

CURRICULUM VITAE of Stefano Gandolfi

Working Address:

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Academic History

- 1997: Liceo Scientifico/High school
- 2001: Diploma Universitario in Metodologie Fische/Laurea degree in Methodological Physics, University of Trento,
Thesis: *Study of liquid-vapor phase transition of a Lennard-Jones system with Monte-Carlo techniques* (in italian), supervisor dott. Francesco Pederiva,
Grade: 110/110 cum laude.
- 2003: Laurea triennale in fisica (B.S.), University of Trento,
Thesis: *Study of liquid-vapor phase transition of a Lennard-Jones system with Monte-Carlo techniques* (in italian), supervisor dott. Francesco Pederiva,
Grade 110/110 cum laude.
- 2004: Laurea Specialistica in fisica (M.S.), University of Trento,
Thesis: *Application of Auxiliary-Field Diffusion Monte Carlo to the study of properties of Oxygen isotopes* (in italian), supervisor dott. Francesco Pederiva,
Grade 110/110 cum laude.
- 2007: Dottorato di ricerca in fisica (Ph.D.) in Theoretical Physics, University of Trento,
Thesis: *The Auxiliary Field Diffusion Monte Carlo Method for nuclear physics and nuclear astrophysics* (in english), supervisor dott. Francesco Pederiva,
Grade 'Eccellente'.

Ph.D. thesis:

- "The Auxiliary Field Diffusion Monte Carlo Method for Nuclear Physics and Nuclear Astrophysics", arXiv:0712.1364.

Awards

- 2008: Winner of the "Premio Nazionale Sergio Fubini" by Istituto Nazionale di Fisica Nucleare (INFN) for the best INFN Ph.D. thesis during the Apr. 2007 - Apr. 2008 period.
- 2009: Awarded from University of Trento for the best Ph.D. thesis of the academic year 2006/2007.
- 2013: International Union of Pure and Applied Physics (IUPAP) Young Scientist Prize.

Professional Experience

- 2006: Assistant professor of "Nuclear and Subnuclear Physics" class, University of Trento.
- 10/2006–12/2006: collaboration with Prof. Kevin Schmidt in the Arizona State University.
- 12/2007–07/2009: *Research assignment* at S.I.S.S.A. (Italy).
- 08/2009–10/2011: *Postdoctoral research* at Los Alamos National Laboratory (LANL).
- 10/2011–present: *Staff scientist* in the Nuclear Theory group at Los Alamos National Laboratory (LANL).
- Referee for journals: Physical Review Letters, Physical Review B, Physical Review C, Physics Letters B, Nuclear Physics A, The Astrophysical Journal, Astronomy & Astrophysics, European Physical Journal D, Journal of Computational Methods in Physics, Journal of Physics: Conference Series, Canadian Journal of Physics.
- Grant proposal reviewer: National Science Foundation (NSF), Czech Science Foundation, National Science Center (Poland).
- Organizer of the INT Program "Advances in quantum Monte Carlo techniques for non-relativistic many-body systems", June 24 - August 2 2013, University of Washington, Seattle.

Invited talks and colloquia

1. 10/2006: *Quantum Monte Carlo calculation of symmetric nuclear matter*, 11th Conference on Problems in Theoretical Nuclear Physics, Cortona, Italy.
2. 02/2010: *Equation of State of neutron and nuclear matter*, Mini Symposium on Nuclear and Neutrino Astrophysics, March 4, 2010, Los Alamos, New Mexico.
3. 04/2010: *From few to many neutrons using Quantum Monte Carlo techniques*, INT Program 10-1, Simulations and Symmetries: Cold Atoms, QCD, and Few-hadron Systems, Institute for Nuclear Theory, University of Washington, Seattle, Washington.
4. 11/2010: *Neutron matter equation of state, symmetry energy, and neutron stars*, DNP10 meeting, November 2-6, 2010, Santa Fe, New Mexico.
5. 11/2010: *Cold Neutrons Confined in External Fields*, DNP10 meeting, November 2-6, 2010, Santa Fe, New Mexico.
6. 12/2010: *Quantum Monte Carlo study of strongly correlated Fermions: neutron matter and confined neutrons*, Triangle Nuclear Theory Colloquium, University of North Carolina at Chapel Hill, North Carolina.
7. 06/2011: *Ab-initio calculation of confined neutrons and implications for Skyrme models*, INT Program INT-11-2a, Extreme Computing and its Implications for the Nuclear Physics/Applied Mathematics/Computer Science Interface, Institute for Nuclear Theory, University of Washington, Seattle, Washington.
8. 06/2011: *Quantum Monte Carlo study of inhomogeneous neutron matter, symmetry energy, and neutron stars*, International Symposium on Nuclear Symmetry Energy, NuSYM11, Smith College in Northampton, Massachusetts.

