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Scientific highlights **35 published papers** (7 on *Physical Review Letters*). 3 more papers currently under review.
Citations: 3983 (source: *spires database*, December 2018);
h-Index: 22 (source: *spires database*)
12 invited talks at international conferences and workshops (including 3 plenary talks at TeVPA, 1 plenary talk at ICRC)

Grants and Awards February 2018, *La Caixa Junior Leader Fellowship* (3 year grant, **300,000 €**)
October 2015, *Distinguished GRAPPA Fellowship* (3 years) at the GRAPPA Center of Excellence (Amsterdam, The Netherlands)

April 2015, *SFB Fellowship* (2 months, 4,400 €) at DESY (Hamburg, Germany)

2012, *PhD thesis selected for publication* in the series “Springer Theses, Recognizing Outstanding Ph.D. Research”

Current Position October 2018 - present, *La Caixa Junior Leader postdoctoral fellow*

Previous positions October 2015 - October 2018, **Distinguished GRAPPA fellow**, University of Amsterdam

October 2012 - October 2015, **Post-doctoral researcher** at SISSA (*Scuola Internazionale Superiore di Studi Avanzati*)

October 2011 - October 2012, **Short-term visits** at: *Laboratoire d’Annecy-le-Vieux de Physique Théorique (LAPTh)*; *Karlsruher Institut für Technologie*; *Max-Planck-Institut für Physik (München)*.

Education October 24th, 2011, *Galileo Galilei school of Graduate studies in Pisa*: **Ph.D. in Physics**; thesis on “Cosmic Ray diffusion in the Galaxy and diffuse gamma emission”; supervisors: Prof. Ronaldo Bellazzini, Dr. Dario Grasso.

October 18th, 2007, *Università degli Studi di Pisa*: **M.Sci. (Laurea Magistrale) in Astrophysics**; full marks: 110/110 *cum laude*; thesis on “Neutrino and Gamma ray diffuse emission from the Galaxy” (in Italian); supervisors: Prof. Vincenzo Cavasinni, Dr. D. Grasso.

IT knowledges *Operating systems: Linux/Unix, MacOSX, Windows.
Programming: C/C++ (very good); Python (very good); Java (basic level)
Typesetting packages: Latex, MSOffice, OpenOffice.
Mathematical and Numerical Packages: IDL (good), HEALPix.
Statistical tools: Minuit, MultiNest, BAT*

Languages *Native Italian speaker
Very good written and spoken English
Very good written and spoken Spanish
Basic knowledge of French*

Reference persons **Gianfranco Bertone**
*GRAPPA (Gravitation and Astroparticle Physics Amsterdam)
Universiteit van Amsterdam
Science Park 904
1098 XH Amsterdam
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Piero Ullio
*SISSA
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Stefano Gabici
*Laboratoire APC - AstroParticule et Cosmologie
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Dario Grasso
*INFN sezione di Pisa and Physics Department,
University of Pisa
Largo Bruno Pontecorvo, 3
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List of activities, seminars and teaching experiences after the PhD.

- **Seminars, visits and other activities**

- **Invited plenary talks** at conferences and workshops:

- * TeVPa 2018 (Berlin, Germany, August 2018): **Invited highlight talk** on “*Learning the physics of CR transport from the gamma-ray sky*”
- * BAROLO Astroparticle workshop (Barolo, Italy, September 2018): Invited talk
- * Rencontres du Vietnam: Very high energy phenomena in the universe (August 2018): Invited talk (declined)
- * CRATER workshop (Gran Sasso Science Institute, L’Aquila, Italy, May 2018): **Invited talk** on “*Understanding cosmic-ray propagation in the Galaxy*”
- * MIAPP workshop (Munich, Germany, March 2018): **Invited review talk** on “*Understanding cosmic-ray propagation in the Galaxy*”
- * Amsterdam-Paris-Stockholm meeting (Woerden, The Netherlands, October 2017); **Invited review talk** on “*Primordial black holes*”
- * TeVPa 2017 (Columbus, Ohio, August 2017); **invited plenary talk** on “*Recent results in CR modeling*”
- * 11th International Workshop on Astroparticle Physics at Ooty (Ooty, India, December 2016); **Invited talk** on “*An overview on cosmic-ray propagation and modeling of gamma-ray emission from the Galaxy*”
- * ICRC 2015 (The Hague, Netherlands, July 2015); **invited plenary talk** on “*Connecting cosmic-ray physics, gamma-ray data and Dark Matter detection*”
- * CASPAR 2014 (Cosmic-Ray Acceleration, Sources and Propagation: A Rendez-vous, Hamburg, September 2014): Seminar and tutorial on the DRAGON code.
- * TeVPa 2012 (TATA Institute, Mumbai, India, December 2012); **invited plenary talk** on “*Cosmic-ray anisotropies*”
- * 13th ICATPP Conference on Astroparticle, Particle, Space Physics and Detectors for Physics Applications (Como, Italy, October 2011); **Invited talk**.

