

Luisa Bonolis

Curriculum Vitae

15 January 2025

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www: <https://www.researchgate.net/profile/Luisa-Bonolis>

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Education and Qualifications

- 2018 Scientific Habilitation in History of Physics for the role of Associate Professor from the Italian Ministry of Education, University and Research
- 2009 Ph.D. in History of Science (with distinction). Title of dissertation:
Bruno Rossi and Cosmic Rays: From Earth Laboratories to Physics in Space
- 2006 Ph.D. Scholarship, History of Sciences, Seminario di Storia della Scienza, Bari University, Italy
- 1994 Post graduate specialization diploma in Physics, Sapienza University, Rome, Italy
- 1993 Master Degree in Physics, Sapienza University, Rome

Language Skills

Italian: Mother tongue

English: Fluent

German: Working knowledge

French: Proficient

Spanish: Working knowledge

Professional and research experience

- 1993–1995 Editor for book publishers Shakespeare & Company Futura, Florence.
- 1996–2002 Collaboration with the Italian Society for Oral History on a project funded by the National Research Council regarding the realization of a series of oral history interviews to leading figures of the 20th century Italian physics to be preserved at the National State Archive.
- 2000–2002 Contract with the Physics Department of Rome University La Sapienza and the Rome branch of the National Institute for Nuclear Physics: research activities and collaboration with the National Committee and with the executive Council for the centennial celebrations of Enrico Fermi's birth .
- 2002–2013 Scientific editor and contributor to the magazine *Sapere*.
- 2003–2020 Collaboration with the Italian Association for Physics Teaching (AIF) at a project aiming at integrating teaching and history of physics.
- 2004–2005 Contract with the Physics Department of Rome University Sapienza and the Rome branch of the National Institute for Nuclear Physics on research activities concerning the project "From cosmic-ray researches to the rise and development of Frascati National Laboratories, and the collaboration with CERN" (National Institute for Nuclear Physics and Italian Ministry for University and Research – MIUR – co-financed project).
- 2006–2007 Collaboration with the Physics Department of Rome University Sapienza on research activities regarding the project "Nuclear and subnuclear Physics in Italy from the 1930s to the 1970s: from cosmic rays to accelerators" (National Institute for Nuclear Physics and Italian Ministry for University and Research co-financed project).
- 2007 (July) Visiting scholar at Kavli Institute for Astrophysics (MIT), Cambridge MA.

2009 October. Research scholar at Interdisciplinary Laboratory for Natural and Human Sciences, International School for Advanced Studies (SISSA), Trieste.

2010 (July–August) Research scholar at Interdisciplinary Laboratory for Natural and Human Sciences, International School for Advanced Studies (SISSA), Trieste

2011 (January–July) Fellowship at Munich Center for the History of Science and Technology, Deutsches Museum, Munich.

2011 (August) Research scholar at Interdisciplinary Laboratory for Natural and Human Sciences, International School for Advanced Studies (SISSA), Trieste.

2013 (October–November) Grant of the Physics Department of Rome University Sapienza on research activities regarding the project “The life and sciences of Bruno Pontecorvo”.

1 March 2013–30 May 2016 Research scholar at Max Planck Institute for the History of Science, Berlin.

1 June 2016–30 May 2018 Fellowship at Max-Planck-Institute for the History of Science. Research Program “History of the Max Planck Society”.

1 June 2018–30 January 2018 Visiting research fellow at Max-Planck-Institute for the History of Science. Research Program “History of the Max Planck Society”.

1 February 2019–30 June 2019 Visiting research fellow at Max-Planck-Institute for the History of Science. Research Program “History of the Max Planck Society”.

1 August 2019–31 July 2021 Visiting research fellow at the Max Planck Institute for the History of Science, Berlin.

1 August 2021–31 July 2023 Visiting research fellow at the Max Planck Institute for the History of Science, Berlin.

1 August 2023 – 30 November 2024 Visiting research fellow at the Max Planck Institute for the History of Science, Berlin.

