

## Publications

- 1. Quantum droplets in one-dimensional Bose mixtures: a quantum Monte-Carlo study , L. Parisi, S. Giorgini, arXiv:2003.05231
- 2. The liquid state of one-dimensional Bose mixtures: a quantum Monte-Carlo study , L. Parisi, G. E. Astrakharchik, S. Giorgini, Phys. Rev. Lett. 122, 105302 (2019)
- 3. Spin dynamics and Andreev-Bashkin effect in mixtures of one-dimensional Bose gases, Luca Parisi, G. E. Astrakharchik, Stefano Giorgini, Phys. Rev. Lett. 121, 025302 (2018)
- 4 Quantum Monte-Carlo study of the Bose polaron problem in a one-dimensional gas with contact interactions, Luca Parisi, Stefano Giorgini, Phys. Rev. A 95, 023619 (2017)
- 5. L. Parisi, R. Di Giugno, I. Deretzis, G.G.N. Angilella, A. La Magna, Kinetic Monte Carlo simulations of vacancy evolution in graphene, Materials Science in Semiconductor Processing 42, 179 - 182 (2016)