- **Recent invited seminars (2017/2018):**

- * “*Primordial black holes*” (National Institute of Nuclear Physics (INFN) Meeting, National Scientific Committee n. 2 (CNS2), Pavia, Italy, April 10th, 2018)
- * “*Learning the physics of CR transport from non-thermal Galactic emission*” (Princeton University, Astroplasma Seminar, USA, March 2nd, 2018)
- * “*Primordial Black Holes: A promising and testable dark matter candidate?*” (University of California, Irvine, USA, February 20th, 2018)
- * “*CR transport modeling and diffuse non-thermal emission from the Galaxy*” (DESY Zeuthen, plasma physics group seminar, Germany, November 29th, 2017)
- * “*Analyzing diffuse gamma rays to understand the physics of cosmic-ray propagation*” (DESY Zeuthen, Germany, March 31st, 2017)
- * “*Searching for primordial black holes and WIMPs in the inner Galaxy*” (University of Padova, Italy, February 22nd, 2017)
- * “*Searching for different dark matter candidates in the inner Galaxy*” (Laboratoire de Physique Théorique et Hautes Energies, Paris, February 14th, 2017)
- * “*Analyzing diffuse gamma rays to understand the physics of cosmic-ray propagation*” (Laboratoire APC (Astroparticules et Cosmologie), Université Paris Diderot, February 8th, 2017)
- * “*Primordial black holes as dark matter candidates?*” (University of Pisa, Italy, January 12th, 2017)

- **Invited seminars** at LAPH (Annecy, 2011), KIT (Karlsruhe, 2012), MPP (Munich, 2012), DESY (Hamburg, 2013), University of Oslo (Oslo, 2015), GRAPPA (Amsterdam, 2015), INFN Pisa (several times in 2014, 2015)

– **Selected contributed talks/posters at conferences and workshops:**

- * TeVPA 2018 (Berlin, Germany, August 2018), oral contribution on “*Primordial Black Holes: A promising and testable dark matter candidate?*”
- * DM18 (University of California Los Angeles, USA, February 2018), oral contribution on “*Primordial Black Holes: A promising and testable dark matter candidate?*”
- * GRAPPA @5 (Amsterdam, The Netherlands, October 2017, oral contribution on “*Searching for primordial black holes*”);
- * TeVPA 2017 miniworkshops (Columbus, OH, USA, August 6th 2017), 2 oral contributions on *Origin of the spectral hardening of proton, helium and other nuclei* and *Looking for primordial black holes in the radio and X-ray sky*
- * ICRC 2017 (Busan, South Korea, July 2017, oral contribution on *Cosmic rays and gamma rays from supernova remnants: time evolution*)
- * Fundamental Physics with SKA, cosmology workshop (Flic-en-Flac, Mauritius, May 2017, oral contribution on “*Searching for Primordial Black Holes with SKA*”)
- * e-ASTROGAM workshop 2017 (Padova, March 2017, oral contribution on “*Potential of e-ASTROGAM for the discovery of Dark Matter and new particles*”)
- * TeVPA 2016 (CERN, Switzerland, September 2016, oral contribution on “*Cosmic-ray propagation with DRAGON 2*”).
- * Amsterdam-Paris-Stockholm meeting (Gouvieux, France, August 2016, oral contribution on “*Cosmic-ray propagation with DRAGON 2*”);
- * Neutrino 2016 (London, UK, July 2016, poster contribution on “*Diffuse neutrino emission from the Galaxy above the TeV*”);
- * Gamma Rays and Dark Matter (Obergurgl, Austria, December 2015, oral contribution on “*A realistic astrophysical interpretation of the GeV Galactic center excess*”);
- * TeVPA 2015 (Tokyo, Japan, October 2015, oral contribution);
- * TeVPA 2014 (Amsterdam, Netherlands, July 2014, oral contribution);
- * Workshop on the Future of Dark Matter Astro-Particle Physics: Insights and Perspectives (ICTP, Italy, October 2013, oral contribution);
- * Dark Side of the Universe 2013 (SISSA, Italy, October 2013, oral contribution);
- * CASPAR 2013 (Cosmic-Ray Acceleration, Sources and Propagation: A Rendez-vous, Hamburg, September 2013, oral contribution)
- * ICRC 2013 (Rio De Janeiro, Brazil, July 2013, 3 contributions, 1 oral);

