Stefano Zippilli CURRICULUM VITAE, 27 Novembre, 2020

FORMAZIONE E TITOLI

- **07/01/2020**: ASN – Abilitazione scientifica nazionale – II fascia – Settore concorsuale 02/A2 – Fisica teorica delle interazioni fondamentali
- **30/12/2019**: ASN – Abilitazione scientifica nazionale – II fascia – Settore concorsuale 02/B2 – Fisica teorica della materia
- **15/05/2006**: Dottorato di ricerca in Fisica (voto: "sehr gut", ottimo) presso l'Università di Ulm (Germania).
  Thesis: "Dynamics of cold atoms in an optical cavity". doi:10.18725/OPARU-455
- **18/06/2002**: Laurea in Fisica (voto: 110/110 cum laude), presso l'Università degli Studi di Camerino.

ATTIVITÀ SCIENTIFICHE

- **Dal 01/07/2018** Collaboratore per attività di supporto alla ricerca presso l'Università degli studi di Camerino.
  - Dal 01/03/2020 al 31/08/2020, ricerca realizzata nell'ambito (e finanziata con fondi) del progetto europeo (H2020 – FET Open) "Quantum readout techniques and technologies" (QUARTET).
  - Dal 01/07/2018 al 31/07/2019, ricerca realizzata nell'ambito (e finanziata con fondi) del progetto europeo (H2020 – FET Proactive) "Hybrid Optomechanical Technologies" (HOT).
- **Dal 03/06/2014 al 02/06/2018**: Assegnista di ricerca presso l'Università degli studi di Camerino.
  - Dal 01/07/2014 al 02/06/2015 e dal 23/06/2016 al 02/06/2018, associato INFN, Sezione di Perugia, quale assegnista non INFN; Gruppo CSN II; Esperimento HUMOR
- **Dal 02/05/2011 al 31/05/2014**: Assegnista di ricerca presso l'Università degli studi di Salerno.
  - Ricerca realizzata nell'ambito (e finanziata con fondi) dei progetti europei (FP7-ICT) "Integrated quantum information technology" (IQIT) e "Hybrid information processing" (HIP).
- **Dal 15/03/2010 al 31/03/2011**: Contratto di ricerca ("postdoctoral researcher") presso la "Technische Universität Kaiserslautern", Germania.
  - Dal 15/03/2010 al 15/09/2010, ricerca realizzata nell'ambito (e finanziata con fondi) del progetto europeo (FP6-MOBILITY) "Engineering, manipulation and characterization of Quantum States of matter and light" (EMALI).
- **Dal 01/01/2010 al 28/02/2010**: Contratto di ricerca ("postdoctoral researcher") presso la "Universität des Saarlandes", Germania.
- **Dal 01/12/2006 al 30/11/2009**: Contratto di ricerca ("postdoctoral researcher") presso la "Universitat Autònoma de Barcelona", Spagna.
  - Finanziato con una fellowship individuale del programma "Juan de La Cierva" del "Ministerio de Educacion y Ciencias" (Governo spagnolo).
- **Dal 03/02/2006 al 30/11/2006**: Contratto di ricerca ("postdoctoral researcher") presso l'ICFO–"Institut de Ciències Fotòniques" di Barcellona, Spagna.
  - Ricerca realizzata nell'ambito (e finanziata con fondi) del progetto europeo (FP6-IST) "Scalable Quantum computing with Light and Atoms" (SCALA).
- **2003-2006**: Dottorando presso l'Universitá di Ulm, Germania.
  - Ricerca realizzata nell'ambito (e finanziata con fondi) del progetto europeo (FP5-IST) "Quantum Gates and Elementary Scalable Processors Using Deterministically Addressed Atoms" (QGATES).

