


## PERSONAL INFORMATION

Francesco Massaro - March 1, 2021

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## WORK EXPERIENCE

09.2017 – Present

**Associate Professor**

University of Turin

09.2014 – 09.2017

**Researcher (Tenure Track)**

University of Turin

01.2014 – 09.2014

**Associate research scientist**

Yale University

Supervisor: Prof. C. M. Urry

02.2013 – 01.2014

**Associate research scientist**

Stanford University

Supervisor: Prof. S. Funk

08.2011 – 12.2012

**Postdoctoral fellow**

Stanford University

Supervisor: Prof. S. Funk

01.2010 – 08.2011

**Postdoctoral fellow**

Center for Astrophysics, Harvard &amp; Smithsonian

Supervisor: Prof. J. E. Grindlay

01.2008 – 12.2010

**Postdoctoral fellow**

Center for Astrophysics, Harvard &amp; Smithsonian

Supervisor: Dr. D. E. Harris

## EDUCATION AND TRAINING

11.2005 – 11.2007

**Ph.D. in Astronomy***Spectral evolution of the Synchrotron and the Inverse Compton emission in TeV BL Lac objects*

University of Rome Tor Vergata - approved on Feb. 12th, 2008

09.1999 – 01.2004

**Master Degree in Physics***Spectral Analysis of X-ray emission of the Seyfert Galaxy Circinus observed with XMM-Newton*

University "Roma TRE" - 110/110 cum laude - approved on Jan. 28th, 2004

## PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
Common European Framework of Reference (CEF) level

## AWARDS & PRIZES

- 04.2008 - Astronomical Italian Society "Tacchini Prize" for the PhD thesis.
- 10.2008 - NRAO image contest: 2nd Prize for the image: "The Heart of Draco constellation: the Radio galaxy 3C 305". Investigators: F. Massaro, A. Bonafede, E. Liuzzo, E. Bressert. - <http://chandra.harvard.edu/photo/2009/3c305/>
- 06.2010 - Istituto Nazionale di Astrofisica (INAF) Postdoctoral fellowship 2009. Title of the project: "Particle acceleration mechanisms and emission processes in radio galaxies" (2 years appointment, 2nd classified, DECLINED).
- 07.2012 - Astronomy Fellowships in Italy Co-Funded by FP7 Marie Curie Actions. Title of the project: "Unidentified Gamma-ray sources: hunting blazars" (2 years appointment, 3rd classified, DECLINED).
- 05.2013 - IAU Financial support to organize the "IAU Symposium 313: Extragalactic jets from every angle". Conference venue: Galapagos Island (Ecuador) - September, 15th-19th, 2014. (Amount: 20000 EUR = 27300 USD)