– **Visits for scientific collaborations:**

- * 2-month visit at DESY (Hamburg), April and June 2015 [Host: Prof. Günther Sigl], funded by the SFB fellowship (2.2kEuro/month)
- * Research visit at APC (Paris), July 2014 [Host: Dr. Stefano Gabici]
- * 1-month visit at *Max-Planck-Institut für Physik (München)*, June 2012 [Host: Dr. Luca Maccione]
- * 2-month visit at *Karlsruher Institut für Technologie (Karlsruhe)*, March-April 2012 [Host: Dr. Iris Gebauer]
- * 2-month visit at *Laboratoire de Annecy-le-Vieux de Physique Thorique (Annecy)*, November-December 2011 [Host: Dr. Pasquale Serpico]

- Co-organizer of the GRAPPA seminars and of the weekly GRAPPA journal club (2015 - ongoing) at the University of Amsterdam
- Co-organizer of the Amsterdam-Paris-Stockholm meeting 2017
- Co-founder and co-supervisor of the DRAGON team since 2008
- Daily technical support and supervision of DRAGON/HeSKY/HelioProp users since 2008, in particular with students at Pisa INFN and Pisa University (2009-ongoing), SISSA (Trieste, 2012-2015), GRAPPA (Amsterdam, 2015-ongoing)
- **Deputy coordinator** of the cosmic-ray science working group in CTA, starting in January 2019

- Member of the CTA Consortium since February 2017, involved in the modeling of the Galactic gamma-ray diffuse emission in the TeV domain
- Member of the Fermi-LAT collaboration from 2008 to 2015
- Referee for Physical Review Letters, ApJ, ApJ Letters, Physical Review D, Astronomy and Astrophysics, JCAP.
- Referee for the PhD thesis of D. Benyamin (Hebrew University of Jerusalem)

- **Teaching/Tutoring/Mentoring experience**

- **Lectures on dark matter and cosmology and and tutoring on coding projects about dark matter and cosmology** in the *GRAPPA student seminar* M.Sc. course (Amsterdam, June 2018, 28h of lectures and tutoring).
- **Lectures on indirect dark matter detection** in the *GRAPPA student seminar* M.Sc. course (Amsterdam, June 2017).
- **Lectures on cosmic-ray acceleration, propagation and dark matter indirect detection** at the *Ooty winter school of Astroparticle Physics* (Ooty, India, December 2016). The classes were attended by a selection of excellent master students from different Indian states.
- **Lectures on cosmic-ray acceleration, propagation and dark matter indirect detection** at the *Petnica Summer School on Astrophysics and Astroparticles* (Valjevo, Serbia, July 2015). The classes were attended by a selection of excellent master students from different Eastern Europe countries.
- **Student supervision:**
 - * Co-supervision of Ph.D. student Ottavio Fornieri (2018-present, with Dr. D. Grasso, Prof. P.S. Marrocchesi)
 - * Official daily supervision of GRAPPA undergraduate student Julien Manshanden (2017/18, with Prof. G. Bertone)
 - * Official daily co-supervision of GRAPPA undergraduate student Mart Pothast (2017/18, with Prof. C. Weniger)
 - * Informal project supervision of API undergraduate student Alex Cooper (2017/18, with Prof. S. Markoff) on the topic *Contribution of X-ray binaries to the CR flux*.
 - * Project supervision of graduate student Mauro Valli at SISSA (informal). Thesis title: *A glimpse on Dark Matter particles shining through the gamma-ray sky* (2014/2016, with Prof. Piero Ullio). I have co-supervised three projects on cosmic-ray transport and indirect dark matter detection.
 - * Project supervision of undergraduate student Giuseppe Di Bernardo at Pisa University (2010, informal, with Dr. Dario Grasso). I have co-supervised a project on the interpretations of the leptonic CR measurements performed by the Fermi-LAT experiment.

