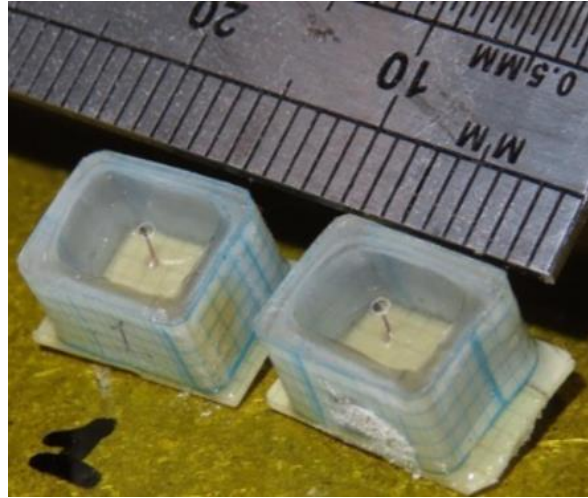
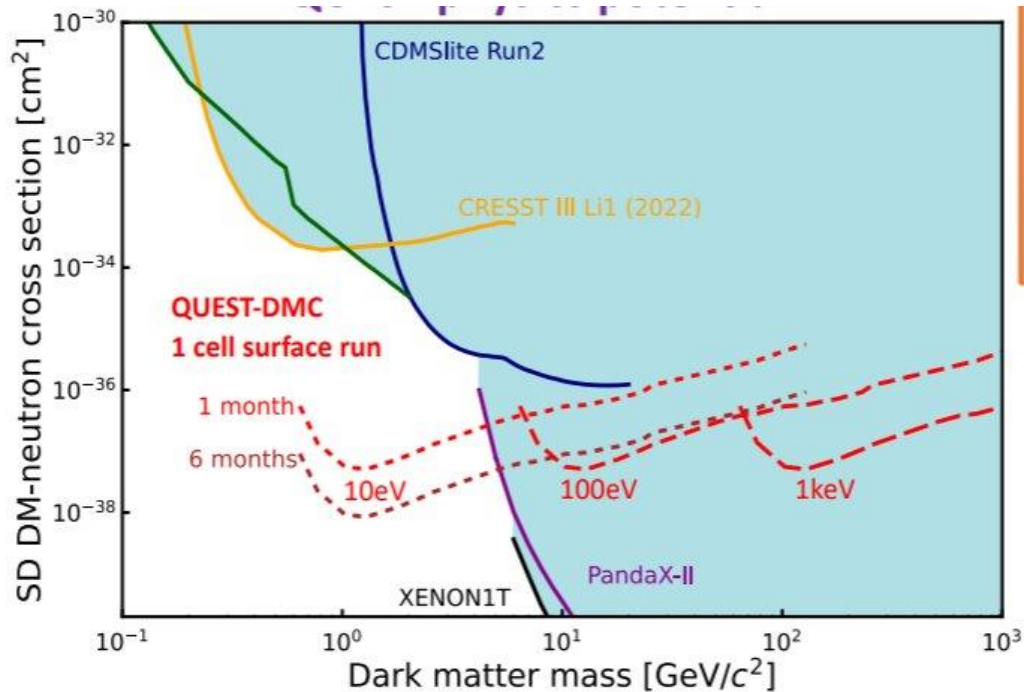
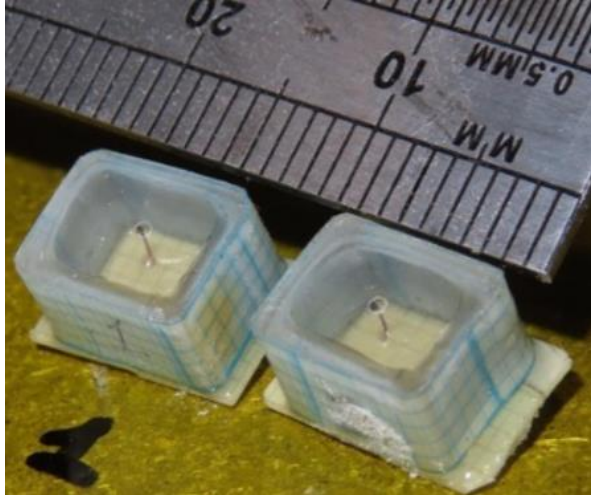
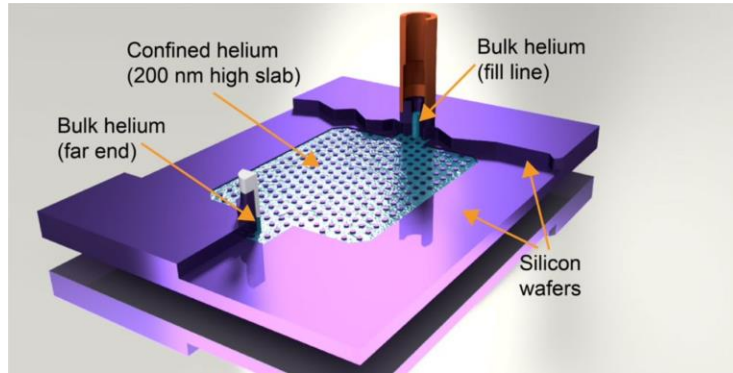