ATTIVITÀ DIDATTICHE

- **2020:** Professore a contratto per l'insegnamento di Matematica per il corso di geologia [120 ore] presso l'Università degli studi di Camerino.
- **2018-2019:** Professore a contratto per l'insegnamento di Matematica per i corsi di geologia e biotecnologia [120 ore] presso l'Università degli studi di Camerino.
- **2009:** Insegnamento di "Interacció Lum Matèria" (Interazione luce materia) [15 ore], "Universitat Autònoma de Barcelona", Spagna.
- **2008:**
  - Insegnamento di "Laboratory d'Òptica" (Laboratorio di ottica) [15 ore], "Universitat Autònoma de Barcelona", Spagna.
  - Insegnamento di "Inetacció Lum Matèria" (Interazione luce materia) [15 ore], "Universitat Autònoma de Barcelona", Spagna.
- **2007:** Insegnamento di "Laboratory d'Òptica" (Laboratorio di ottica) [30 ore], "Universitat Autònoma de Barcelona", Spagna.

TESI SUPERVISIONATE

- **2018-2019** correlatore, con la Dr. Irene Marzoli, della tesi di laurea magistrale in Fisica, presso l'Università degli studi di Camerino, di Giacomo Serafini. Titolo: "Optomechanical Stirling engine with feedback-controlled light". Discussa il 29/10/2019.
- **2017-2018** correlatore, con il Prof. David Vitali, della tesi di laurea magistrale in Fisica, presso l'Università degli studi di Camerino, di Giulia Vittoria De Angelis. Titolo: "Optomechanical heat engines with feedback controlled light". Discussa il 23/10/2018.

PREPRINTS

[a.42] • *Dissipative engineering of Gaussian entangled states in harmonic lattices with a single-site squeezed reservoir*
Stefano Zippilli and David Vitali, arXiv:2008.02539 (2020).

PUBBLICAZONI

[a.41] • *Possibility to generate any Gaussian cluster state by a multi-mode squeezing transformation*
Stefano Zippilli and David Vitali, Accepted for publication in Phys. Rev. A (2020).
arXiv:2007.12772

[a.40] • *Optomechanical Stirling heat engine driven by feedback-controlled light*
Giacomo Serafini, Stefano Zippilli, Irene Marzoli, Phys. Rev. A **102**, 053502 (2020).
doi:10.1103/PhysRevA.102.053502
arXiv:2006.14658

[a.39] • *Noise robustness of synchronization of two nanomechanical resonators coupled to the same cavity field*,
Wenlin Li, Paolo Piergentili, Jie Li, Stefano Zippilli, Riccardo Natali, Nicola Malossi, Giovanni Di Giuseppe, and David Vitali, Phys. Rev. A **101**, 013802 (2020).
doi:10.1103/PhysRevA.101.013802
arXiv:1912.03353

[a.38] • *Optomechanical cooling with intracavity squeezed light*,
Muhammad Asjad, Najmeh Etehadi Abari, Stefano Zippilli, and David Vitali, Opt. Express **27**, 32427–32444 (2019).
doi:10.1364/OE.27.032427
arXiv:1906.00837

[a.37] • *An optomechanical heat engine with feedback-controlled in-loop light*,
Najmeh Etehadi Abari, Giulia Vittoria De Angelis, Stefano Zippilli, David Vitali, New J. Phys. **21**, 093051 (2019).
doi:10.1088/1367-2630/ab41e7
arXiv:1905.00312

[a.36] • *Two-membrane cavity optomechanics*,
Paolo Piergentili, Letizia Catalini, Mateusz Bawaj, Stefano Zippilli, Nicola Malossi, Riccardo Natali, David Vitali, Giovanni Di Giuseppe, New J. Phys. **20**, 083024 (2018).
doi:10.1088/1367-2630/aad85f
arXiv:1805.09699

[a.35] • *Cavity optomechanics with feedback–controlled in–loop light*,
Stefano Zippilli, Nenad Kralj, Massimiliano Rossi, Giovanni Di Giuseppe, David Vitali, Phys. Rev. A **98**, 023828 (2018).
doi:10.1103/PhysRevA.98.023828
arXiv:1806.02648

[a.34] • *Normal–mode splitting in a weakly coupled optomechanical system*,
Massimiliano Rossi, Nenad Kralj, Stefano Zippilli, Riccardo Natali, Antonio Borrielli, Gregory Pandraud, Enrico Serra, Giovanni Di Giuseppe, and David Vitali, Phys. Rev. Lett.**120**, 073601 (2018).
doi:10.1103/PhysRevLett.120.073601
arXiv:1708.05883