- **Outreach**

Science and art slam, public lecture on dark matter with free jazz improvisation, Amsterdam, May 2017

Preprints:

- [38], Manshanden, J.; **Gaggero, D.**; Bertone, G.; Connors, R.M.T; Ricotti, M., “Multi-wavelength astronomical searches for primordial black holes”, submitted to *JCAP*, arXiv:1812.07967
- [37], Bull, P.; Camera, S.; Kelley, K. *et al.*, “Fundamental Physics with the Square Kilometer Array”, submitted to *PASA*, arXiv:1810.02680
- [36] Barack, L., Cardoso, V., Nissanke, S., Sotiriou, T., *et al.*, “Black holes, gravitational waves and fundamental physics: a roadmap”, *White Paper for the COST action Gravitational Waves, Black Holes, and Fundamental Physics*, 269 pages, 12 figures arXiv:1805.09034

Publications on refereed Journals:

- [35], Albert, A. *et al.* [ANTARES and IceCube collaboration] and **Gaggero, D.** and Grasso, D. , “Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes”, *The Astrophysical Journal Letters*, Volume 868, Issue 2, article id. L20, 7 pp. (2018)
- [34] **Gaggero, D.**; Valli M., “Impact of cosmic-ray physics on dark matter indirect searches”, submitted to *Advances in high-energy physics*, *Advances in High Energy Physics* Volume 2018, Article ID 3010514 (2018)
- [33] Pothast, M.; **Gaggero, D.**; Storm, E.; Weniger, C., “On the progressive hardening of the cosmic-ray proton spectrum in the inner Galaxy”, *Journal of Cosmology and Astroparticle Physics*, Issue 10, article id. 045 (2018)
- [32] De Angelis, A. *et al.* [e-ASTROGAM collaboration], “Science with e-ASTROGAM. A space mission for MeV-GeV gamma-ray astrophysics”, *Journal of High Energy Astrophysics*, Volume 19, p. 1-106 (2018)
- [31] Kavanagh, B. J.; **Gaggero, D.**; Bertone, G., “Merger rate of a subdominant population of primordial black holes”, *Phys. Rev. D*, Volume 98, Issue 2, id.023536 (2018)
- [30] Evoli, C.; **Gaggero, D.**; Vittino, A.; Di Mauro, M.; Grasso, D.; Mazziotta, Mario N., “Cosmic-ray propagation with DRAGON2: II. Nuclear interactions with the interstellar gas”, *Journal of Cosmology and Astroparticle Physics*, Issue 07, article id. 006 (2018).
- [29] Feyereisen, M.R., **Gaggero, D.**, Ando, S., “One-point fluctuation analysis of IceCube neutrino events outlines a significant unassociated isotropic component and constrains the Galactic contribution”, *Phys. Rev. D* 97, 103017 (2018)
- [28] **Gaggero, D.**; Zandanel, F.; Cristofari, P.; Gabici, S., “Time Evolution of Gamma Rays from Supernova Remnants”, *Monthly Notices of the Royal Astronomical Society*, Volume 475, Issue 4, 21 (2018)
- [27] Cerri, S. S.; **Gaggero, D.**; Vittino, A.; Evoli, C.; Grasso, D., “A signature of anisotropic cosmic-ray transport in the gamma-ray sky.”, *Journal of Cosmology and Astroparticle Physics*, Issue 10, article id. 019 (2017)
- [26] Albert, A. *et al.* [ANTARES collaboration] and **Gaggero, D.** and Grasso, D. , “New Constraints on all flavour Galactic diffuse neutrino emission with the ANTARES telescope”, *Phys. Rev. D* 96, 062001 (2017)
- [25] **Gaggero, D.**; Grasso, D.; Marinelli, A.; Taoso, M.; Urbano, A., “Diffuse cosmic-rays shining in the Galactic Center: A novel interpretation of H.E.S.S. and Fermi-LAT gamma-ray data”, *Physical Review Letters*, Volume 119, id. 031101 (2017)