1 December 2024 –30 September 2025 Visiting research fellow at the Max Planck Institute for the History of Science (Lise Meitner Research Group), Berlin.

Memberships

2013–to–date Member of the Board of Editors of *The European Physical Journal H*

European Astronomical Society

European Physical Society

Italian Physical Society

Italian Society for the History of Physics and Astronomy (SISFA)

Teaching

2001–2004 Lessons on 19th and 20th century history of mathematics and physics within the course “Mathematical methods for physics” held by prof. Carlo Bernardini, Department of Physics, Rome University Sapienza.

2003–2018 Courses at the annual Winter School on History of Physics organized by the Italian Association for Physics Teaching (A.I.F.). Titles of the courses:

The coming of abstract mathematics in the physics of 20th century (2003); *Pauli and the puzzles of β -decay*, *Fermi’s theory of β -decay* (2004); *Enrico Fermi and the Roman Physics School*, *Bruno Rossi and the electromagnetic cascade* (2005); *Einstein, Jordan, Dirac and the origins of QED* (2006); *Neutrinos. A history of puzzles and paradoxes* (2007); *From Mendel’s laws to the discovery of the structure of DNA double helix* (2008); *The motion of Planets: order or chaos? The three-body problem, a challenge for celestial mechanics* (2009); *Physicists and Mathematicians in Göttingen. Amalie Emmy Noether and the birth of super-laws* (2009); *Lords of the cosmic rays: from earth laboratories to physics in space. A century of cosmic ray researches* (2010); *Physics and Group Theory: From Evariste Galois to Emmy Noether. From Noether’s Theorems to the “Gruppenpest” in the new Quantum Mechanics* (2013); *Stars and cosmos as laboratories for*

fundamental physics (2018).

2006–2007 Courses at University of Basilicata, Potenza, History of Physics, Didactics of Physics and Laboratory.

2007–2008 Course at University of Basilicata, Potenza, History of Physics.

2008–2009 Courses at University of Basilicata, Potenza, History of Physics, Didactics of Physics and Laboratory.

Awards

Prize 2011 for the History of Physics of the Italian Physical Society.

Prize 2011 for the History of Physics awarded by “Fondazione Edoardo Amaldi”, the Physics Department of Rome University Sapienza and the Italian Association for the Teaching of Physics.

Oral History

Contemporary Italian physicists. Stories of life and thought, a collection of 11 oral history interviews conducted by L. B. (editor with M. G. Melchionni) (In Italian. Marsilio, Venezia, 2003, pp. 462)

Masters and Pupils in 20th-century Italian Physics (ed.), a collection of oral history interviews and personal recollections, 20 authors (In Italian. Pavia 2008, pp. 650)

Histories of Men and Quarks, a collection of 8 oral history interviews conducted by L. B. (editor with C. Bemporad) (In Italian. Società Italiana di Fisica, 2011, pp. 245)

The beginnings of theoretical condensed matter physics in Rome: a personal remembrance. Oral history interview with Carlo Di Castro, *European Physical Journal H* 39 (2014) 3–36

A life in statistical mechanics. Part 1: From Chedar in Taceva to Yeshiva University in New York. Oral history interview with Joel L. Lebowitz, *European Physical Journal H* 42 (2017) 1–21

The Charm of Theoretical Physics (1958–1993). Oral history interview with Luciano Maiani, *European Physical Journal H* 42 (2017) 611–661

The LHC timeline: a personal recollection (1980–2012), Oral history interview with Luciano Maiani, *European Physical Journal H* 42 (2017) 475–505

Publications

Books

Ettore Majorana. Sulla meccanica dei nuclei radioattivi. La tesi di laurea di una mente geniale (editor with A. Vittorini Orgeas and A. Bianconi) (Gattomerlino Edizioni, 2024)

Bruno Touschek 100 Years. Memorial Symposium 2021 (editor with L. Maiani and G. Pancheri) (Springer Cham, 2023, pp. XII, pp. 306)

Il sogno di Prometeo. La nascita delle ricerche sulla fusione in Italia (Labirinti, Rome, 2023, pp. 241)

