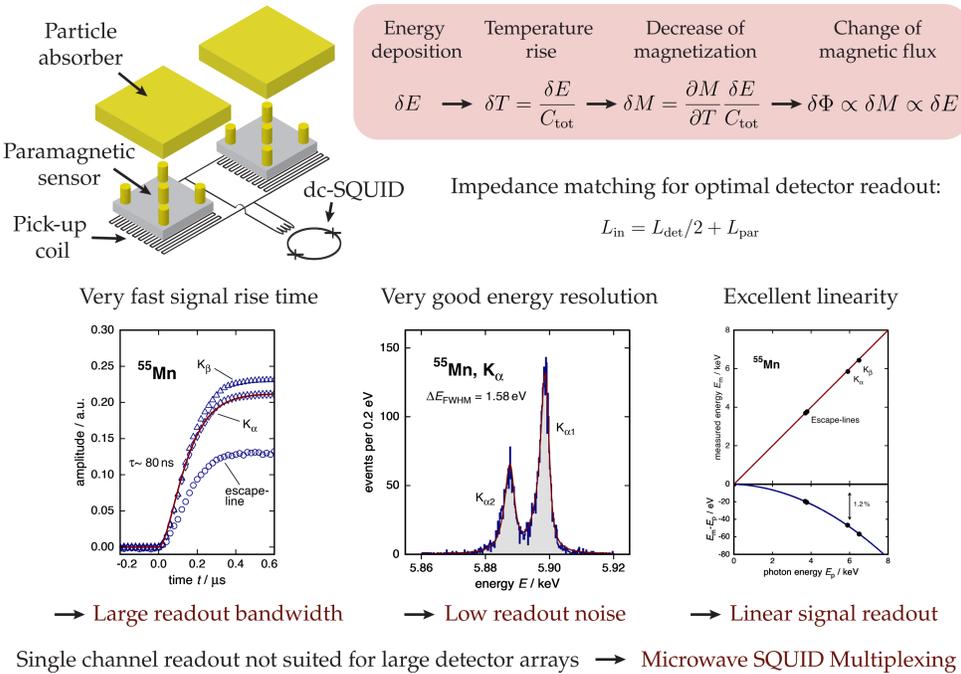
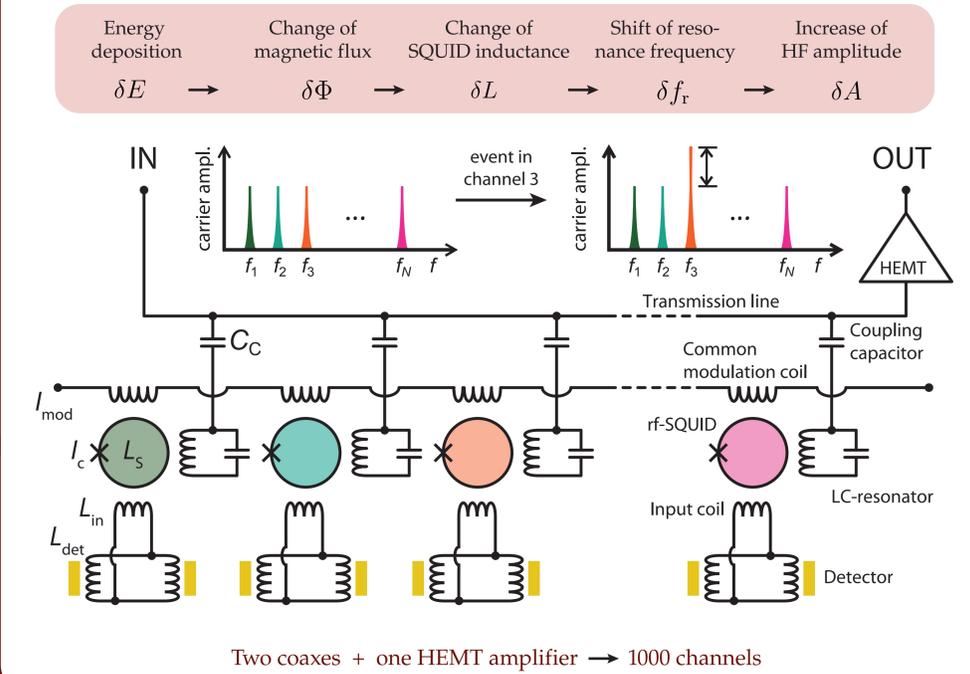