- [24] **Gaggero D.**, Bertone G., Calore F., Connors R., Lovell M., Markoff S., Storm E. “Searching for Primordial Black Holes in the radio and X-ray sky”, *Physical Review Letters*, Volume 118, id. 241101 (2017)
- [23] Bartels, R., **Gaggero, D.**, Weniger, C., “Prospects for indirect dark matter searches with MeV photons”, [[arXiv:1703.02546](#)], *Journal of Cosmology and Astroparticle Physics*, Issue 05, article id. 001 (2017)
- [22] Evoli C., **Gaggero D.**, Vittino A., Di Bernardo G., Di Mauro M., Ligorini A., Ullio P., Grasso D., “Cosmic-ray propagation with DRAGON2: I. numerical solver and astrophysical ingredients”, *Journal of Cosmology and Astroparticle Physics*, Issue 02, article id. 015 (2017)
- [21] Mazziotta, M. N.; Cerutti, F.; Ferrari, A.; **Gaggero, D.**; Loparco, F.; Sala, P. R., “Production of secondary particles and nuclei in cosmic rays collisions with the interstellar gas using the FLUKA code”, *Astroparticle Physics*, Volume 81, p. 21-38 (2016)
- [20] **Gaggero, D.**; Taoso, M.; Urbano, A.; Valli, M.; Ullio, P., “Towards a realistic astrophysical interpretation of the gamma-ray Galactic center excess”, *Journal of Cosmology and Astroparticle Physics*, Issue 12, article id. 056 (2015)
- [19] Evoli, C.; **Gaggero, D.**; Grasso, D., “Secondary antiprotons as a Galactic Dark Matter probe”, *Journal of Cosmology and Astroparticle Physics*, Issue 12, article id. 039 (2015)
- [18] **Gaggero, D.**; Grasso, D.; Marinelli, A.; Urbano, A.; Valli, M., “The Gamma-Ray and Neutrino Sky: A Consistent Picture of Fermi-LAT, Milagro, and IceCube Results”, *The Astrophysical Journal Letters*, Volume 815, Issue 2, article id. L25, 5 pp. (2015)
- [17] **Gaggero, D.**; Urbano, A.; Valli, M.; Ullio, P., “Gamma-ray sky points to radial gradients in cosmic-ray transport”, *Physical Review D*, Volume 91, Issue 8, id.083012 (2015)
- [16] Cirelli, M.; **Gaggero, D.**; Giesen, G.; Taoso, M.; Urbano, A., “Antiproton constraints on the GeV gamma-ray excess: a comprehensive analysis”, *Journal of Cosmology and Astroparticle Physics*, Issue 12, article id. 045 (2014)
- [15] **Gaggero, D.**; Maccione, L.; Grasso, D.; Di Bernardo, G; Evoli, C., “PAMELA and AMS-02 e^+ and e^- spectra are reproduced by three-dimensional cosmic-ray modeling”, *Physical Review D*, Volume 89, Issue 8, id. 083007 (2014)
- [14] **Gaggero, D.**; Maccione, L., “Model independent interpretation of recent CR lepton data after AMS-02”, *Journal of Cosmology and Astroparticle Physics*, Issue 12, article id. 011 (2013)
- [13] **Gaggero, D.**; Maccione, L.; Di Bernardo, G; Grasso, D.; Evoli, C., “Three-Dimensional Model of Cosmic-Ray Lepton Propagation Reproduces Data from the Alpha Magnetic Spectrometer on the International Space Station”, *Physical Review Letters*, Volume 111, Issue 2, id. 021102 (2013)
- [12] Di Bernardo, G.; Evoli, C.; **Gaggero, D.**; Grasso, D.; Maccione, L., “Cosmic ray electrons, positrons and the synchrotron emission of the Galaxy: consistent analysis and implications”, *Journal of Cosmology and Astroparticle Physics*, Issue 03, article id. 036 (2013)
- [11] Ackermann, M. *et al.* [Fermi Collaboration], “Fermi-LAT Observations of the Diffuse gamma-Ray Emission: Implications for Cosmic Rays and the Interstellar Medium”, *The Astrophysical Journal*, Volume 750, Issue 1, article id. 3 (2012)
- [10] Evoli, C.; **Gaggero, D.**; Grasso, D.; Maccione, L., “A common solution to the cosmic ray anisotropy and gradient problems”, *Physical Review Letters*, Volume 108, Issue 21, id. 211102 (2012)
- [9] Di Bernardo, G.; Evoli, C.; **Gaggero, D.**; Grasso, D.; Maccione, L., “Implications of the Cosmic Ray Electron Spectrum and Anisotropy measured with Fermi-LAT.”, *Astroparticle Physics* 34, 528-538 (2011)
- [8] Di Bernardo, G.; Evoli, C.; **Gaggero, D.**; Grasso, D.; Maccione, L., “Unified interpretation of cosmic-ray nuclei and antiproton recent measurements”, *Astroparticle Physics* 34, 274-283 (2010)
- [7] Ackermann, M. *et al.* [Fermi Collaboration], “Searches for cosmic-ray electron anisotropies with the Fermi Large Area Telescope”, *Physical Review D*, vol. 82, Issue 9, id. 092003 (2010)