Astrophysics, Astronomy and Space Science in the History of the Max Planck Society (with Juan Andres Leon) (Brill, 2022, pp. 714)

The Milan Institute of Physics. A Research Institute from Fascism to the Reconstruction (with L. Gariboldi and A. Testa) (Springer Cham, 2022, pp. 300)

The Legacy of Bruno Pontecorvo: the Man and the Scientist (editor with C. Dionisi and N. Robotti) SIF Conference Proceedings (Società Italiana di Fisica, Bologna 2014, pp. 194)

Editor of the Italian version of the volume by F. Balibar, *Einstein 1905. From ether to quanta*, including the essay “Relativity before Einstein” (Kami, 2005, pp. 172)

Enrico Fermi: his work and legacy (editor with C. Bernardini) (Società Italiana di Fisica & Springer Verlag, 2004), English translation of *Conoscere Fermi*, a selection of essays on Enrico Fermi’s scientific work published by the Società Italiana di Fisica on the occasion of Fermi’s centennial of the birth (Editrice Compositori, 2001, Bologna, pp. 383)

Proceedings of the International Conference “Enrico Fermi and the Universe of Physics”. Rome, September

[29-October 2](#) (editor with C. Bernardini, D. Ghisu, D. Savelli, and L. Falera) (ENEA, Rome, 2003, pp. 408)

[Ettore Majorana. The vanished genius](#), series Masters of science (*Le Scienze*, Milan, June 2002, pp. 112)

Has edited lectures of the course *Epistemology and history of physics*, completed with notes, bibliography and a selection of original texts (1998-1999, prof. M. De Maria, Department of Physics, Rome University Sapienza)

Has been a member of the board of directors of the Encyclopedia *Storia dell'Editoria d'Europa*, in particular coordinating the production of the second volume dedicated to Italy (Shakespeare & Company Futura, 1995, pp. 885, 70 authors)

Articles

[Raul Gatto and Bruno Touschek's joint legacy in the rise of electron-positron physics](#) (with Franco Buccella and Giulia Pancheri) *European Physical Journal H* 49 (2024) article 24

[L'eredità di Bruno Touschek a cent'anni dalla nascita](#) (with Giulia Pancheri). *Quaderni di Storia della Fisica* 29 (1) (2023) 121–157

[The Frascati National Laboratories. Past and Future](#) (with Fabio Bossi and Giulia Pancheri). *Il Nuovo Saggiatore* 37 (3-4) (2021) 47–60

[A Tale of Two Scientists and the Development of Particle Colliders](#) (with Giulia Pancheri). *Viewpoint* 118 (2019) 7-9

[Stellar structure and compact objects before 1940: Towards relativistic astrophysics](#). In: topical issue *The Renaissance of Einstein's Theory of Gravitation*, *European Physical Journal H* 42 (2017) 311–393

[International scientific cooperation during the 1930s. Bruno Rossi and the development of the status of cosmic rays into a branch of physics](#), *Annals of Science* 71(3) (2014) 355–409

[From cosmic ray physics to cosmic-ray astronomy: Bruno Rossi and the opening of new windows on the universe](#), *Astroparticle Physics* 53 (2014) 67–85

Simmetrie e principi di invarianza in fisica. Il ruolo della teoria dei gruppi, *La Fisica nella Scuola* XLVI(3) (2013) 96–111

Book Review: [Elementary Particles by Enrico Fermi](#), *American Journal of Physics* 81 (5) (2013) 397–397

[Massimilla Baldo Ceolin](#), (with M. Friedlander), *Physics Today* 65(8) (2012) 60

Lords of the cosmic-rays. From Earth laboratories to physics in space (in Italian), *La Fisica nella Scuola*, Quaderno 22 (2011) 67–87

[Walther Bothe and Bruno Rossi: The birth and development of coincidence methods in cosmic-ray physics](#), *American Journal of Physics* 79(11) (2011) 1133–1150

[Bruno Touschek: particle physicist and father of the \$e^+e^-\$ collider](#), (with G. Pancheri), *European Physical Journal H* 36(1) (2011) 1–61