[a.33] • *Enhancing sideband cooling by feedback–controlled light*,
Massimiliano Rossi, Nenad Kralj, Stefano Zippilli, Riccardo Natali, Antonio Borrielli, Gregory Pandraud, Enrico Serra, Giovanni Di Giuseppe, and David Vitali, Phys. Rev. Lett. **119**, 123603 (2017).
doi:10.1103/PhysRevLett.119.123603
arXiv:1704.04556

[a.32] • *Enhancement of three-mode optomechanical interaction by feedback-controlled light*,
Nenad Kralj, Massimiliano Rossi, Stefano Zippilli, Riccardo Natali, Antonio Borrielli, Gregory Pandraud, Enrico Serra, Giovanni Di Giuseppe, and David Vitali, Quantum Sci. Technol. **2**, 034014 (2017).
doi:10.1088/2058-9565/aa7d7e
arXiv:1705.01345

[a.31] • *Enhanced entanglement of two different mechanical resonators via coherent feedback*,
Jie Li, Gang Li, Stefano Zippilli, David Vitali, and Tiancai Zhang, Phys. Rev. A **95**, (2017).
doi:10.1103/PhysRevA.95.043819
arXiv:1610.07261

[a.30] • *Suppression of Stokes scattering in optomechanical cooling with squeezed light*,
Muhammad Asjad, Stefano Zippilli, and David Vitali, Phys. Rev. A **94**, 051801 (2016).
doi:10.1103/PhysRevA.94.051801
arXiv:1606.09007

[a.29] • *Mechanical Einstein-Podolsky-Rosen entanglement with a finite-bandwidth squeezed reservoir*,
Muhammad Asjad, Stefano Zippilli, and David Vitali, Phys. Rev. A **93**, 062307 (2016).
doi:10.1103/PhysRevA.93.062307
arXiv:1603.02756

[a.28] • *Discriminating the effects of collapse models from environmental diffusion with levitated nanospheres*,
Jie Li, Stefano Zippilli, Jing Zhang, David Vitali, Phys. Rev. A **93**, 050102 (2016).
doi:10.1103/PhysRevA.93.050102
arXiv:1508.00466

[a.27] • *Generation and detection of large and robust entanglement between two different mechanical resonators in cavity optomechanics*,
Jie Li, Iman Moaddel Haghighi, Nicola Malossi, Stefano Zippilli, David Vitali, New. J. Phys. **17**, 103037 (2015).
doi:10.1088/1367-2630/17/10/103037
arXiv:1506.03126

[a.26] • *Steady-state nested entanglement structures in harmonic chains with single-site squeezing manipulation*,
Stefano Zippilli, Jie Li, and David Vitali, Phys. Rev. A. **92**, 032319 (2015).
doi:10.1103/PhysRevA.92.032319
arXiv:1507.02836

[a.25] • *Large Distance Continuous Variables Communication with Concatenated Swaps*,
Muhammad Asjad, Stefano Zippilli, Paolo Tombesi, and David Vitali, Phys. Scr. **90**, 074055 (2015).
doi:10.1088/0031-8949/90/7/074055
arXiv:1411.7216

[a.24] • *Entanglement and squeezing of continuous-wave stationary light*,
Stefano Zippilli, Giovanni Di Giuseppe, David Vitali, New. J. Phys. **17**, 043025 (2015).
doi:10.1088/1367-2630/17/4/043025
arXiv:1411.5609

[a.23] • *Simulating ground-state long distance entanglement in spin models with superconducting flux qubits*,
Stefano Zippilli, Miroslav Grajcar, Evgeni Il'ichev, Fabrizio Illuminati, Phys. Rev. A **91**, 022315 (2015).
doi:10.1103/PhysRevA.91.022315
arXiv:1410.5444

[a.22] • *Adiabatic quantum simulation with a segmented ion trap: Application to long-distance entanglement in quantum spin systems*,
Stefano Zippilli, Michael Johanning, Salvatore Marco Giampaolo, Christof Wunderlich, Fabrizio Illuminati, Phys. Rev. A **89**, 042308 (2014).
doi:10.1103/PhysRevA.89.042308
arXiv:1304.0261