- [6] Ackermann, M. *et al.* [Fermi Collaboration], “Fermi LAT observations of cosmic-ray electrons from 7 GeV to 1 TeV”, *Physical Review D*, vol. 82, Issue 9, id. 092004 (2010)
- [5] Abdo, A. A. *et al.* [Fermi Collaboration], “Spectrum of the Isotropic Diffuse Gamma-Ray Emission Derived from First-Year Fermi Large Area Telescope Data”, *Physical Review Letters*, vol. 104, Issue 10, id. 101101 (2010)
- [4] Abdo, A. A. *et al.* [Fermi Collaboration], “Fermi Large Area Telescope Measurements of the Diffuse Gamma-Ray Emission at Intermediate Galactic Latitudes”, *Physical Review Letters*, vol. 103, Issue 25, id. 251101 (2009)
- [3] Grasso, D.; Profumo, S.; Strong, A. W.; Baldini, L.; Bellazzini, R.; Bloom, E. D.; Bregeon, J.; Di Bernardo, G.; **Gaggero, D.**; Giglietto, N.; Kamae, T.; Latronico, L.; Longo, F.; Mazziotta, M. N.; Moiseev, A. A.; Morselli, A.; Ormes, J. F.; Pesce-Rollins, M.; Pohl, M.; Razzano, M.; Sgro, C.; Spandre, G.; Stephens, T. E., “On possible interpretations of the high energy electron-positron spectrum measured by the Fermi Large Area Telescope”, *Astroparticle Physics*, Volume 32, Issue 2, p. 140-151 (2009)
- [2] Abdo, A. A. *et al.* [Fermi Collaboration], “Measurement of the Cosmic Ray $e^+ + e^-$ Spectrum from 20GeV to 1TeV with the Fermi Large Area Telescope”, *Physical Review Letters*, vol. 102, Issue 18, id. 181101 (2009)
- [1] Evoli, C.; **Gaggero, D.**; Grasso, D.; Maccione, L., “Cosmic ray nuclei, antiprotons and gamma rays in the galaxy: a new diffusion model”, *Journal of Cosmology and Astroparticle Physics*, 10, 18 (2008)

Books:

- [1] Ph.D. thesis: “Cosmic Ray diffusion in the Galaxy and diffuse gamma emission”, Springer, 2012

Proceedings:

- [31] **Gaggero, D.**; Grasso, D.; Marinelli, A.; Taoso, M.; Urbano, A.; Ventura, S.; Hard Cosmic Ray Sea in the Galactic Center: a consistent interpretation of H.E.S.S. and Fermi-LAT gamma-ray data, Oral contribution to the International Cosmic Ray Conference (ICRC 2017)
- [30] Vittino A.; Evoli, C.; **Gaggero, D.**; Cosmic-ray transport in the heliosphere with HelioProp, Oral contribution to the International Cosmic Ray Conference (ICRC 2017)
- [29] Cerri, S. S.; **Gaggero, D.**; Vittino, A.; Evoli, C.; Grasso, D.; A signature of anisotropic cosmic-ray transport in the gamma-ray sky, Oral contribution to the International Cosmic Ray Conference (ICRC 2017)
- [28] Marinelli A., **Gaggero, D.**, Grasso D., Urbano A., Valli, M., Modeling the Galactic center emission from GeV to PeV, RICAP16 proceeding, *EPJ Web Conf.* 136, id. 03016 (2017)
- [27] Grasso D., **Gaggero, D.**, Marinelli A., Urbano A., Valli M., Anomalies in the gamma-ray diffuse emission of the Galaxy and implications for the interpretation of IceCube results, RICAP16 proceeding, *EPJ Web Conf.* 136 (2017) 03014
- [26] Gabici S.; **Gaggero, D.**; Zandanel, F.; Can supernova remnants accelerate protons up to PeV energies?, arXiv:1610.07638, to appear in the proceedings of the Rencontres de Blois 2016
- [25] **Gaggero, D.**; Grasso, D.; Marinelli, A.; Urbano, A.; Valli, M., Gamma-ray and neutrino diffuse emissions of the Galaxy above the TeV, TAUP 2015 proceeding, *J.Phys.Conf.Ser.* 718 no.5, 052018 (2016)
- [24] Marinelli, A.; **Gaggero, D.**; Grasso, D.; Urbano, A.; Valli, M.; Interpretation of astrophysical neutrinos observed by IceCube experiment by setting Galactic and extra-Galactic spectral components, VLVnT-2015 proceeding, *EPJ Web Conf.* 116 04009 (2016)

