

B3.7 (A. Shnirman)

- [B3.7:1] S. Rachel and A. Shnirman, *Theory of small charge solitons in one-dimensional arrays of Josephson junctions*, [Phys. Rev. B **80**, 180508\(R\) \(2009\)](#)
- [B3.7:2] ‡ J. Homfeld, I. Protopopov, S. Rachel, and A. Shnirman, *Charge solitons and their dynamical mass in one-dimensional arrays of Josephson junctions*, [Phys. Rev. B **83**, 064517 \(2011\)](#)
- [B3.7:3] M. Greiter and H. Schmidt, *Magnetic Excitations in the Site-Centered Stripe Phase: Spin Wave Theory of Coupled Three-Leg Ladders*, [Phys. Rev. B **83**, 144422 \(2011\)](#)
- [B3.7:4] * J. Zimmer, N. Vogt, A. Fiebig, S.V. Syzranov, A. Lukashenko, R. Schäfer, H. Rotzinger, A. Shnirman, M. Marthaler and A.V. Ustinov, *Thermally activated conductance in arrays of small Josephson junctions*, *Phys. Rev. B* **88**, 144506 (2013)
- [B3.7:5] J. Jeske, N. Vogt, and Jared H. Cole, *Excitation and state transfer through spin chains in the presence of spatially correlated noise*, *Phys. Rev. A* **88**, 062333 (2013)

Invited Talks at International Conferences

A. Shnirman, *Small charge solitons in 1D arrays of Josephson junctions*, Workshop in memory of Albert Schmid and Arkady Aronov, Karlsruhe, Germany, September 20 - 24, 2009.

A. Shnirman, *Charge solitons*, 445. WE-Heraeus-Seminar: "Quantum Measurement and Metrology with Solid State Devices", Bad Honnef, Germany, November 01 - 05, 2009.

A. Shnirman, *Small charge solitons in 1-D arrays of Josephson junctions*, NanoPeter 2010, ARW "Fundamentals of electronic nanosystems", St. Petersburg, Russia, June 26 - July 2, 2010.

A. Shnirman, *Charge solitons and their dynamical mass in 1-D arrays of Josephson junctions*, 469. WE-Heraeus-Seminar "Quantum Dynamics in Nanoscale Heterostructures", Bad Honnef, Germany, December 8-10, 2010.