[a.21] • *Non-Markovian dynamics and steady-state entanglement of cavity arrays in finite-bandwidth squeezed reservoirs*,
Stefano Zippilli, Fabrizio Illuminati, Phys. Rev. A **89**, 03380 (2014).
doi:10.1103/PhysRevA.89.033803
arXiv:1401.8241

[a.20] • *Stationary entanglement of photons and atoms in a high-finesse resonator*,
Hessam Habibian, Stefano Zippilli, Fabrizio Illuminati, Giovanna Morigi, Phys. Rev. A **89**, 023832 (2014).
doi:10.1103/PhysRevA.89.023832
arXiv:1311.2778

[a.19] • *Surface Entanglement in Quantum Spin Networks*,
Stefano Zippilli, Salvatore Marco Giampaolo, Fabrizio Illuminati, Phys. Rev. A **87**, 042304 (2013).
doi:10.1103/PhysRevA.87.042304
arXiv:1302.1205

[a.18] • *Entanglement replication in driven-dissipative many body systems*,
Stefano Zippilli, Mauro Paternostro, Gerardo Adesso, Fabrizio Illuminati, Phys. Rev. Lett. **110**, 040503 (2013).
doi:10.1103/PhysRevLett.110.040503
Erratum: Entanglement Replication in Driven Dissipative Many-Body Systems [Phys. Rev. Lett. 110, 040503 (2013)], Phys. Rev. Lett. **111**, 169901 (2013).
doi:10.1103/PhysRevLett.111.169901
arXiv:1204.5713

[a.17] • *Quantum light by atomic arrays in optical resonators*,
Hessam Habibian, Stefano Zippilli, Giovanna Morigi, Phys. Rev. A **84**, 033829 (2011).
doi:10.1103/PhysRevA.84.033829
arXiv:1104.0182

[a.16] • *Quantum-noise quenching in quantum tweezers*,
Stefano Zippilli, Bernd Mohring, Eric Lutz, Giovanna Morigi, Wolfgang Schleich, Phys. Rev. A (Rapid Communications) **83**, 051602 (2011).
doi:10.1103/PhysRevA.83.051602
arXiv:1011.1114

[a.15] • *Quantum jumps induced by the center-of-mass motion of a trapped atom*,
J. Mauricio Torres, Marc Bienert, Stefano Zippilli, Giovanna Morigi, Eur. Phys. J. D, **61**, 21 (2011).
doi:10.1140/epjd/e2010-10387-4
arXiv:1007.0694

[a.14] • *Ground-state cooling the vibrations of suspended carbon-nanotubes with constant electron current*,
Stefano Zippilli, Adrian Bachtold, Giovanna Morigi, Phys. Rev. B **81**, 205408 (2010).
doi:10.1103/PhysRevB.81.205408
arXiv:1003.3816

[a.13] • *Two-photon lasing by a single quantum dot in a high-Q microcavity*,
Elena del Valle, Stefano Zippilli, Fabrice P. Laussy, Alejandro Gonzalez-Tudela, Giovanna Morigi, Carlos Tejedor, Phys. Rev. B **81**, 035302 (2010).
doi:10.1103/PhysRevB.81.035302
arXiv:0907.1861

[a.12] • *Cooling Carbon Nanotubes to the Phononic Ground State with a Constant Electron Current*,
Stefano Zippilli, Giovanna Morigi, Adrian Bachtold, Phys. Rev. Lett. **102**, 096804 (2009).
doi:10.1103/PhysRevLett.102.096804
arXiv:0811.2942

[a.11] • *Entanglement of distant atoms by projective measurement: the role of detection efficiency*,
Stefano Zippilli, Georgina A. Olivares-Rentería, Giovanna Morigi, Carsten Schuck, Felix Rohde, Jürgen Eschner, New J. Phys. **10**, 103003 (2008).
doi:10.1088/1367-2630/10/10/103003
arXiv:0806.1052

