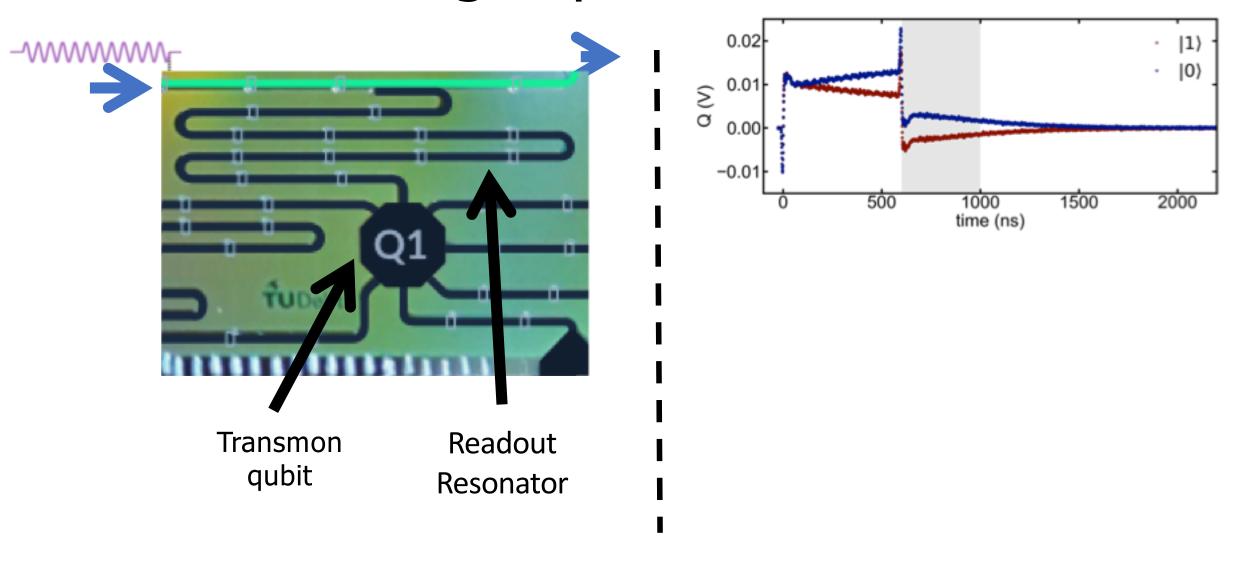
Niels Bultink

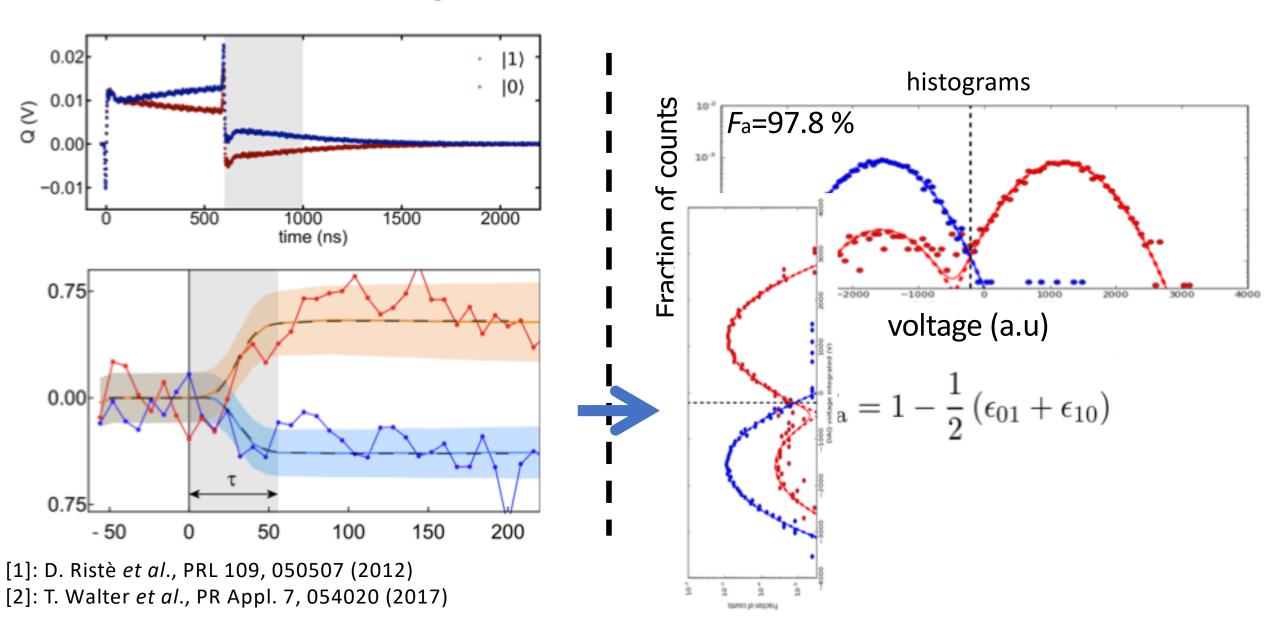
Operations in superconducting qubits:

Measurements

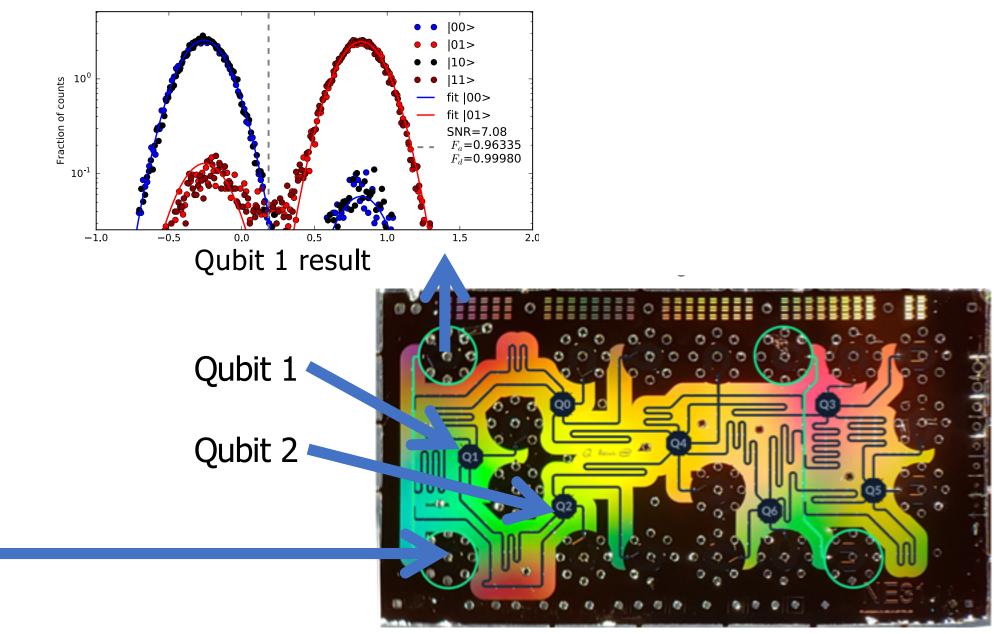
Single-qubit readout

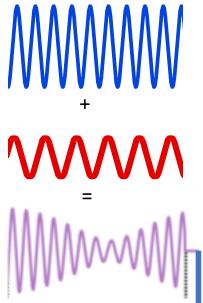


Single-qubit readout

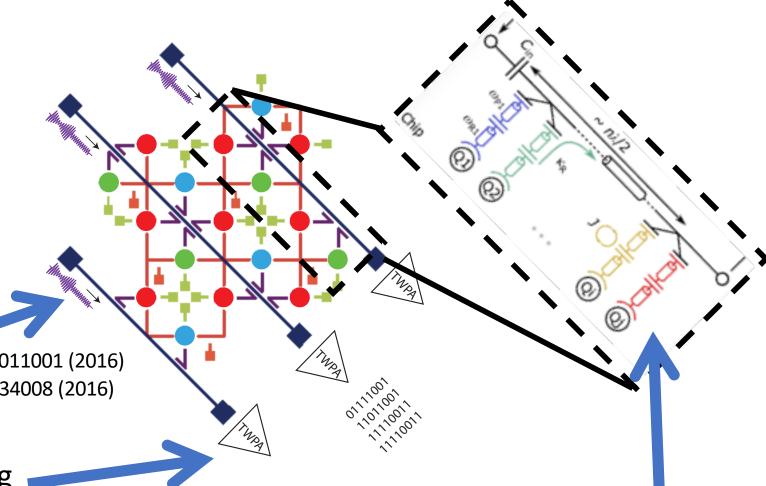


Multi-qubit readout





Hot topics



Advanced pulse shaping

[3]: D. T. McClure et al., Phys. Rev. Appl. 5, 011001 (2016)

[4]: C. C. Bultink et al., Phys. Rev. Appl. 6, 034008 (2016)

Benchmarking and improving superconducting amplifiers

[5]: C. Macklin et al., Science 350, 307 (2015)

[6]: C. C. Bultink et al., APL 112, 092601 (2018)

Advanced readout topologies

[7]: E. Jeffrey, D. Sank et al., PRL 112, 190504 (2014)

[8]: J. Heinsoo et al., ArXiv, 1801.07904 (2018)