[Bruno Rossi and the Racist Laws of Fascist Italy](#), *Physics in Perspective* 13 (2011) 58–90

[The birth and development of research on plasmas and nuclear fusion in Italy](#) (in Italian) (with F. Magistrelli), MIT (LNS) Report HEP 11/01 (December 15, 2010) and *Analysis* 3-4 (2010) 27–44

Physicists and Mathematicians in Göttingen. Amalie Emmy Noether and the birth of super-laws: symmetries and invariances (in Italian), *La Fisica nella Scuola*, Quaderno 21 (2009) 52–67

The motion of Planets: order or chaos? The three-body problem, a challenge for celestial mechanics (in Italian), *La Fisica nella Scuola*, Quaderno 21 (2009) 12–36

Book Review. F. Guerra e N. Robotti, Ettore Majorana. Aspects of his Scientific and Academic Activity, *Nuncius. Journal of the History of Science* 2 (2009) 555–556

[Bruno Touschek and the Birth of Electron-Positron Collisions](#) (with G. Pancheri), *International Newsletter. Forum on International Physics – The American Physical Society* (December 31 2009) 16–18

The origins of Quantum Electrodynamics from Einstein to Jordan and Dirac (in Italian), *La Fisica nella Scuola*, Quaderno 19 (2009) 1–43

[Bruno Touschek vs Machine Builders. AdA, the first matter-antimatter collider](#), *La Rivista del Nuovo Cimento* 28 (11) (2005) 1–60

Prelude to the bomb. From the discovery of X rays to the discovery of fission (in Italian), *La Fisica nella Scuola*, *Quaderno* 17 (2005) 120-136

Wolfgang Pauli, Enrico Fermi and the mysteries of beta decay (in Italian), *La Fisica nella Scuola*, *Quaderno* 17 (2005) 100–119

The coming of abstract mathematics in the 20th century theoretical physics (in Italian), *La Fisica nella Scuola*, *Quaderno* 17 (2005) 120–136

[Bruno Pontecorvo, from slow neutrons to oscillating neutrinos](#), *American Journal of Physics* 73 (2005) 487–499

[From the Rise of the Group Concept to the Stormy Onset of Group Theory in the New Quantum Mechanics. A saga of the invariant characterization of physical objects, events and theories](#), *La Rivista del Nuovo Cimento* 27 (4-5) (2004) 1-110

Enrico Fermi and the sciences of the earth (with C. Bernardini), *Italian Journal of Engineering Geology and Environment* 2 (2003) 6

Giovannino Gentile, sixty years later (with C. Bernardini), *Il Nuovo Saggiatore* 18 (1-2) (2002) 7–13

Book Chapters

Astronomie, Astrophysik und die Erforschung des Weltraums (with Juan Andres Leon). In J. Kocka, C. Reinhardt, J. Renn et al. (eds.) *Die Max-Planck-Gesellschaft. Wissenschafts-und Zeitgeschichte 1945-2005* (Vandenhoeck & Ruprecht, Göttingen, 2024) 292–306

[Bruno Touschek \(1921-1978\). The path toward electron positron collisions: Sources and Bibliography](#). In *SISFA, Proceedings of the 41st Annual Conference, Arezzo, 6-9 September 2021* (Pisa University Press, 2022) 175–185

[Thinking Big: How Large-scale Detectors Set the Stage for the Emergence of Astro-particle Physics. A Short Survey](#) (with Juan Andres Leon). In: F. Bevilacqua and I. Gambaro (eds.) *Atti del XL Convegno SISFA – 2020. Online, 8-10 September 2020*. Pisa, Pisa University Press 2021, 171–177. ISBN: 978-883339-5173.

