

List of publications

1. A. O. Slobodeniuk, E. G. Idrisov, and Eugene V. Sukhorukov, Relaxation of an electron wave packet at the quantum Hall edge at filling factor $\nu = 2$, [Phys. Rev. B 93, 035421 \(2016\)](#)

2. S. Jezouin, Z. Iftikhar, A. Anthore, F. D. Parmentier, U. Gennser, A. Cavanna, A. Ouerghi, I. P. Levkivskyi, E. G. Idrisov, E. V. Sukhorukov, L. I. Glazman and F. Pierre, Controlling charge quantization with quantum fluctuations, [Nature 536, 58 \(2016\)](#)

The summary of paper was published in Nature, News and Views: Y. V. Nazarov, Destruction of discrete charge, [Nature 536, 38 \(2016\)](#).

3. E. G. Idrisov, Ivan P. Levkivskyi, and Eugene V. Sukhorukov, Thermal decay of Coulomb blockade oscillations, [Phys. Rev. B 96, 155408 \(2017\)](#)

4. E. G. Idrisov, I. P. Levkivskyi, and E. V. Sukhorukov, Dephasing in a Mach-Zehnder Interferometer by an Ohmic Contact, [Phys. Rev. Lett. 121, 026802 \(2018\)](#)

The results of paper were experimentally confirmed by group of F. Pierre in paper [Science 366, 1243 \(2019\)](#)

5. E. G. Idrisov, Finite frequency noise in a chiral Luttinger liquid coupled to phonons, [Phys. Rev. B 100, 155422 \(2019\)](#)

6. E. G. Idrisov and T. L. Schmidt, Entropy production in one-dimensional quantum fluids, [Phys. Rev. B 100, 165404 \(2019\)](#)

7. S. Groenendijk, A. Calzona, H. Tschirhart, E. G. Idrisov, and T. L. Schmidt, Parafermion braiding in fractional quantum Hall edge states with a finite chemical potential, [Phys. Rev. B 100, 205424 \(2019\)](#)

8. E. G. Idrisov, I. P. Levkivskyi, and E. V. Sukhorukov, Quantum ammeter: Measuring full counting statistics of electron currents at quantum timescales, [Phys. Rev. B 101, 245426 \(2020\)](#)

9. A. B. Michelsen, T. L. Schmidt, and E. G. Idrisov, Current correlations of Cooper-pair tunneling into a quantum Hall system, [Phys. Rev. B 102, 125402 \(2020\)](#)

10. E. G. Idrisov, Single electron effects in strongly interacting mesoscopic systems: Non-equilibrium bosonization approach, [LAP LAMBERT Academic Publishing \(2020\)](#)

11. E. H. Hasdeo, J. Ekstrom, E. G. Idrisov, and T. L. Schmidt, Electron hydrodynamics of two-dimensional anomalous Hall materials, [Phys. Rev. B 103, 125106 \(2021\)](#)

12. Z. Z. Alisultanov and E. G. Idrisov, Towards the theory of types III and IV non-Hermitian Weyl fermions, [arXiv:2110.13714 \(2021\)](#) (rejected from PRL, resubmitted to PRB 2022)

13. E. G. Idrisov, I. P. Levkivskyi, E. V. Sukhorukov, T. L. Schmidt, Current cross-correlations in a quantum Hall collider at filling factor two, [arXiv:2201.08147 \(2022\)](#) (accepted to PRB, 2022)

14. E. G. Idrisov, I. P. Levkivskyi, E. V. Sukhorukov, Thermal drag effect in quantum Hall circuits, [arXiv:2203.02558 \(2022\)](#) (2nd round review in PRL, 2022)

15. E. G. Idrisov, Johan Ekstrom, Quantization of anyonic spectral density of heat current (2nd round review in PRL, 2022)

16. R. L. R. C. Teixeira, A. Haller, R. Singh, A. Mathew, E. G. Idrisov, L. G. G. V. Dias da Silva, T. L. Schmidt, Overlap of parafermionic zero modes at a finite distance, [arXiv:2206.14101 \(2022\)](#) (first round review in PRR, 2022)

17. E. H. Hasdeo, E. G. Idrisov, T. L. Schmidt, Coulomb drag of viscous electron fluids: drag viscosity and negative drag conductivity, [arXiv:2207.01941 \(2022\)](#) (1st round review in PRL, 2022)