9. 02/2012: *Properties and similarities of Fermions in nuclear physics, cold atoms and neutron stars*, Lectio magistralis, Physics PhD Workshop 2011-2012 and Opening of the Academic Year of the PhD School, University of Trento, Trento, Italy.
10. 04/2012: *Quantum Monte Carlo study of strongly interacting Fermi mixtures*, Research Frontiers in Ultra-Cold Atoms and Molecules: Unequal Mass Mixtures and Dipolar Molecules, ITAMP, Cambridge, Massachusetts.
11. 05/2012: *Quantum Monte Carlo study of inhomogeneous neutron matter and neutron stars*, The 11th International Conference on Nucleus-Nucleus Collisions, NN2012, San Antonio, Texas.
12. 06/2012: *Quantum Monte Carlo study of inhomogeneous neutron matter and neutron stars*, Horizons of Innovative Theories, Experiments, and Supercomputing in Nuclear Physics, HITES2012, New Orleans, Louisiana.
13. 06/2012: *Neutron matter, symmetry energy and neutron stars*, Elba XII Workshop - Electron-Nucleus Scattering XII, June 25-29, 2012, Marciana Marina, Isola d'Elba, Italy
14. 09/2012: *Properties of neutron matter, symmetry energy and neutron stars*, INT Program INT-12-3, Light nuclei from first principles, Institute for Nuclear Theory, University of Washington, Seattle, Washington.
15. 10/2012: *Neutron matter equation of state, symmetry energy and neutron stars*, Conference on Computational Physics (CCP2012), October 14-18, 2012, Kobe, Japan
16. 11/2012: *Neutron matter from low to high density: from cold atoms to neutron stars*, Physics and Astronomy Colloquium, Texas A&M University-Commerce, November 29, 2012.
17. 03/2013: *Microscopic Calculations of Neutron Matter*, Calcium Radius Experiment (CREX) Workshop at Jefferson Lab, March 17-19, 2013, Thomas Jefferson National Accelerator Facility, Newport News, VA.
18. 04/2013: *Properties of homogeneous and inhomogeneous neutron matter*, INT Program INT-13-1a, Computational and Theoretical Advances for Exotic Isotopes in the Medium Mass Region, Institute for Nuclear Theory, University of Washington, Seattle, Washington.
19. 05/2013: *Microscopic Calculations of Neutron Matter*, Nuclear Physics in Astrophysics (NPA-VI), May 19-24, 2013, Lisbon.
20. 06/2013: *Quantum Monte Carlo methods in nuclear physics: from Nuclei to Neutron Stars*, 25th International Nuclear Physics Conference (INPC 2013), June 2-7, 2013, Florence.
21. 07/2013: *Microscopic calculations of neutron matter*, 3rd International Symposium on Nuclear Symmetry Energy (NuSYM13), NSCL/FRIB, July 22 - 26, 2013, East Lansing, Michigan.
22. 09/2013: *Quantum Monte Carlo study of strongly interacting Fermi gases*, XVII International Conference on Recent Progress in Many-Body Theories, September 8-13, 2013, Rostock.
23. 05/2014: *Progresses in Microscopic Calculations of Nuclear and Neutron Matter*, Three-Body Forces: from Matter to Nuclei, May 5-9, 2014, ECT*, Trento.