- [23] Evoli, C.; **Gaggero, D.**; Grasso, D.; Cosmic ray antiproton as a dark matter probe, *LFC15 proceeding, Frascati Phys. Ser. 61*, p. 127-132 (2016)
- [22] Di Bernardo, G.; Grasso, D.; Evoli, C.; **Gaggero, D.**, Diffuse synchrotron emission from galactic cosmic ray electrons, cosmic-ray anisotropy workshop proceeding, *ASTRA Proceedings, Volume 2*, pp.21-26 (2015)
- [21] Gebauer, I.; Weinreuter, M.; Kunz, S.; **Gaggero, D.**; The Local Bubble as a cosmic-ray isotropizer, cosmic-ray anisotropy workshop proceeding, *ASTRA Proceedings, Volume 2*, pp. 1-3 (2015)
- [20] **Gaggero, D.**; Taoso, M.; Ullio P.; Urbano, A.; Valli, M.; The Galactic center excess brought down-to-earth, *PoS ICRC2015 (2016) 909*, 34th International Cosmic Ray Conference (ICRC 2015)
- [19] **Gaggero, D.**, Connections between cosmic-ray physics, gamma-ray data analysis and Dark Matter detection, *PoS ICRC2015 (2016) 020*, plenary talk at 34th International Cosmic Ray Conference (ICRC 2015)
- [18] Gebauer, I.; Weinreuter, M.; Kunz, S.; **Gaggero, D.**; On the impact of the Local Bubble on cosmic ray electron and positron spectra and anisotropy, *PoS ICRC2015 (2016) 543*, 34th International Cosmic Ray Conference (ICRC 2015)
- [17] Mazziotta M.N., Cerutti, F.; Ferrari, A.; **Gaggero, D.**; Loparco, F.; Sala, P.R.; Hadronic interactions of primary cosmic rays with the FLUKA code, *PoS ICRC2015 (2016) 412*, 34th International Cosmic Ray Conference (ICRC 2015)
- [16] **Gaggero, D.**; Grasso, D.; Marinelli, A.; Urbano, A.; Valli, M.; Gamma-ray and neutrino diffuse emissions of the Galaxy above the TeV, *PoS ICRC2015 (2016) 1126*, 34th International Cosmic Ray Conference (ICRC 2015)
- [15] Grasso D.; **Gaggero, D.**; Marinelli, A.; Urbano, A.; Valli, M.; Diffuse gamma-ray and neutrino emissions of the Galaxy with spatial dependent cosmic-ray transport, *PoS ICRC2015 (2016) 489*, 34th International Cosmic Ray Conference (ICRC 2015)
- [14] Grasso D.; Di Bernardo, G.; Evoli, C.; **Gaggero, D.**; Maccione, L.; Galactic electron and positron properties from cosmic ray and radio observations, *Conference: C13-07-02, p.0559*, 33rd International Cosmic Ray Conference (ICRC 2013)
- [13] **Gaggero, D.**; Serpico, P. D.; Bonnivard, V.; Impact of annihilation and triplet pair production on secondary cosmic ray positrons, *Conference: C13-07-02, p.0361*, 33rd International Cosmic Ray Conference (ICRC 2013)
- [12] **Gaggero, D.**; Maccione, L.; Di Bernardo, G.; Evoli, C.; Grasso, D.; Three dimensional modeling of CR propagation, *Conference: C13-07-02, p.0357*, 33rd International Cosmic Ray Conference (ICRC 2013)
- [11] **Gaggero, D.**; Evoli, C.; Grasso, D.; Maccione, L.; A unified solution to the anisotropy and gradient problems, *Conference: C13-07-02, p.0355*, 33rd International Cosmic Ray Conference (ICRC 2013)
- [10] Brooijmans G. et al., *Les Houches 2011: Physics at TeV Colliders New Physics Working Group Report*, *Conference: C11-05-30, p.221-463*, 7th Les Houches Workshop on Physics at TeV Colliders (PhysTeV 2011)
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