[Giovanni Gentile Junior. Physics as an Intellectual and Spiritual Adventure](#). In L. Gariboldi, L. Bonolis, A. Testa *The Milan Institute of Physics. A Research Institute from Fascism to the Reconstruction* (Springer, Cham, 2022) 87–116

[Bruno Touschek \(1921-1978\). The path toward electron-positron collisions](#). In L. Bonolis, L. Maini, G. Pancheri (eds) *Bruno Touschek 100 Years. Memorial Symposium 2021* (Springer Proceedings in Physics, vol. 287. Springer, Cham, 2023) 9–31

[Gravitational-Wave Research as an Emerging Field in the Max Planck Society: The Long Roots of GEO600 and of the Albert Einstein Institute](#) (with Juan-Andres Leon). In A. Blum, R. Lalli, J. Renn (eds.) *The Renaissance of General Relativity in Context*, Einstein Studies Vol 16 (Birkäuser, Cham, 2020) 285–361

[How relativistic astrophysics bubbled up from post-WWII science. A preliminary survey](#). In: A. La Rana and P. Rossi (eds.) *Atti del XXXIX Convegno annuale, Proceedings of the 39th Annual Conference ; Pisa, 9-12 Settembre 2019; Società Italiana degli Storici della Fisica e dell'Astronomia (SISFA)*. Pisa University Press, Pisa, 2020, 159–170. ISBN: 9788833394022.

[Touschek, Bruno](#) (with Giulia Pancheri). In *Dizionario Biografico degli Italiani* Vol. 96 (Istituto della Enciclopedia Italiana 2019)

[The Renaissance of General Relativity in Rome: Main Actors, Research Programs and Institutional Structures](#) (with R. Lalli and A. La Rana). In M. Bianchi, R. T. Jantzen, R. Ruffini (eds), *On Recent Developments in Theoretical and Experimental General Relativity, Astrophysics, and Relativistic Field Theories. Proceedings of the MG14 Meeting on General Relativity University of Rome “La Sapienza”, Italy, 12–18 July 2015* (World Scientific, Singapore, 2017) 3372–3377, ISBN: 9789813226593,

[The beginning of Edoardo Amaldi's interest in gravitation experiments and in gravitational wave detection](#) (with A La Rana). In M. Bianchi, RT. Jantzen, R. Ruffini (eds.) *On Recent Developments in Theoretical and Experimental General Relativity, Astrophysics, and Relativistic Field Theories. Proceedings of the MG14 Meeting on General Relativity Sapienza University of Rome, Italy, 12-18 July 2015*. World Scientific, Singapore (2017) 3378–3383 ISBN: 9789813226593,

[Rossi, Bruno Benedetto](#). In *Dizionario Biografico degli Italiani* Vol. 88 (Istituto della Enciclopedia Italiana 2017)

Bruno Rossi and Domenico Pacini, the pioneers of cosmic rays in Italy (in Italian). In M. Cattaneo (ed.), *150 years of science in Italy* (Codice 2011) 143–156

Unraveling the Nature of Cosmic Rays. Bruno Rossi and the Spread and Developments of Experimental Practices and Scientific Collaborations in Cosmic-Ray Physics before World War II. In A. Roca-Rosel (ed), *Proceedings of the 4th International Conference of the European Society for the History of Science, Barcelona, 18-20 November 2010*, 799–804

At the origins of space physics. In E. Giannetto, G. Giannini, M. Toscano (eds.), *Relatività, Quanti, Chaos e altre Rivoluzioni della Fisica. Atti del XXVII Congresso Nazionale di Storia della Fisica e dell'Astronomia, Bergamo 2007* (Guaraldi 2010) 351–356

First hints of electromagnetic showers in Bruno Rossi's notebooks. In E. Giannetto, G. Giannini, D. Capecchi, R. Pisano (eds), *Da Archimede a Majorana: la fisica nel suo divenire*, Quaderni del CE.R.CO. 4 (Guaraldi 2009) 339–350

Leonardo Sinisgalli and the guys from via Panisperna (in Italian) (with D. Cocolicchio and B. Russo). In G. I. Bischi e P. Nastasi (eds.), *Un "Leonardo" del Novecento: Leonardo Sinisgalli (1908-1981)*, *Priestem/Storia* 23-24 (2009) 1–60