RESEARCH GRANTS AWARDED  
as Principal Investigator

- 05.2009 - Grant awarded by "The Foundation BLANCEFLOR Boncompagni-Ludovisi, née Bildt" for the research project: "Physics of jets and hotspots: investigating extended structures in radio-loud AGNs on the whole electromagnetic spectrum". (Amount: 160000 SEK = 22000 USD).
- 09.2009 - Grant awarded by NASA (NNH09ZDA001N-ADP) (grant number: NNX10AD50G), Research Opportunities in Space and Earth Sciences (ROSES-2009) for the Astrophysics Data Analysis Program (ADP) with the research project: "Investigating Blazars Jets: From the Infrared to the X-rays". (Amount: 170000 USD).
- 05.2010 - Grant awarded by "The Foundation BLANCEFLOR Boncompagni-Ludovisi, née Bildt" for the research project: "Unveiling the nature of extragalactic jets". (Amount: 120000 SEK = 15000 USD).
- 02.2014 - Grant awarded by "Ministero dell' Istruzione, dell' Università e della Ricerca" regarding the "Programma Giovani Ricercatori "Rita Levi Montalcini" (bando 2012) for the research project: "The unsolved mystery of the Unidentified Gamma-ray Sources". (Amount: 215000 EUR = 290000 USD).
- 03.2017 - Grant awarded by "Università di Torino" regarding the "Bando per il Finanziamento di Progetti di Ricerca di Ateneo" (bando 2016) for the research project: "Where do BL Lac objects and radio galaxies live?". (Amount: 52904 EUR = 59200 USD).
- 12.2017 - Grant awarded by "Ministero dell' Istruzione, dell' Università e della Ricerca" regarding the "Fondo Finanziamento delle Attività Base di Ricerca" (bando 2017). (Amount: 3000 EUR = 3420 USD).
- 01.2018 - Grant awarded by "Agenzia Spaziale Italiana & Istituto Nazionale di Astrofisica" "ASI/INAF 2017-14/H.0" (bando 2017) for the research project: "Softly X-raying the extragalactic  $\gamma$ -ray sky". (Amount: 5000 EUR = 5700 USD).
- 07.2018 - Grant awarded by "Consorzio Interuniversitario Per la Fisica Spaziale (CIFS)" for the research project: "UniTO 4 LOFAR". (Amount: 25000 EUR = 28500 USD).
- 07.2019 - Erasmus + Call 2019 KA107- International Credit Mobility with Japan (Amount: 59686 EUR = 66127 USD)

- 2009 - **Spitzer** Cycle 6 -  
"Enigmatic features in Centaurus A" (Amount: 3000 USD).
- 2010 - **Suzaku** Cycle 5 -  
"X-ray curved spectra in High frequency peaked BL Lacs" (Amount: 10000 USD).
- 2011 - **Chandra** Cycle 13 -  
"Extending The Chandra 3C snapshot survey: radio galaxies with  $0.3 < z < 0.5$ " (Amount: 117000 USD).
- 2011 - **XMM-Newton** Cycle 11 -  
"The nature of X-ray emission in BL Lac objects".
- 2012 - **Fermi** Cycle 5 -  
"Unidentified Gamma-ray Sources: hunting blazars" (Amount: 180000 USD).
- 2013 - **Chandra** Cycle 15 -  
"Counting the Chandra 3CR snapshot survey: 23 radio sources with  $0.3 < z < 0.5$ " (Amount: 132000 USD).
- 2014 - **XMM-Newton** Cycle 14 -  
"Completing the 3CR X-ray survey the last unidentified radio sources in the Third Cambridge Catalog".
- 2015 - **Chandra** Cycle 17 -  
"Extending the Extragalactic 3CR Chandra Survey to  $z=1.5$ " (Amount: 62000 USD).
- 2016 - **Fermi** Cycle 9 -  
"Continuing the optical Spectroscopic campaign of the gamma-ray blazar candidates (Fermi-NOAO Joint proposal).
- 2017 - **Fermi** Cycle 10 -  
"Completing the optical Spectroscopic campaign of the gamma-ray blazar candidates (Fermi-NOAO Joint proposal).
- 2018 - **Fermi** Cycle 11 -  
"The Optical Spectroscopic campaign of gamma-ray blazar candidates: 10 yrs after the FERMI launch (Fermi-NOAO Joint proposal).
- 2018 - **Chandra** Cycle 20 -  
"Completing the Chandra Extragalactic 3CR Survey" (Amount: 53000 USD).
- 2019 - **Fermi** Cycle 12 -  
"Hunting gamma-ray blazars with optical spectroscopic observations (Fermi-NOAO Joint proposal).
- 2019 - **Chandra** Cycle 21 -  
"X-raying the unknown 3CR extragalactic Sky" (Amount: 63000 USD).
- 2020 - **Fermi** Cycle 13 -  
"An optical perspective of the unknown gamma-ray sky (Fermi-NOAO Joint proposal).
- 2020 - **Chandra** Cycle 22 -  
"Hidden treasures in the 3CR extragalactic catalog" (Amount: 55000 USD).
- 2020 - **XMM-Newton** Cycle 23 -  
"3CR 403.1 & 3CR 430: FR II radio galaxies harbored in galaxy clusters".