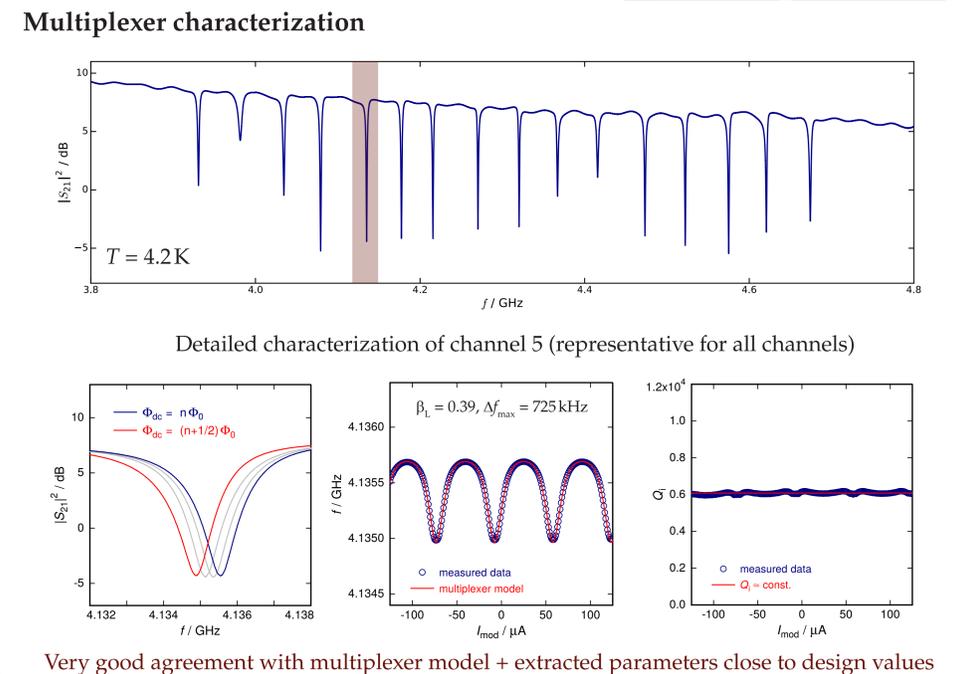
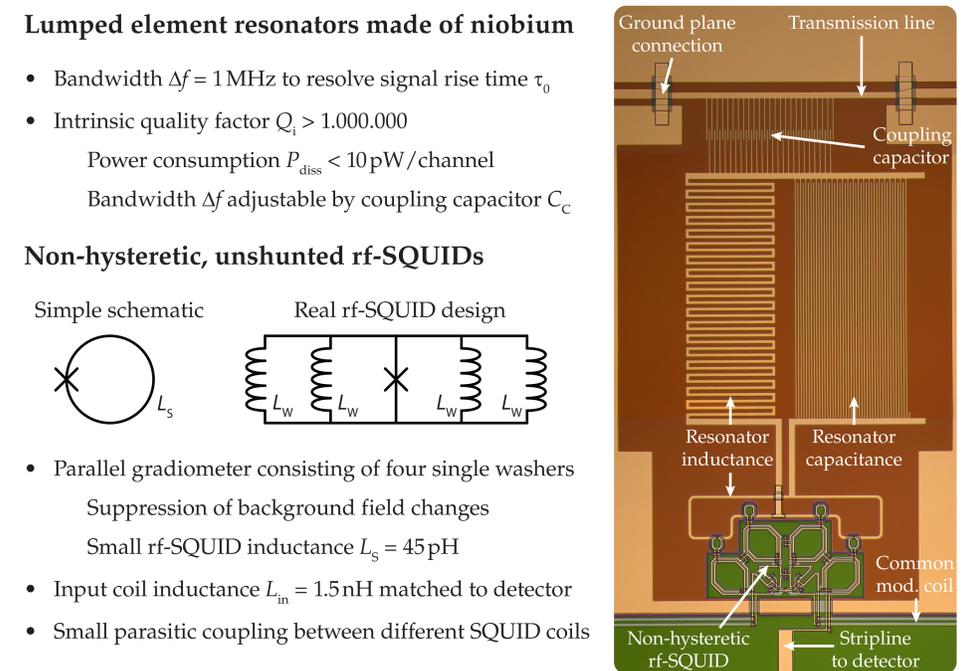
Metallic magnetic calorimeters