[a.10] • *Nonlinear optics with two trapped atoms*,
Sonia Fernández-Vidal, Stefano Zippilli, Giovanna Morigi, Phys. Rev. A **76**, 053829 (2007).
doi:10.1103/PhysRevA.76.053829
arXiv:0708.1390

[a.9] • *Resonance fluorescence of a cold atom in a high-finesse resonator*,
Marc Bienert, J. Mauricio Torres, Stefano Zippilli, Giovanna Morigi, Phys. Rev. A **76**, 013410 (2007).
doi:10.1103/PhysRevA.76.013410
arXiv:quant-ph/0702053

[a.8] • *Ground state cooling in a bad cavity*,
Stefano Zippilli, Giovanna Morigi, Wolfgang P. Schleich, J. Mod. Optics **54**, 1595 (2007).
doi:10.1080/09500340600736843
arXiv:quant-ph/0603250

[a.7] • *Mechanical effects of optical resonators on driven trapped atoms: Ground state cooling in a high finesse cavity*,
Stefano Zippilli, Giovanna Morigi, Phys. Rev. A **72**, 053408 (2005).
doi:10.1103/PhysRevA.72.053408
arXiv:quant-ph/0508075

[a.6] • *Cooling trapped atoms in optical resonators*,
Stefano Zippilli, Giovanna Morigi, Phys. Rev. Lett. **95**, 143001 (2005).
doi:10.1103/PhysRevLett.95.143001
arXiv:quant-ph/0506030

[a.5] • *Forces and spatial ordering of driven atoms in a resonator in the regime of fluorescence suppression*,
Stefano Zippilli, Janos Asboth, Giovanna Morigi, Helmut Ritsch, Appl. Phys. B **79**, 969 (2004).
doi:10.1007/s00340-004-1660-x

[a.4] • *Collective effects in the dynamics of driven atoms in a high-Q resonator*,
Stefano Zippilli, Giovanna Morigi, Helmut Ritsch, Eur. Phys. J. D **31**, 507 (2004).
doi:10.1140/epjd/e2004-00137-8
arXiv:quant-ph/0402152

[a.3] • *Suppression of Bragg scattering by collective interference of spatially ordered atoms with a high-Q cavity mode*,
Stefano Zippilli, Giovanna Morigi, Helmut Ritsch, Phys. Rev. Lett. **93**, 123002 (2004).
doi:10.1103/PhysRevLett.93.123002
arXiv:quant-ph/0703184

[a.2] • *Decoherence control with fully quantum feedback scheme*,
David Vitali, Stefano Zippilli, Paolo Tombesi, Jean-Michel Raimond, J. Mod. Optics **51**, 799 (2004).
doi:10.1080/09500340408233597

[a.1] • *Scheme for decoherence control in microwave cavities*,
Stefano Zippilli, David Vitali, Paolo Tombesi, Jean-Michel Raimond, Phys. Rev. A **67**, 052101 (2003).
doi:10.1103/PhysRevA.67.052101
arXiv:quant-ph/0211101

PRESENTAZIONI IN CONFERENZE WORKSHOPS MEETINGS

[c.33] • **14-19/05/2017:** CLEO: Conference on Lasers and Electro-Optics 2017, San Jose Convention Center, San Jose, California, USA.
TALK: *High-fidelity ground state cooling of a mechanical resonator via squeezed light driving*, David Vitali, Muhammad Asjad, Stefano Zippilli.

[c.32] • **05-07/04/2017:** Quantum Information and Measurement (QIM) - IV: Quantum Technologies, Université Pierre et Marie Curie, Paris, France.
TALK: *Quantum Enhanced optomechanical cooling with squeezed light*, David Vitali, Muhammad Asjad, Stefano Zippilli.

[c.31] • **17-22/01/2016:** 605. WE-Heraeus-Seminar on MACROSCOPIC ENTANGLEMENT - Physikzentrum Bad Honnef, Germany.
POSTER: *Entangling arrays of harmonic oscillators with squeezed light*, S. Zippilli.

[c.30] • **10-12/09/2015:** IQIS 2015 – 8th Italian Quantum Information Science Conference, Monopoli, Italy.
TALK: *Steady state entanglement in arrays of harmonic oscillators with application to opto-mechanical and electro-optical systems*, S. Zippilli.