- 2007 - **INTEGRAL** Cycle 04 -  
"INTEGRAL follow-up observations of AGILE-triggered gamma-ray flaring blazars"
- 2007 - **INTEGRAL** Cycle 05 -  
"INTEGRAL follow-up observations of AGILE-triggered gamma-ray flaring blazars"
- 2008 - **Chandra** Cycle 10 -  
"Probing physical conditions in the extended emission-line regions of powerful radio galaxies: the case of 3C 171"  
"Tracking the aftermath of the giant flare in the M87 jet"  
"Using Chandra to understand the TeV emission from M87"
- 2009 - **Chandra** Cycle 11 -  
"A long look at Pictor A: particle acceleration in a 200-kpc FR II jet"  
"The X-ray – TeV connection in M87"
- 2011 - **Chandra** Cycle 13 -  
"Variability and particle acceleration in the Jet of Pictor A"  
"A powerful outburst in the enigmatic cluster RX J0334.2-0111?"  
"Keeping tabs on the unique jet in M87"
- 2012 - **Chandra** Cycle 14 -  
"Keeping Tabs on the Unique Jet in M87 During Cycle 14"  
"TeV Flaring from M87: Triggering Chandra to Detect an X-ray Counterpart".
- 2013 - **Fermi** Cycle 6 -  
"Unidentified Gamma-ray Sources: optical observations of  $\gamma$ -ray blazar candidates" (Amount: 60000 USD - Fermi-NOAO Joint proposal).
- 2013 - **Chandra** Cycle 15 -  
"Powerful radio galaxies in rich clusters"  
"Keeping tabs on the unique jet in M87".
- 2014 - **Chandra** Cycle 16 -  
"TeV Flaring from M87: Triggering Chandra to Detect an X-ray Counterpart".  
"Keeping tabs on the unique jet in M87"
- 2014 - **Kepler** Cycle 2014  
"AGN Variability Studies with K2 Field 1".
- 2014 - **XMM-Newton** Cycle 14 -  
"Simultaneous XMM-Newton/Swift/Kepler monitoring of OJ 287".
- 2015 - **Fermi** Cycle 7 -  
"VERITAS observations of a sample of hard new Fermi-LAT sources (Fermi-VERITAS Joint proposal).
- 2015 - **Chandra** Cycle 17 -  
"Extragalactic X-ray Jets".
- 2015 - **Fermi** Cycle 8 -  
"VERITAS observations of a sample of hard new Fermi-LAT sources (Fermi-VERITAS Joint proposal).
- 2016 - **Fermi** Cycle 9 -  
"VERITAS observations of a sample of hard new Fermi-LAT sources (Fermi-VERITAS Joint proposal).
- 2020 - **Fermi** Cycle 10 -  
"Enabling prompt identifications of electromagnetic counterparts to high-energy neutrinos with Fermi-LAT.
- 2020 - **INTEGRAL** Cycle 18 -  
"Hunting high-energy flares in radio-weak BL Lacs.
- 2020 - **Chandra** Cycle 22 -  
"Investigating the X-ray extended emission around the radio galaxy 3CR 297".  
"X-ray jets in hard X-ray selected giant radio galaxies".