Seminars and other talks

1. 06/2005: *Auxiliary Field Diffusion Monte Carlo calculation of neutron drops and oxygen isotopes*, University of Lecce, Italy.
2. 09/2006: *Quantum Monte Carlo calculation of symmetric nuclear matter*, University of Trento, Italy.
3. 11/2006: *Auxiliary Field Diffusion Monte Carlo calculation of symmetric nuclear matter*, Los Alamos National Laboratory, New Mexico.
4. 12/2006: *Auxiliary Field Diffusion Monte Carlo calculation of symmetric nuclear matter*, Argonne National Laboratory, Illinois.
5. 11/2007: *The Auxiliary Field Diffusion Monte Carlo Method for Nuclear Physics and Nuclear Astrophysics*, University of Trento, Italy.
6. 03/2008: *AFDMC for neutron matter and finite systems*, Meeting of the INFN Theory Collaboration PI31, ECT*, Trento, Italy.
7. 09/2008: *AFDMC Method for Nuclear Physics and Nuclear Astrophysics*, talk given during the CSN4 INFN Meeting for the awarding of "Premio Nazionale Sergio Fubini" by INFN for the best Ph.D. thesis during the Apr. 2007 - Apr. 2008 period, Rome, Italy.
8. 11/2008: *Recent progress in the calculation of nuclear matter*, Los Alamos National Laboratory, New Mexico.
9. 12/2009: *Quantum Monte Carlo calculation of neutron and nuclear matter, and of properties of neutron drops*, TRIUMF, Vancouver, Canada.
10. 07/2010: *Equation of state of nuclear matter and properties of neutron drops*, Los Alamos National Laboratory, New Mexico.
11. 11/2010: *From few to many neutrons using Quantum Monte Carlo techniques*, Topical Collaboration meeting, November 4, 2010, Santa Fe, New Mexico.
12. 12/2010: *Quantum Monte Carlo study of strongly correlated Fermions: neutron matter and confined neutrons*, Theory Seminar, Argonne National Laboratory, Illinois.
13. 01/2011: *Quantum Monte Carlo study of strongly correlated Fermions: neutron matter, neutron stars and cold atoms*, Theory Seminar, Jefferson Lab, Virginia.
14. 02/2011: *Quantum Monte Carlo study of strongly correlated Fermions: neutron matter, neutron stars and cold atoms*, Nuclear theory seminar, Los Alamos National Laboratory, New Mexico.
15. 04/2011: *Quantum Monte Carlo study of strongly correlated Fermions: neutron matter, neutron stars and cold atoms*, Physics Division Seminar, Argonne National Laboratory, Illinois.
16. 05/2011: *Quantum Monte Carlo study of inhomogeneous neutron matter and neutron stars*, Interdisciplinary Laboratory for Computational Science (LISC), Trento, Italy.
17. 06/2011: *Quantum Monte Carlo calculation of the EOS of neutron matter, symmetry energy, and neutron stars*, Collaboration Meeting and Workshop on Neutrino and Nuclear Astrophysics, Los Alamos, New Mexico.
18. 06/2011: *Ab-initio calculation of confined neutrons and implications for Skyrme models*, Annual UNEDF Collaboration Meeting, Michigan State University, East Lansing, Michigan.

19. 02/2012: *Recent progress and new challenges in computing properties of strongly correlated Fermi systems*, Interdisciplinary Laboratory for Computational Science (LISC), Trento, Italy.
20. 11/2012: *Properties of homogeneous and inhomogeneous neutron matter*, Nuclear Physics and Astronomy Seminar, Texas A&M University-Commerce, November 30, 2012.
21. 01/2013: *Properties of homogeneous and inhomogeneous neutron matter, and cold atoms*, Topical Collaboration and NUCLEI Scidac meeting, INT, Seattle, January 16-18, 2013.
22. 06/2013: *Neutron matter and neutron drops*, 2013 NUCLEI Collaboration Meeting, Indiana University, Bloomington IN, June 24-27, 2013.
23. 02/2013: *Microscopic Calculations of Homogeneous and Inhomogeneous Neutron Matter*, RIBF Nuclear Physics Seminars, RIKEN, Wako, Saitama, Japan.
24. 02/2013: *Quantum Monte Carlo study of strongly interacting Fermi gases*, University of Tokyo, Tokyo, Japan.

Publications

Regular articles:

1. S. Gandolfi, F. Pederiva, S. Fantoni, K. E. Schmidt, "Auxiliary Field Diffusion Monte Carlo calculation of properties of oxygen isotopes", *Phys. Rev. C* 73, 044304 (2006).
2. Stefano Gandolfi, Francesco Pederiva, Stefano Fantoni, Kevin E. Schmidt, "Quantum Monte Carlo calculations of symmetric nuclear matter", *Phys. Rev. Lett.* 98, 102503 (2007).
3. S. Gandolfi, F. Pederiva, S. Fantoni, K. E. Schmidt, "Auxiliary Field Diffusion Monte Carlo calculation of nuclei with $A < 40$ with tensor interactions", *Phys. Rev. Lett.* 99, 022507 (2007).
4. S. Gandolfi, F. Pederiva, S. a Beccara, "Monte Carlo Calculation for the neutron-rich Ca isotopes", *Eur. Phys. J. A*, 35, 207 (2008).
5. S. Gandolfi, A. Yu Illarionov, S. Fantoni, F. Pederiva, K. E. Schmidt, "Equation of state of superfluid neutron matter and the calculation of 1S_0 pairing gap", *Phys. Rev. Lett.* 101, 132501 (2008).
6. S. Gandolfi, A. Yu. Illarionov, K. E. Schmidt, F. Pederiva, S. Fantoni, "Quantum Monte Carlo calculation of the equation of state of neutron matter", *Phys. Rev. C* 79, 054005 (2009).
7. L. Dandrea, F. Pederiva, S. Gandolfi, M. H. Kalos, "Fermionic shadow wave function variational calculations of the vacancy formation energy in ^3He ", *Phys. Rev. Lett.* 102, 255302 (2009).
8. Alexandros Gezerlis, S. Gandolfi, K. E. Schmidt, J. Carlson, "Heavy-Light Fermion Mixtures at Unitarity", *Phys. Rev. Lett.* 103, 060403 (2009).
9. A. Ambrosetti, F. Pederiva, E. Lipparini, S. Gandolfi, "Quantum Monte Carlo study of the two-dimensional electron gas in presence of Rashba interaction", *Phys. Rev. B* 80, 125306 (2009).
10. S. Gandolfi, A. Yu. Illarionov, F. Pederiva, K. E. Schmidt, S. Fantoni, "Equation of state of low-density neutron matter and the 1S_0 pairing gap", *Phys. Rev. C* 80, 045802 (2009).
11. S. Gandolfi, A. Yu Illarionov, S. Fantoni, J.C. Miller, F. Pederiva, K.E. Schmidt, "Microscopic calculation of the equation of state of nuclear matter and neutron star structure", *Mon. Not. R. Astron. Soc.* 404, L35 (2010).
12. S. Gandolfi, J. Carlson, Steven C. Pieper, "Cold neutrons trapped in external fields", *Phys. Rev. Lett.* 106, 012501 (2011).
13. S. Gandolfi, K. E. Schmidt, J. Carlson, "BEC-BCS crossover and universal relations in unitary Fermi gases", *Phys. Rev. A* 83, 041601(R) (2011).
14. Michael McNeil Forbes, Stefano Gandolfi, Alexandros Gezerlis, "Resonantly Interacting Fermions In a Box", *Phys. Rev. Lett.* 106, 235303 (2011).
15. J. Carlson, Stefano Gandolfi, Kevin E. Schmidt, Shiwei Zhang, "Auxiliary Field quantum Monte Carlo for Strongly Paired Fermions", *Phys. Rev. A* 84, 061602(R) (2011).
16. A. W. Steiner, S. Gandolfi, "Connecting Neutron Star Observations to Three-Body Forces in Neutron Matter and to the Nuclear Symmetry Energy", *Phys. Rev. Lett.* 108, 081102 (2012).
17. S. Gandolfi, J. Carlson, Sanjay Reddy, "The maximum mass and radius of neutron stars and the nuclear symmetry energy", *Phys. Rev. C* 85, 032801(R) (2012).