The Nobel Prizes 2004 for Physics and the theory of asymptotic freedom for strong interactions (in Italian, with D. Cocolicchio), *Proceedings of the XXV National Congress on the History of Physics and Astronomy* (Milano, SISFA 2008) C04.1–C04.7

Giovanni Gentile Jr. at Milan University, *Proceedings of the XXV National Congress on the History of Physics and Astronomy* (Milano, SISFA 2008) C03.1–C03.6

Bruno Touschek and the genesis of an idea: AdA, the first storage ring for electrons and positrons. In M. Leone et al. (eds.) *Fermi's and Majorana's Legacy and other issues* (Bibliopolis, 2007) 217–222

Hermann Weyl, Ettore Majorana, Bruno Pontecorvo. In M. Leone et al. (eds.) *Fermi's and Majorana's Legacy and other issues* (Bibliopolis 2007) 171–176

Similitude, homogeneity and physical dimensions: the Buckingham theorem (in Italian). In M. Fasano e R. Grande (eds.), *Proceedings of the IV National Meeting on Mathematics, scientific education and new technologies*, (Editrice Ermes, 2007) 5–15

1904. One year before Einstein: The Conference of Sciences and Arts in St. Louis (in Italian). In: L. Bonolis (ed.), F. Balibar, *Einstein 1905. From ether to quanta* (Kami 2005) 117–157

Group Theory in Physics (in Italian). In: E. Bellone (ed.), *Encyclopaedia La Scienza*, Vol. 14 (UTET 2005) 263–291

Giovanni Gentile and Ettore Majorana. The appearance of group theory in Italian theoretical physics. In N. Robotti, A. Paoletti, M. Leone, P. Tucci (eds.), *Proceedings of the XII National Congress of History of Physics and Astronomy (Genova-Chiavari - 6/8 June 2002)* (Italian Institute of Philosophical Studies, Naples, 2004) 117–235

[Enrico Fermi's scientific work. A chronological analysis](#). In: C. Bernardini and L. Bonolis (eds.), *Enrico Fermi, his work and legacy* (Società Italiana di Fisica and Springer Verlag 2004) 314–393

History of publishing houses: Umberto Allemandi, Anabasi, Edizioni Scientifiche Italiane, Gremese, Guanda, Il Pensiero Scientifico, Istituto della Enciclopedia Italiana, Jaca Book, Muzzio, Piemme, UTET. In: *Storia dell'Editoria d'Europa*, vol. II (Shakespeare & Company Futura 1995, pages 885)

Research profiles of Nobel Laureates (Lindau Nobel Laureate Meetings – Mediateque)

[Alfvén, Hannes Olof Gösta – Nobel Prize in Physics 1970](#)