- 2010 - VLA  
"The curved jet of 3C 17".
- 2012 - VERITAS Observing Season 2012/2013  
"Discovery observations of selected candidates from the WISE and the Fermi catalogs".
- 2013 - WHT Service Programme May 2013 (grade 3.3): 1 night  
"Unveiling the nature of unidentified gamma-ray sources with optical spectra".
- 2013 - WHT Service Programme July 2013 (grade 2.9): 1 night  
"Optical spectroscopic observations of 3CR radio sources".
- 2013 - VERITAS Observing Season 2012/2013  
"BL Lac candidates selected via IR observations".
- 2014 - WHT Service Programme February 2014: 1 night  
"Optical spectroscopic observations of 3CR radio sources".
- 2014 - WHT Service Programme February 2014: 1 night  
"Unveiling the nature of unidentified gamma-ray sources with optical spectra".
- 2014 - CTIO-SOAR 2 nights  
"Unveiling the nature of unidentified gamma-ray sources with optical spectroscopic observations".
- 2015 - CTIO-SOAR: 3 nights  
"Unveiling the nature of unidentified gamma-ray sources with optical spectroscopic observations".
- 2015 - WHT Service Programme February 2015: 1/2 night  
"Optical spectroscopic observations of 3CR radio sources".
- 2015 - NOT: 5 nights  
"The NOT spectroscopic campaign of unidentified gamma-ray sources".
- 2019 - ESO Period 104: 3 nights  
"Continuing the census of unidentified Fermi gamma-ray sources".
- 2019 - ESO Period 105: 3 nights  
"Continuing the census of unidentified Fermi gamma-ray sources II".

AWARDED PROJECTS FOR  
GROUND-BASED TELESCOPES  
as Co-investigator

2008 - VLA  
"Physical conditions in the extended emission-line region of 3C 305".

2013 - MMT: 2 nights  
"Unveiling the nature of unidentified gamma-ray sources with optical spectroscopy".

2013 - TNG Service Programme: 2 nights  
"Unveiling the nature of unidentified gamma ray sources with optical spectroscopic observations".

2014 - TNG Service Programme: 4 nights  
"Unveiling the nature of unidentified gamma ray sources with optical spectroscopic observations".

2014 - LBA: 48 hours  
"Revealing unknown gamma-ray blazar jets with the LBA".

2014 - OAN: 6 nights  
"Unveiling the nature of unidentified gamma ray sources with optical spectroscopic observations".

2015 - GMRT Cycle 27  
"Radio - gamma ray connection in Blazars".

2015 - OAN : 8 nights  
"Unveiling the nature of unidentified gamma ray sources with optical spectroscopic observations".

2016 - SRT  
"Unveiling the blazar region with the SRT-ALMA-Fermi synergy".

2019A - Gran Telescopio CANARIAS  
"Efficient second-order Fermi acceleration in the hot spots of radio galaxies".

2020 - GMRT Cycle 38  
"Probing the presence of re-energized particles in A2395".

2020A - Gemini North  
"Is 3C 297 a high-z fossil group?".

2020A - Gran Telescopio CANARIAS  
"Efficient second-order Fermi acceleration in the hot spots of radio galaxies".

2020B - SRT  
"Investigating the radio components of the FR II radio galaxy 3C 403.1".

2020B - Gemini North  
"Are powerful radio sources alone? The case of 3CR 430".

2020B - Gran Telescopio CANARIAS  
"Testing the environment of FR II radio galaxies".

UNDERGRADUATE STUDENTS  
SUPERVISED

2016-2017: Supervisor of the undergraduate student: C. Stuardi at the University of Turin (Master Degree).

2018-2019: Supervisor of the undergraduate student: S. Viada at University of Turin (Bachelor Degree).

2018-2019: Supervisor of the undergraduate student: V. Berta at University of Turin (Bachelor Degree).

2018-2019: Supervisor of the undergraduate student: G. Speranza at University of Turin (Master Degree).

## Ph.D. STUDENTS SUPERVISED

2010: Supervisor of the visiting Ph.D. student: A. Paggi at the Harvard - Smithsonian Astrophysical Observatory.

2014: Advisor of the Ph.D. student: P. Mao at the Yale University.

**2014-2017**: Supervisor of the Ph.D. student: N. Álvarez Crespo at University of Turin.

**2015-2018**: Supervisor of the Ph.D. student: E. J. Marchesini in co-tutoring between University of Turin and the University of La Plata (Argentina).