Miniature bolometers?



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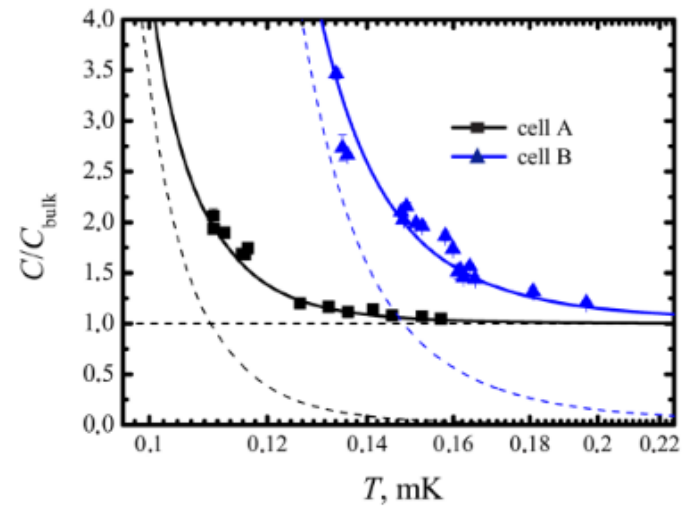
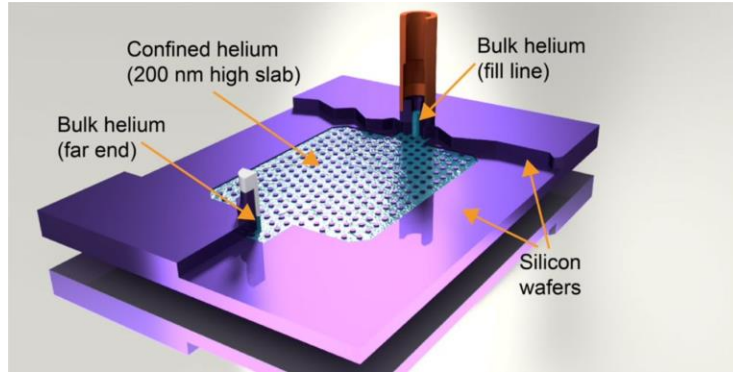