[c.29] • **01-05/02/2015:** ANNUAL cQOM ITN WORKSHOP, Diavolezza, Switzerland.
TALK: *1. Entanglement and squeezing of continuous-wave stationary light. 2. Entanglement distribution along optomechanical and electro-optical chains*, S. Zippilli.

[c.28] • **27-29/04/2014:** Meeting of the european project IQIT, Billund, Denmark.
TALK: *Quantum Simulation of long distance entanglement with superconducting flux qubits*, S. Zippilli.

[c.27] • **23-27/09/2013:** IQIT Workshop, Corfu, Greece.
TALK: *Arrays of quantum systems in an entangled reservoir: steady-state entanglement replication in driven quantum many-body systems*, S. Zippilli.

[c.26] • **22-24/04/2013:** Meeting of the european project IQIT, Bratislava, Slovakia.
TALK: *Adiabatic quantum simulation with a segmented ion trap: Application to long-distance entanglement in quantum spin systems*, S. Zippilli.

[c.25] • **27-28/10/2012:** Meeting of the european project IQIT, Salerno, Italy.
TALK: *1. Long distance entanglement with trapped Ions (WP1). 2. Surface entanglement in spin networks. 3. Progresses on entanglement replication*, S. Zippilli.

[c.24] • **26-27/04/2012:** Meeting of the european project IQIT, Jena, Germany.
TALK: *Long distance entanglement distribution in quantum many-body systems*, S. Zippilli.

[c.23] • **13-18/03/2011:** Meeting of the German physical society (DPG Frühjahrstagung 2011), Dresden, Germany.
TALK: *Quantum-noise quenching in quantum tweezers*, S. Zippilli, B. Mohring, E. Lutz, W. Schleich, G. Morigi.

[c.22] • **21-25/02/2011:** Workshop on New "Trends in Quantum Dynamics and Quantum Entanglement", The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy.
POSTER: *Quantum-noise quenching in quantum tweezers*, S. Zippilli, B. Mohring, E. Lutz, W. Schleich, G. Morigi.

[c.21] • **19-23/10/2009:** GDR09 - Annual Meeting of the GDR-I GNT, Science and Applications of Graphene and Nanotubes, Coma-ruga (Catalonia), Spain.
POSTER: *Cooling Carbon Nanotubes to the Phononic Ground State with a Constant Electron Current*, S. Zippilli, G. Morigi, A. Bachtold.

[c.20] • **15-21/02/2009:** SCALA Conference 2009, Cortina, Italy.
POSTER: *Photonic interfaces based on single trapped atoms*, S. Zippilli, G. Morigi, G.A. Olivares-Renteíra, C. Schuck, F. Rohde, J. Eschner.

[c.19] • **04-09/02/2009:** CMMC Workshop, Obergurgl, Austria.
TALK: *Cavity cooling of trapped atoms and ions*, S. Zippilli, G. Morigi, A. Bachtold.

[c.18] • **02-03/02/2009:** QOIT Meeting, Madrid, Spain.
TALK: *Quantum optics with semiconductor devices*, S. Zippilli, G. Morigi E. del Valle, C. Tejedor, F.P. Laussy, A. Bachtold.

[c.17] • **14-16/09/2008:** 2nd Annual meeting of the European project EMALI, Copenhagen, Denmark.
TALK: *Engineering and control of quantum states of photons, atoms, electrons and phonons*, S. Zippilli.

[c.16] • **01-04/05/2008:** Workshop on modern trends in quantum optics and quantum information , Prague, Czech Republic.
TALK: *Engineering and control of quantum states of photons and atoms*, S. Zippilli, G. Morigi.

[c.15] • **02-05/10/2007:** 1st Annual meeting the European project EMALI, Heraklion, Greece.
TALK: *Quantum light sources with atoms, ions and quantum dots*, S. Zippilli, S. Fernandez Vidal, S. Rist, G. Morigi.

[c.14] • **17-22/06/2007:** CLEO Europe IQCE 2007, Munich, Germany.
POSTER: *Dynamics of cavity cooling of trapped atoms*, S. Zippilli, G. Morigi, M. Bienert, J.M. Torres.