**2016-2019**: Supervisor of the Ph.D. student: H. A. Peña Herazo in co-tutoring between University of Turin and the National Institute of Astrophysics, Optics and Electronics (Mexico).

**2017-2020**: Supervisor of the Ph.D. student: R. Grossová in co-tutoring between University of Turin and Masaryk University (Czech Republic).

2019: Supervisor of the visiting Ph.D. student: R. Menezes at University of Turin.

**2018-2021**: Supervisor of the Ph.D. student: Dr. A.M. Jiménez-Gallardo at University of Turin.

**2019-2022**: Supervisor of the Ph.D. student: Dr. V. Missaglia at University of Turin.

**2020-2023**: Supervisor of the Ph.D. student: M. Kosiba in co-tutoring between University of Turin and Masaryk University (Czech Republic).

## POSTDOCS & VISITING SCIENTISTS SUPERVISED

2011: Supervisor of the visiting scientist: Dr. A. Paggi at the Harvard - Smithsonian Astrophysical Observatory.

2014: Advisor of the visiting scientist: Dr. M. Landoni at the Harvard - Smithsonian Astrophysical Observatory.

2014: Advisor of the visiting scientist: F. Ricci at the Harvard - Smithsonian Astrophysical Observatory.

2017-2019: Supervisor of the postdoctoral fellow: Dr. A. Paggi at University of Turin.

2018-2019: Advisor of the visiting scientist: V. Missaglia at the Harvard - Smithsonian Astrophysical Observatory.

2019-2020: Supervisor of the postdoctoral fellow: Dr. R. Baldi at University of Turin.

2020: Supervisor of the postdoctoral fellow: Dr. H. A. Peña Herazo at University of Turin.

2020-2021: Supervisor of the postdoctoral fellow: Dr. A. Paggi at University of Turin.

## EDITORIAL WORK

- Referee for the *Astrophysical Journal*, *Astrophysical Journal Letters*.

- Referee for the *Monthly Notices of the Royal Astronomical Society*.

- Referee for *Astronomy and Astrophysics*.

- Referee for the *Astronomical Journal*.

- Referee for *Publications of the Astronomical Society of Japan*.

- Referee for *Publications of the Astronomical Society of the Pacific*.

- Referee for *New Astronomy*.

- Referee for *Publications of the Astronomical Society of Australia*.



## ASTRONOMICAL PROFESSIONAL SOCIETIES

- Member of the American Astronomical Society since January 2010 (High Energy Astrophysical Division).
- Member of the Astronomical Society of the Pacific (July 2011 - July 2015).
- Member of the International Astronomical Union since August 2012.
- Member of the European Astronomical Society since January 2016.
- Member of the American Physical Society since (April 2016 - April 2019).

## ASTRONOMICAL COLLABORATIONS

- Member of the Fermi LAT Collaboration since August 2011.
- Member of the CTA Collaboration May 2012 - September 2014.
- Member of the IXPE Collaboration since January 2017.

## ASTROPHYSICAL CONFERENCES ORGANIZED

- 06.2012 [SOC member] - AAS "Meeting in a Meeting" on the *Extragalactic Gamma-ray Background*, 220th AAS.
- 09.2014 [SOC & LOC Chair] - IAU Symposium 313: *Extragalactic jets from every angle*, Galapagos Islands, Ecuador, September 2014.
- 09.2015 [LOC member] - Fermi-Large Area Telescope Collaboration meeting, University of Turin, Italy.
- 02.2017 [SOC & LOC Chair] - National Conference: *CLUSTER I*, University of Turin, Italy, February 2017.
- 12.2017 [SOC convener] - International Conference: *29TH TEXAS SYMPOSIUM ON RELATIVISTIC ASTROPHYSICS*, Cape Town, South Africa, December 2017.
- 06.2018 [SOC & LOC Chair] - International Conference: *Half a Century of Blazars and Beyond*, University of Turin, Italy.
- 09.2018 [SOC member] - National Conference: *CLUSTER II*, University of Naples, Italy.
- 09.2019 [SOC & LOC Chair] - International Conference: *The 3C Extragalactic Radio Sky: Legacy of the Third Cambridge Catalogue*, University of Turin, Italy.
- 03.2020 [SOC member] - IAU Symposium 359: *Galaxy Evolution and Feedback Across Different Environments*, Bento Goncalves, Brazil.
- 08.2020 [SOC member] - National Conference: *AGN XIV*, INAF - Astronomical Observatory of Florence, Italy.
- 08.2020 [SOC member] - National Conference: *CLUSTER III*, INAF - Astronomical Observatory of Trieste, Italy.