Blackett, Patrick Maynard Stuart – Nobel Prize in Physics 1948
Bloch, Felix – Nobel Prize in Physics 1952
Bragg, William Lawrence – Nobel Prize in Physics 1915
Chandrasekhar, Subramanyan – Nobel Prize in Physics 1983
Cockcroft, John – Nobel Prize in Physics 1951
Crick, Francis Harry Compton – Nobel Prize in Physiology or Medicine 1962
Crutzen, Paul Jozef – Nobel Prize in Chemistry 1995
Curl, Robert Floyd Jr. – Nobel Prize in Chemistry 1996
Ernst, Richard Robert – Nobel Prize in Chemistry 1991
Giacconi, Riccardo – Nobel Prize in Physics 2002
Goeppert-Mayer, Maria – Nobel Prize in Physics 1963
Hahn, Otto – Nobel Prize in Chemistry 1944
Hevesy, George Carl – Nobel Prize in Chemistry 1943
Hewish, Anthony - Nobel Prize in Chemistry – Nobel Prize in Physics 1974
Hodgkin, Dorothy Crowfoot – Nobel Prize in Chemistry 1964
Hofstadter, Robert – Nobel Prize in Physics 1961
Jensen, Johannes Hans Daniel – Nobel Prize in Physics 1963
Joliot, Frédéric – Nobel Prize in Chemistry 1935
Joliot Curie, Irène – Nobel Prize in Chemistry 1935
Kapitza, Pyotr Leonidovich – Nobel Prize in Physics 1978
Kendrew, John Cowdery – Nobel Prize in Chemistry 1962
Klug, Aaron – Nobel Prize in Chemistry 1982
Koshiba, Masatoshi – Nobel Prize in Physics 2002
Kroto, Harold W. – Nobel Prize in Chemistry 1996
Laue, Max von – Nobel Prize in Physics 1914
Libby, Willard Frank – Nobel Prize in Chemistry 1960
McMillan, Edwin Mattison – Nobel Prize in Chemistry 1951
Molina, Mario Jos – Nobel Prize in Chemistry 1995
Paul, Wolfgang – Nobel Prize in Physics 1989
Pauling, Linus Carl – Nobel Prize in Chemistry 1954
Perutz, Max Ferdinand – Nobel Prize in Chemistry 1962
Powell, Cecil Frank – Nobel Prize in Physics 1950
Purcell, Edward Mills – Nobel Prize in Physics 1959
Rabi, Isidor Isaac – Nobel Prize in Physics 1944
Rowland, Frank Sherwood – Nobel Prize in Chemistry 1995
Segrè, Emilio Gino – Nobel Prize in Physics 1959
Soddy, Frederick – Nobel Prize in Chemistry 1921
Stern, Otto – Nobel Prize in Chemistry 1943
Thomson, George Paget – Nobel Prize in Physics 1937
Urey, Harold Clayton – Nobel Prize in Chemistry 1934
Walton, Ernest Thomas Sinton – Nobel Prize in Physics 1951
Watson, James Dewey – Nobel Prize in Physiology or Medicine 1962
Wilkins, Maurice Hugh Frederick – Nobel Prize in Physiology or Medicine 1962
Yalow, Rosalyn Sussman – Nobel Prize in Physiology or Medicine 1977

Preprints & Reports

Bruno Touschek Remembered. 1921-2021. Bibliography and Sources, 11 December 2021. [arxiv:2111.00625](https://arxiv.org/abs/2111.00625)

Gravitational-wave research as an emerging field in the Max Planck Society. The long roots of GEO600 and of the Albert Einstein Institute (with Juan Andres Leon), 29 October 2020. [arXiv:2003.00941](https://arxiv.org/abs/2003.00941)

Bruno Touschek in Glasgow. The making of a theoretical physicist (with Giulia Pancheri), 11 May 2020. [arXiv:2005.04942](https://arxiv.org/abs/2005.04942)

Bruno Touschek in Germany after the War: 1945-46 (with Giulia Pancheri), 20 October 2019. Report INFN - 19-17/LNF, Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali di Frascati, and MIT-CTP/5150, 10 October, 2019. [arXiv:1910.09075](https://arxiv.org/abs/1910.09075)

Touschek with AdA in Orsay and the first direct observation of electron-positron collisions (with Giulia Pancheri), 31 December, 2018. [arXiv:1812.11847](https://arxiv.org/abs/1812.11847). Report INFN - 18-12/LNF, Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali di Frascati, December 31, 2018

Bruno Touschek and AdA: from Frascati to Orsay. In memory of Bruno Touschek, who passed away 40 years ago, on May 25th, 1978 (with Giulia Pancheri), 23 May, 2018. [arXiv:1805.09434](https://arxiv.org/abs/1805.09434). Report INFN - 18-05/LNF, Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali di Frascati, May 25, 2018

The path to high-energy electron-positron colliders: from Widerøe's betatron to Touschek's AdA and to LEP (with Giulia Pancheri), 24 October, 2017. [arXiv:1710.09003](https://arxiv.org/abs/1710.09003)

Birth of colliding beams in Europe, two photon studies at Adone (with Giulia Pancheri), to be published in *Journal of Physics: Conference Series*, Proceedings of PHOTON 2015: International Conference on the Structure and the Interactions of the Photon, Novosibirsk, Russia, 15–19 June, 2015. [arxiv:1511.00453](https://arxiv.org/abs/1511.00453)

Bruno Rossi and Cosmic Rays: From Earth laboratories to Physics in Space, 27 October, 2011. [arXiv:1110.6206](https://arxiv.org/abs/1110.6206)

Organization of conferences and exhibitions

Collaboration with the National Institute of Nuclear Physics, the Committee and the Executive Council for the celebrations of Enrico Fermi's birth centennial. Project included preliminary work for the International Congress as well as the exhibition *Enrico Fermi and the Universe of Physics*, held in Rome both at the Teatro dei Dioscuri and the Accademia Nazionale dei Lincei from 29th September to 2nd October 2001.