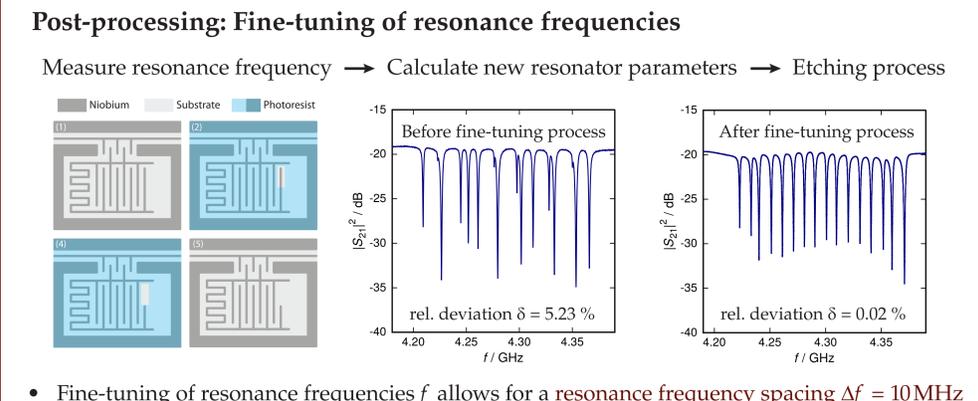
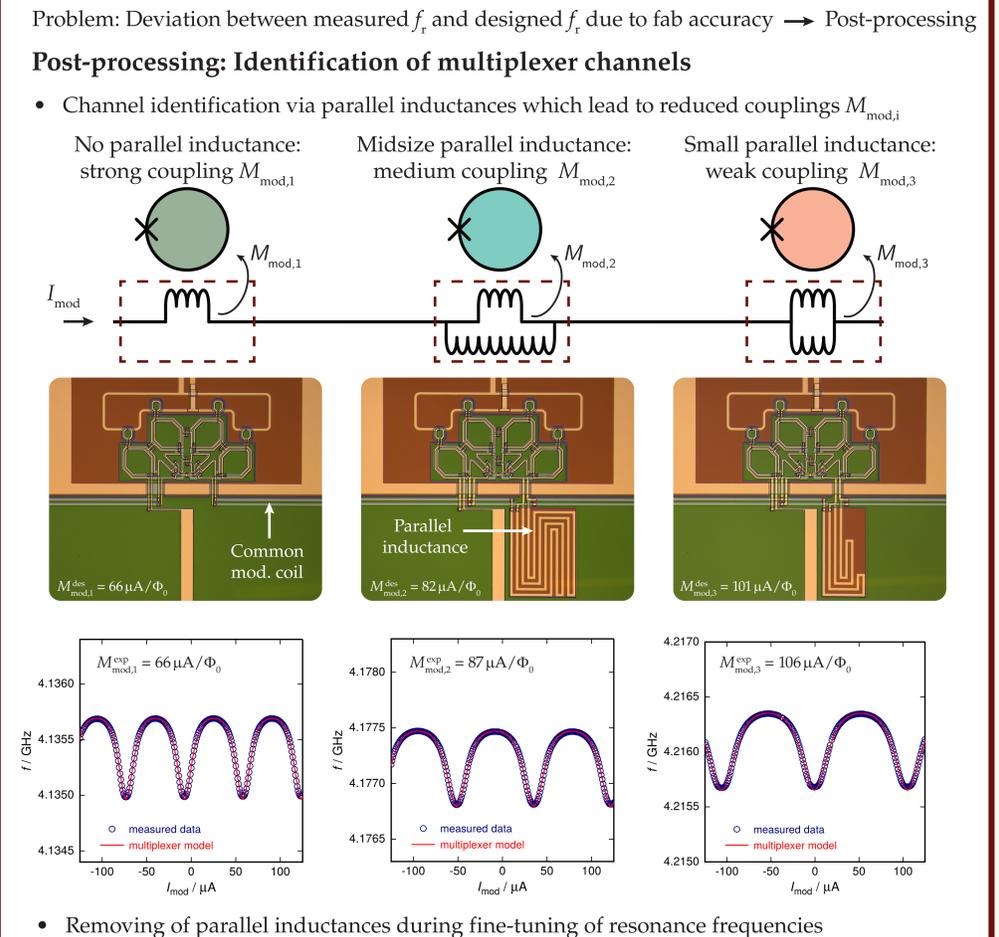
Principle of microwave SQUID multiplexing



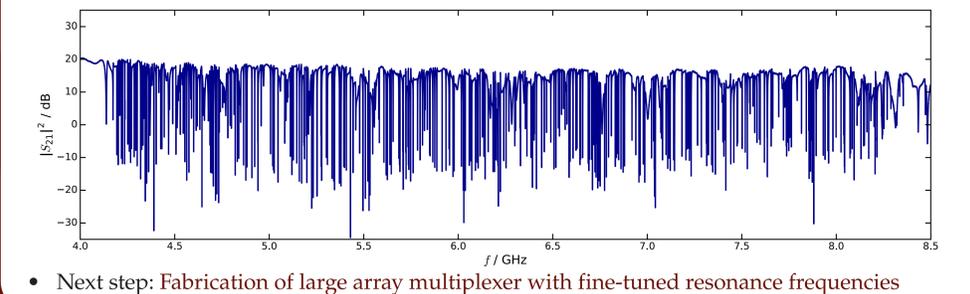
Multiplexer design "ECHO_LEMUX"



Scaling up for large detector arrays



First array based on 400 bare lumped element resonators



References

- [1] M. Wegner *et al.*, Microwave SQUID Multiplexing of Metallic Magnetic Calorimeters: Status of Multiplexer Performance and Room-Temperature Readout Electronics Development, *J. Low Temp. Phys.* **193**, 462 (2018)
- [2] S. Kempf *et al.*, Design, fabrication and characterization of a 64 pixel metallic magnetic calorimeter array with integrated, on-chip microwave SQUID multiplexer, *Supercond. Sci. Technol.* **30** (2017) 065002
- [3] S. Kempf *et al.*, Demonstration of a scalable frequency-domain readout of metallic magnetic calorimeters by means of a microwave SQUID multiplexer, *AIP Advances* **7** (2017) 015007