- PEER REVIEWS**
- 12.2009: *SWIFT* Cycle 6 Peer Review, panel member.
  - 04.2010: *Fermi* Cycle 3 Peer Review, Co-chair.
  - 12.2010: *SWIFT* Cycle 7 Peer Review, panel member.
  - 04.2011: *Spitzer* Cycle 8 Peer Review, panel member.
  - 01.2012: *Spitzer* DDT reviewer.
  - 01.2012: *Suzaku* Cycle 7 Peer Review, panel member.
  - 06.2013: *Chandra* Cycle 15 Peer Review, panel member.
  - 02.2014: *NuSTAR* Archive Research Opportunity for ASI, panel member.
  - 08.2014: *GMRT* Cycle 27 Peer Review, reviewer.
  - 05.2015: *ESO P96* Peer Review, panel member.
  - 11.2015: *ESO P97* Peer Review, panel member.
  - 06.2016: *Chandra* Cycle 18 Peer Review, panel member.
  - 01.2018: NASA *Hubble* Fellowship Program, panel member.
  - 08.2018: External reviewer for the Croatian Science Foundation “Tenure Track Pilot Programme”.
  - 10.2018: *LOFAR* Cycle 11 Italian Time Allocation Committee, panel member.
  - 04.2019: *LOFAR* Cycle 12 Italian Time Allocation Committee, panel member.
  - 06.2019: *Chandra* Cycle 21 Peer Review, panel member.
  - 06.2019: External reviewer for the National Fund for Scientific and Technological Development (FONDECYT) of Chile.
  - 08.2019: *GMRT* Cycle 37 Peer Review, reviewer.
  - 10.2019: *LOFAR* Cycle 13 Italian Time Allocation Committee, panel member.
  - 04.2019: *LOFAR* Cycle 14 Italian Time Allocation Committee, panel member.
  - 08.2020: External reviewer for the Croatian Science Foundation “Research Projects”.
  - 08.2020: *GMRT* Cycle 39 Peer Review, reviewer.
  - 01.2021: *JWST* Cycle 1 Peer Review, external expert.

- COMMITTEES**
- 06.2018: Committee for Associate Researcher Selection at University of Perugia.
  - 11.2018: External referee Ph.D. thesis Dr. G. Venturi at University of Florence.
  - 12.2018: External referee Ph.D. thesis Dr. M. Cau at University of Bologna.
  - 06.2019: Committee for Associate Researcher Selection at University of Perugia.
  - 11.2019: External referee Ph.D. thesis Dr. A. Travascio at University of Rome La Sapienza.
  - 01.2021: External referee Ph.D. thesis Dr. A. Zaino at University of Roma Tre.