Has contributed to the preliminary work for the organization of the Conference *Enrico Fermi and astrophysics*, at the International Center of Relativistic Astrophysics (ICRA), Pescara, 3rd October 2001.

Organization of the Conference *Carlo Bernardini: particle physics and scientific culture in Italy* (with F. Guerra, G. Jona-Lasinio, L. Maiani), Sapienza University, Physics Department, Rome, December 5, 2005.

Organization of the Workshop *Giovanni Gentile Jr.: physics and culture in the thirties*, Pisa, Domus Galilaeana, December 16, 2005.

Organization of the meeting *Bruno Touschek Memorial Lectures* (with H. Bilokon, D. Babusci, G. Pancheri), Frascati National Laboratories, December 9, 2009.

Organization of the Meeting *Bruno Touschek Memorial Lectures* (with H. Bilokon, D. Babusci, G. Pancheri), Frascati National Laboratories, Frascati, November 30, 2010.

Organization (with M. Leone) of the *Symposium Internationalism of physics during the 1920s and 1930s: formation of a European research net and its impact in the development and dissemination of the European scientific culture*, 4th International Conference of the European Society for the History of Science (Barcelona, 18-20 November 2010).

Organization of the Meeting *Bruno Touschek Memorial Lectures* (with H. Bilokon, D. Babusci, G. Pancheri), Frascati National Laboratories, Frascati, 1 December 2011.

Organization (with G. Mussardo) of the Workshop *Communicating Science, Thinking about its History*, International School for Advanced Studies, Trieste, 25 January, 2013.

Member of the organizing committee of the Conference *Bruno Pontecorvo: the Scientist and the Man*, Roma, 11-12 September 2013, Sapienza University of Rome.

Member of the organizing committee of the Workshop *Thermonuclear Fusion, Space Exploration and Frontier Research in Astrophysics: History and Obstacles*, Department of Astronautical, Electrical and Energy Engineering, Sapienza University of Rome, 2 March 2016.

Member of the organizing committee of the Workshop *Opening New Windows on the cosmos: Astrophysics and Astronomy in the history of the Max Planck Society*, Max Planck Institute for the History of Science, Berlin, 6-8 September 2016.

Organization (with Virginia Trimble and Jürgen Renn) of the Special Session *Relativity at 100* at the European Week of Astronomy and Space Science, Prague 28 June 2017.

Member of the organizing committee of the Workshop *CERN History Days. Relaunching the CERN History Project*, CERN, Geneva, 1-2 February 2018.

Organization (with Norbert Scharrel) of the Historical Session within the Celebration Event: *XMM-Newton, 20 years from launch*, held at the European Space Astronomy Center, Villanueva de la Cañada (Madrid), Spain, 10-11 December 2019.

Organization (with Adele La Rana and Roberto Lalli) of the on-line Workshop *Observing, sensing, detecting: Toward a multi-layered picture of the Universe from historical and epistemological perspectives*, 4-5 February 2021, and of the Round Table *Probing the cosmos in the time of multiplicity. A historical scientific dialogue*, with Barry Barish (University of California, Riverside), Reinhard Genzel (Max Planck Institute for Extraterrestrial Physics, Garching), Malcolm Longair (Cambridge University), Christian Spiering (DESY), Alan Watson (University of Leeds).

Member of the organizing committee of the international Memorial Symposium *Bruno Touschek 100 years* held at Physics Department of Sapienza University of Rome, Frascati National Laboratories and Accademia dei Lincei, on 2–4 December 2021.