18. M. B. Tsang, J. R. Stone, F. Camera, P. Danielewicz, S. Gandolfi, K. Hebeler, C. J. Horowitz, Jenny Lee, W. G. Lynch, Z. Kohley, R. Lemmon, P. Moller, T. Murakami, S. Riordan, X. Roca-Maza, F. Sammarruca, A. W. Steiner, I. Vidaa, S. J. Yennello, "Constraints on the symmetry energy and neutron skins from experiments and theory", *Phys. Rev. C* 86, 015803 (2012).
19. A. Yu. Illarionov, S. Fantoni, F. Pederiva, S. Gandolfi, K. E. Schmidt, "Determination of the finite temperature equation of state of dense matter", *Physics of Atomic Nuclei* 75, 866 (2012).
20. G. Shen, L.E. Marcucci, J. Carlson, S. Gandolfi, R. Schiavilla, "Inclusive neutrino scattering off deuteron from threshold to GeV energies", *Phys. Rev. C* 86, 035503 (2012).
21. J. Carlson, Stefano Gandolfi and Alexandros Gezerlis, "Quantum Monte Carlo Approaches to Nuclear and Atomic Physics", *Prog. Theor. Exp. Phys.* 1, A209 (2012).
22. Michael McNeil Forbes, Stefano Gandolfi, Alexandros Gezerlis, "Effective-Range Dependence of Resonantly Interacting Fermions", *Phys. Rev. A* 86, 053603 (2012).
23. Sascha Hoinka, Marcus Lingham, Kristian Fenech, Hui Hu, Chris J. Vale, Joaquin E. Drut, Stefano Gandolfi, "Precise determination of the structure factor and contact in a unitary Fermi gas", *Phys. Rev. Lett.* 110, 055305 (2013).
24. G. Shen, S. Gandolfi, S. Reddy, J. Carlson, "Spin Response and Neutrino Emissivity of Dense Neutron Matter", *Phys. Rev. C* 87, 025802 (2013).
25. D. Lonardoni, S. Gandolfi, F. Pederiva, "Effects of the two-body and three-body hyperon-nucleon interactions in Λ hypernuclei", *Phys. Rev. C* 87, 041303(R) (2013).
26. Pieter Maris, James P. Vary, S. Gandolfi, J. Carlson, Steven C. Pieper, "Properties of trapped neutrons interacting with realistic nuclear Hamiltonians", *Phys. Rev. C* 87, 054318 (2013).
27. A. Gezerlis, I. Tews, E. Epelbaum, S. Gandolfi, K. Hebeler, A. Nogga, A. Schwenk, "Quantum Monte Carlo Calculations with Chiral Effective Field Theory Interactions", *Phys. Rev. Lett.* 111, 032501 (2013).
28. Scott Bogner, Aurel Bulgac, Joseph A. Carlson, Jonathan Engel, George Fann, Richard J. Furnstahl, Stefano Gandolfi, Gaute Hagen, Mihai Horoi, Calvin W. Johnson, Markus Kortelainen, Ewing Lusk, Pieter Maris, Hai Ah Nam, Petr Navratil, Witold Nazarewicz, Esmond G. Ng, Gustavo P.A. Nobre, Erich Ormand, Thomas Papenbrock, Junchen Pei, Steven C. Pieper, Sofia Quaglioni, Kenneth J. Roche, Jason Sarich, Nicolas Schunck, Masha Sosonkina, Jun Terasaki, Ian J. Thompson, James P. Vary, Stefan M. Wild, "Computational Nuclear Quantum Many-Body Problem: The UNEDF Project", *Comp. Phys. Comm.* 184, 2235 (2013).
29. A. Lovato, S. Gandolfi, Ralph Butler, J. Carlson, Ewing Lusk, Steven C. Pieper, R. Schiavilla, "Charge form factor and sum rules of electromagnetic response functions in ^{12}C ", *Phys. Rev. Lett.* 111, 092501 (2013).
30. D. Lonardoni, F. Pederiva, S. Gandolfi, "Accurate determination of the interaction between Λ hyperons and nucleons from Auxiliary Field Diffusion Monte Carlo calculations", *Phys. Rev. C* 89, 014314 (2014).
31. G. Hagen, T. Papenbrock, A. Ekström, K. A. Wendt, G. Baardsen, S. Gandolfi, M. Hjorth-Jensen, C. J. Horowitz, "Coupled-cluster calculations of nucleonic matter", *Phys. Rev. C* 89, 014319 (2014).

32. S. Gandolfi, J. Carlson, S. Reddy, A. W. Steiner, R. B. Wiringa, "The equation of state of neutron matter, symmetry energy, and neutron star structure", *Eur. Phys. J. A* 50, 10 (2014).
33. Alessandro Lovato, Omar Benhar, Stefano Gandolfi, Cristina Losa, "Neutral current interactions of low-energy neutrinos in dense neutron matter", *Phys. Rev. C*, 89, 025804 (2014).
34. A. Lovato, S. Gandolfi, J. Carlson, Steven C. Pieper, R. Schiavilla, "Neutral weak current two-body contributions in inclusive scattering from ^{12}C ", *Phys. Rev. Lett.* 112, 182502 (2014).

Other articles:

1. S. Gandolfi, J. Carlson, "Heavy-Light Few Fermion Clusters at Unitarity", arXiv:1006.5186.
2. A. W. Steiner, S. Gandolfi, F. J. Fattoyev, W. G. Newton, "Using Neutron Star Observations to Determine Crust Thicknesses, Moments of Inertia, and Tidal Deformabilities", arXiv:1403.7546.