- 2006 [1] *The properties of circumnuclear regions in Circinus Galaxy*  
**Massaro, F.**; Bianchi, S.; Matt, G.; D'Onofrio, E.; Nicastro, F. *A&A* 2006, 455, 156
- 2007 [2] *Signatures of synchrotron emission and of electron acceleration in the X-ray spectra of Mrk 421*  
Tramacere, A.; **Massaro, F.**; Cavaliere, A. 2007 *A&A*, 466, 521
- 2008 [1] *X-ray spectral evolution of TeV BL Lac objects: Eleven years of observations with BeppoSAX, XMM-Newton and Swift satellites*  
**Massaro, F.**; Tramacere, A.; Cavaliere, A.; Perri, M.; Giommi, P. 2008 *A&A*, 478, 395
- [2] *The X-ray spectrum and a 26 year-long X-ray light-curve of 1E 1207.9+3945, one of most extreme BL Lac object*  
Maselli, A.; Giommi, P.; Perri, M.; Nesci, R.; Tramacere, A.; **Massaro, F.**; Capalbi, M. 2008 *A&A*, 479, 35
- [3] *Swift observations of IBL and LBL objects*  
**Massaro, F.**; Giommi, P.; Tosti, G.; Cassetti, A.; Nesci, R.; Perri, M.; Burrows, D.; Gehrels, N. 2008 *A&A*, 489, 1047
- 2009 [1] *Extended X-ray emission in radio galaxies: the peculiar case of 3C 305*  
**Massaro, F.**; Chiaberge, M.; Grandi, P.; Giovannini, G.; O'Dea, C. P.; Macchetto, F. D.; Baum, S. A.; Gilli, R.; Capetti, A.; Bonafede, A.; Liuzzo, E. 2009 *ApJ*, 629, L123
- [2] *The Jet of 3C 17 and the Use of Jet Curvature as a Diagnostic of the X-ray Emission Process*  
**Massaro, F.**; Harris, D. E.; Chiaberge, M.; Grandi, P.; Macchetto, F. D.; Baum, S. A.; O'Dea, C. P.; Capetti, A. 2009 *ApJ*, 696, 980
- [3] *SSC radiation in BL Lac sources, the end of the tether*  
Paggi, A.; **Massaro, F.**; Vittorini, V.; Cavaliere, A.; D'Ammando, F.; Vagnetti, F.; Tavani, M. 2009 *A&A*, 504, 821
- [4] *Fermi Large Area Telescope Gamma-ray detection of the radio galaxy M 87*  
A. A. Abdo et al. (Fermi-LAT collaboration) 2009 *ApJ*, 707 55
- 2010 [1] *Modeling X-Ray Emission of a Straight Jet: PKS 0920-397*  
Schwartz, D. A.; **Massaro, F.**; Siemiginowska, A.; Worrall, D. M.; Birkinshaw, M.; Marshall, H.; Evans, D.; Perlman, E.; Gelbord, J. M.; Lovell, J. E. J.; Godfrey, L.; Bicknell, G.; Ojha, R.; Hardcastle, M.; Jester, S.; Jorstad, S.; Stawarz, L. 2010 *IJMPD*, 19, 879
- [2] *X-ray emission from the extended emission-line region of the powerful radio galaxy 3C171*  
Hardcastle, M. J.; **Massaro, F.**; Harris, D. E. 2010 *MNRAS*, 401, 2697
- [3] *Chandra Observations of 3C Radio Sources with  $z < 0.3$ : Nuclei, Diffuse Emission, Jets and Hotspots*  
**Massaro, F.**; Harris, D. E.; Tremblay, G. R.; Axon, D.; Baum, S. A.; Capetti, A.; Chiaberge, M.; Gilli, R.; Giovannini, G.; Grandi, P.; Macchetto, F. D.; O'Dea, C. P.; Risaliti, G.; Sparks, W. 2010 *ApJ*, 714, 589
- [4] *A Flare in the Jet of Pictor A*  
Marshall, H. L.; Hardcastle, M. J.; Birkinshaw, M.; Croston, J.; Evans, D.; Landt, H.; Lenc, E.; **Massaro, F.**; Perlman, E. S.; Schwartz, D. A.; Siemiginowska, A.; Stawarz, L.; Urry, C. M.; Worrall, D. M. 2010 *ApJ*, 714, L213
- [5] *Gamma Ray Bursts in the Fermi era: the spectral energy distribution of the prompt emission*  
**Massaro, F.**; Grindlay, J. E.; Paggi, A. 2010 *ApJ*, 714, L299
- [6] *Veritas 2008-2009 Monitoring of the Variable Gamma-ray Source M 87*  
Acciari, V. A. et al. (VERITAS collaboration) 2010 *ApJ*, 716, 819