[c.13] • **18-30/06/2006:** Workshop on Quantum-Classical Transition and Quantum Information, Benasque, Spain.
POSTER: *Collective dynamics of cold atoms in optical cavities*, S. Zippilli, S. Fernández-Vidal, J. Mompart, G. Morigi.

[c.12] • **13-17/03/2006:** Meeting of the German Physical Society (DPG Frühjahrstagung, Frankfurt 2006), Frankfurt, Germany.
TALK: *Cooling trapped atoms in optical resonators*, S. Zippilli, G. Morigi.

[c.11] • **12-17/06/2005:** CLEO-Europe EQEC 2005, München, Germany.
TALK: *Collective quantum dynamics of an atomic lattice coupled to an optical resonator*, G. Morigi, S. Zippilli, H. Ritsch.

[c.10] • **06-09/06/2005**: 12th CEWQO - Central European Workshop on Quantum Optics, Ankara, Turkey.
(link to IOP proceedings)
TALK: *Quantum dynamics of cold atoms in optical resonators*, S. Zippilli, G. Morigi, H. Ritsch.

[c.9] • **04-09/03/2005**: Meeting of the German physical society (DPG Frühjahrstagung 2005), Berlin, Germany.
POSTER: *Cooling atomic motion in an optical resonator*, S. Zippilli, G. Morigi.

[c.8] • **21-24/09/2004**: MIQOP - International Workshop on "Microcavities in Quantum Optics", Ringberg Castle, Tegernsee, Germany.
POSTER: *Motion of driven atoms in cavity in the regime of suppression of fluorescence*, S. Zippilli, J. Asboth, G. Morigi, H. Ritsch.

[c.7] • **21-24/09/2004**: MIQOP - International Workshop on "Microcavities in Quantum Optics", Ringberg Castle, Tegernsee, Germany.
POSTER: *Collective effects in the dynamics of driven atoms in a high-Q resonator*, G. Morigi, S. Zippilli, H. Ritsch.

[c.6] • **01-05/09/2004**: 333. Wilhelm and Else Heraeus-Seminar, "New Frontiers in Quantum Theory and Measurement" - Schloss Reisensburg, Günzburg, Germany.
POSTER: *Dynamics of transversally driven optical cavity*, S. Zippilli, G. Morigi, H. Ritsch.

[c.5] • **21-26/03/2004**: Meeting of the German physical society (DPG Frühjahrstagung 2004), München, Germany.
TALK: *Collective interference of N driven dipoles with a high-Q cavity mode*, S. Zippilli, G. Morigi, H. Ritsch.

[c.4] • **06-12/03/2004**: QUEST - International Conference, "Quantum information with Atoms, Ions and Photons" Conference, La Thuile, Italy.
POSTER: *Dynamics of transversally driven optical cavity*, S. Zippilli, G. Morigi, H. Ritsch.

[c.3] • **February 2004**: Ulm-Augsburg-Meeting, Augsburg, Germany.
TALK: *Collective interference of N driven atomic dipoles with a high-Q cavity mode*, S. Zippilli, G. Morigi, H. Ritsch.

[c.2] • **27/09 - 02/10/2003**: EURESCO Conference on Quantum Optics and Nanotechnology, Granada, Spain.
POSTER: *Interference effects in the dynamics of driven atoms coupled to a cavity mode*, S. Zippilli, G. Morigi.

[c.1] • **29/04 - 04/05/2003**: YEP Meeting 2003, Budmerice, Slovakia.
TALK: *Decoherence control in microwave cavities*, S. Zippilli, D. Vitali, P. Tombesi, J.M. Raimond.

ALTRO

- **Referee scientifico** per le riviste: Physical Review Letters, Physical Review A, Physical Review B, New Journal of Physics, Journal of the Optical Society of America B, Optics Express, Optics Communications, Physics Letters A, Physics A, European Physical Journal D, Scientific Reports.
- **Competenze linguistiche:**
  - Italiano: madre lingua,
  - Inglese: buona conoscenza scritta e parlata,
  - Spagnolo: buona conoscenza scritta e parlata.