Proceedings and others:

1. S. Gandolfi, F. Pederiva, S. Fantoni, K. E. Schmidt, "Auxiliary Field Diffusion Monte Carlo Calculation of properties of Oxygen isotopes" in *THEORETICAL NUCLEAR PHYSICS IN ITALY*, Proceedings of the 10th Conference on Problems in Theoretical Nuclear Physics, Cortona, Italy 6 - 9 October 2004, (World Scientific 2005).
2. S. Gandolfi, F. Pederiva, S. Fantoni, K. E. Schmidt, "Quantum Monte Carlo calculations of symmetric nuclear matter" in *THEORETICAL NUCLEAR PHYSICS IN ITALY*, Proceedings of the 11th Conference on Problems in Theoretical Nuclear Physics, Cortona, Italy 11 - 14 October 2006, (World Scientific 2007).
3. S. Fantoni, S. Gandolfi, F. Pederiva, K. E. Schmidt, "Quantum Monte Carlo calculations for nuclei and nuclear matter", in *RECENT PROGRESS IN MANY-BODY THEORIES*, Proceedings of the 14th international conference, Barcelona, Spain 16 - 20 July 2007 (World Scientific 2007).
4. Stefano Fantoni, Stefano Gandolfi, Alexey Yu. Illarionov, Kevin E. Schmidt, Francesco Pederiva, "Monte Carlo approach to nuclei and nuclear matter", in *Sixth International Conference on Perspectives in Hadronic Physics*, ICTP, Trieste, Italy 12 - 16 May 2008, AIP Conf. Proc. 1056, 233 (2008).
5. Paolo Armani, Alexey Yu. Illarionov, Diego Lonardoni, Francesco Pederiva, Stefano Gandolfi, Kevin E. Schmidt, Stefano Fantoni, "Recent progress on the accurate determination of the equation of state of neutron and nuclear matter", *J. Phys.: Conf. Ser.* 336, 012014 (2011).
6. J. Carlson, S. Gandolfi, A. Gezerlis, "Superfluid Pairing in Neutrons and Cold Atoms", chapter in "50 Years of Nuclear BCS", edited by R. A. Broglia and V. Zelevinsky.
7. Stefano Gandolfi, "Quantum Monte Carlo study of inhomogeneous neutron matter", HITES 2012: 'Horizons of Innovative Theories, Experiments, and Supercomputing in Nuclear Physics' 4-7 June 2012, New Orleans, Louisiana, US, *J. Phys.: Conf. Ser.* 403, 012016 (2012).
8. Andrew W. Steiner, Tobias Fischer, Stefano Gandolfi, Matthias Hempel, "Neutron Star Radii, Core-collapse Supernovae, and the Equation of State of Dense Matter", Proceedings of the XII International Symposium on Nuclei in the Cosmos (NIC XII). Published online at <http://pos.sissa.it/cgi-bin/reader/conf.cgi?confid=146>, id.38.
9. Stefano Gandolfi, "The equation of state of neutron star matter and the symmetry energy", 11th International Conference on Nucleus-Nucleus Collisions (NN2012) 27 May to 1 June 2012, San Antonio, Texas, USA, *J. Phys.: Conf. Ser.* 420, 012150 (2013).

10. Andrew W. Steiner and Stefano Gandolfi, "Using neutron star mass and radius measurements to do nuclear physics", 11th Conference on the intersections of particle and nuclear physics: (CIPANP 2012), AIP Conference Proceedings 1560, 325 (2013).
11. Stefano Gandolfi, Andrew W. Steiner, "From nuclear structure to neutron stars", NPC 2013 - International Nuclear Physics Conference, Firenze, Italy, June 2-7, 2013, EPJ Web of Conferences 66, 01017 (2014).
12. Stefano Gandolfi, Andrew W. Steiner, "Neutron matter, symmetry energy and neutron stars", Nuclear Physics in Astrophysics VI (NPA6), Portugal, to appear in Journal of Physics: Conference Series (JPCS).
13. Stefano Gandolfi, "Quantum Monte Carlo study of strongly interacting Fermi gases", Proceeding of the 17th International Conference on Recent Progress in Many-Body-Theories, to appear in Journal of Physics: Conference Series (JPCS)