- 2011 [1] *Spectral evolution of long Gamma Ray Burst prompt emission: electrostatic acceleration and adiabatic expansion*  
**Massaro, F.**; Grindlay, J. E. 2011 ApJ, 727, L1
- [2] *Fueling lobes of radio galaxies: statistical particle acceleration and the extragalactic  $\gamma$ -ray background*  
**Massaro, F.**; Ajello, M. 2011 ApJ, 729, L12
- [3] *Large scale Extragalactic Jets In The Chandra Era I: data reduction and analysis*  
**Massaro, F.**; Harris, D. E.; Cheung, C. C. 2011 ApJS, 197, 24
- [4] *X-ray spectral curvature of High Frequency Peaked BL Lacs: a predictor for the TeV flux*  
**Massaro, F.**; Paggi, A.; Elvis, M.; Cavaliere, A. 2011 ApJ, 739, 73
- [5] *Identification of the infrared non-thermal emission in Blazars*  
**Massaro, F.**; D'Abrusco, R.; Ajello, M.; Grindlay, J. E.; Smith, Howard A. 2011 ApJ, 740, L48
- [6] *X-ray and TeV emissions from High Frequency Peaked BL Lacs*  
**Massaro, F.**; Paggi, A.; Cavaliere, A. 2011 ApJ, 742, L32
- [7] *An Experiment to Locate the Site of TeV Flaring in M87*  
Harris, D. E.; **Massaro, F.**; Cheung, C. C.; Horns, D.; Raue, M.; Stawarz, L.; Wagner, S.; Colin, P.; Mazin, D.; Wagner, R.; Beilicke, M.; LeBohec, S.; Hui, M.; Mukherjee, R. 2011 ApJ, 743, 177
- 2012 [1] *Complex particle acceleration processes in the hotspots of 3C 105 and 3C 445*  
Oriente, M.; Prieto, M. A.; Brunetti, G.; Mack, K.-H.; **Massaro, F.**; Harris, D. E. 2012 MNRAS, 419, 2338
- [2] *The 2010 VHE flare of M87 & 10 years of multi-wavelength observations: clues to the origin of the VHE emission?*  
Abramowski, A. et al. (HESS collaboration) 2012 ApJ, 746, 151
- [3] *Infrared colors of gamma-ray detected Blazars*  
D'Abrusco, R.; **Massaro, F.**; Ajello, M.; Grindlay, J. E.; Smith, Howard A.; Tosti, G. 2012 ApJ, 748, 68
- [4] *Gamma-ray Activity in the Crab Nebula: the exceptional flare of 2011 April*  
Buehler, R.; Scargle, J. D.; Blandford, R. D.; Baldini, L.; Baring, M. G.; Belfiore, A.; Charles, E.; Chiang, J.; D'Ammando, F.; Dermer, C. D.; Funk, S.; Grove, J. E.; Harding, A. K.; Hays, E.; Kerr, M.; **Massaro, F.**; Mazziotta, M. N.; Romani, R. W.; Saz Parkinson, P. M.; Tennant, A. F.; Weisskopf, M. C. 2012 ApJ, 749, 26
- [5] *The WISE gamma-ray strip parametrization: the nature of the gamma-ray Active Galactic Nuclei of Uncertain type*  
**Massaro, F.**; D'Abrusco, R.; Tosti, G.; Ajello, M.; Gasparrini, D.; Grindlay, J. E.; Smith, Howard A. 2012 ApJ, 750, 138
- [6] *Unidentified gamma-ray sources: hunting  $\gamma$ -ray blazars*  
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