Science* **320**, 1752 (2008), [Science 320N5884, 1752 (2008)]
89. "Periodic very high energy gamma-ray emission from LS I +61 303 observed with the MAGIC telescope" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **693**, 303 (2009)
90. "MAGIC Observations of a 13-Day Flare Complex in M87 in February 2008" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **685**, L23 (2008)
91. "Simultaneous multiwavelength observations of the blazar 1ES1959+650 at a low TeV flux" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **679**, 1029 (2008)
92. "Multi-wavelength (radio, X-ray and gamma-ray) observations of the gamma-ray binary LS I +61 303" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **684**, 1351 (2008)
93. "MAGIC observations of the unidentified TeV gamma-ray source TeV J2032+4130" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **675**, L25 (2008)
94. "Upper limit for gamma-ray emission above 140-GeV from the dwarf spheroidal galaxy Draco" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **679**, 428 (2008)
95. "Implementation of the Random Forest Method for the Imaging Atmospheric Cherenkov Telescope MAGIC" J. Albert et al. [MAGIC Coll.]. *Nucl. Instrum. Meth. A* **588**, 424 (2008)
96. "Probing Quantum Gravity using Photons from a flare of the active galactic nucleus Markarian 501 Observed by the MAGIC telescope" J. Albert et al. [MAGIC Coll. and other contributors]. *Phys. Lett. B* **668**, 253 (2008)
97. "Unfolding of differential energy spectra in the MAGIC experiment" J. Albert et al. [MAGIC Coll.]. *Nucl. Instrum. Meth. A* **583**, 494 (2007)

98. "Systematic search for VHE gamma-ray emission from X-ray bright high-frequency BL Lac objects" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **681**, 944 (2008)
99. "Discovery of Very High Energy gamma-rays from 1ES1011+496 at  $z=0.212$ " J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **667**, L21 (2007)
100. "Observation of VHE gamma-rays from Cassiopeia A with the MAGIC telescope" J. Albert et al. [MAGIC Coll.]. *Astron. Astrophys.* **474**, 937 (2007)
101. "Very High Energy Gamma-ray Radiation from the Stellar-mass Black Hole Cygnus X-1" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **665**, L51 (2007)
102. "VHE Gamma-Ray Observation of the Crab Nebula and Pulsar with MAGIC" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **674**, 1037 (2008)
103. "Discovery of VHE Gamma Radiation from IC443 with the MAGIC Telescope" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **664**, L87 (2007)
104. "Discovery of very high energy gamma-ray emission from the low-frequency peaked BL Lac object BL Lacertae" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **666**, L17 (2007)
105. "Constraints on the steady and pulsed VHE gamma-ray emission from observation of PSR B1951+32/CTB 80 with the MAGIC Telescope" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **669**, 1143 (2007)
106. "Variable VHE gamma-ray emission from Markarian 501" J. Albert, E. Aliu, H. Anderhub, P. Antoranz, A. Armada, C. Baixeras, J. A. Barrio and H. Bartko et al. *Astrophys. J.* **669**, 862 (2007)
107. "MAGIC upper limits on the very high energy emission from GRBs" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **667**, 358 (2007)
108. "FADC signal reconstruction for the MAGIC Telescope" J. Albert et al. [MAGIC Coll.]. *Nucl. Instrum. Meth. A* **594**, 407 (2008)
109. "Observation of very high energy gamma-rays from the AGN 1ES 2344+514 in a low emission state with the MAGIC telescope" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **662**, 892 (2007)
110. "First bounds on the very high energy gamma-ray emission from Arp 220" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **658**, 245 (2007)
111. "Discovery of very high energy gamma-rays from Markarian 180 triggered by an optical outburst" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **648**, L105 (2006)
112. "Detection of VHE radiation from the BL Lac PG 1553+113 with the MAGIC telescope" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **654**, L119 (2007)
113. **"Variable Very High Energy Gamma-ray Emission from the Microquasar LS I +61 303" J. Albert et al. [MAGIC Coll.]. *Science* 312, 1771 (2006)**
114. "Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **643**, L53 (2006)
115. "Discovery of VHE gamma-ray emission from 1ES1218+30.4" J. Albert et al. [MAGIC Coll.]. *Astrophys. J.* **642**, L119 (2006)
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July 4th, 2016  
Michele Doro