WP1 bolometer: $\sim 100 \text{ mm}^3$

WP2 lake 1: 0.024 mm^3

--> Naive increase in signal $\sim 10^4$

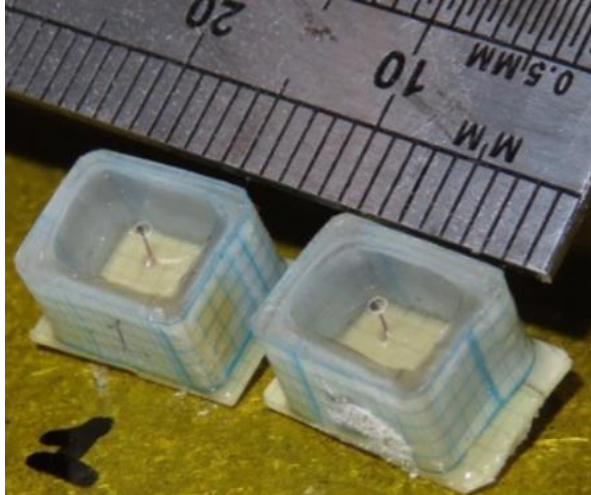


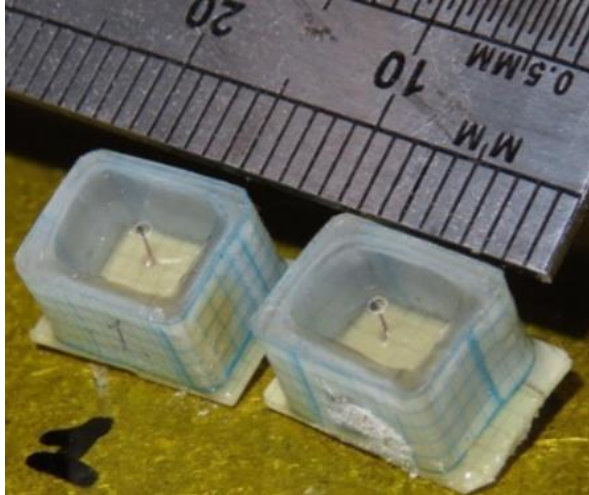
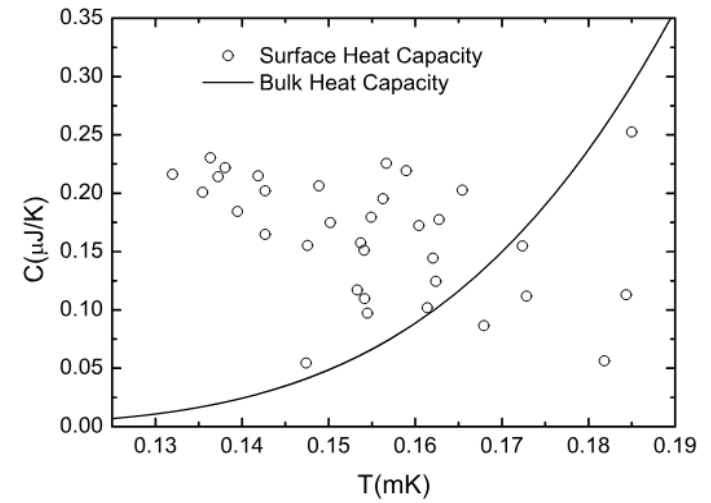
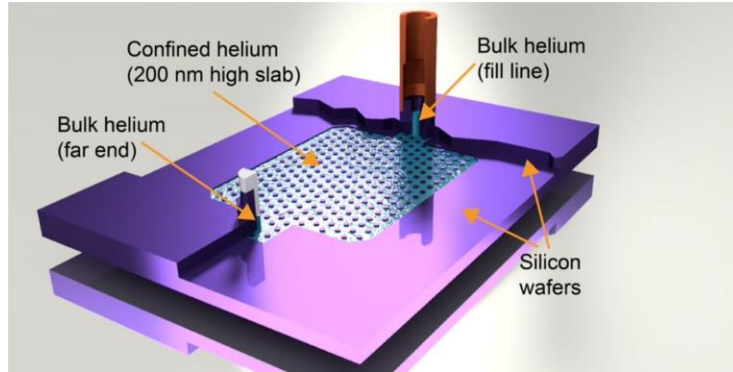
Scientific Reports **10**, 20120 (2020)

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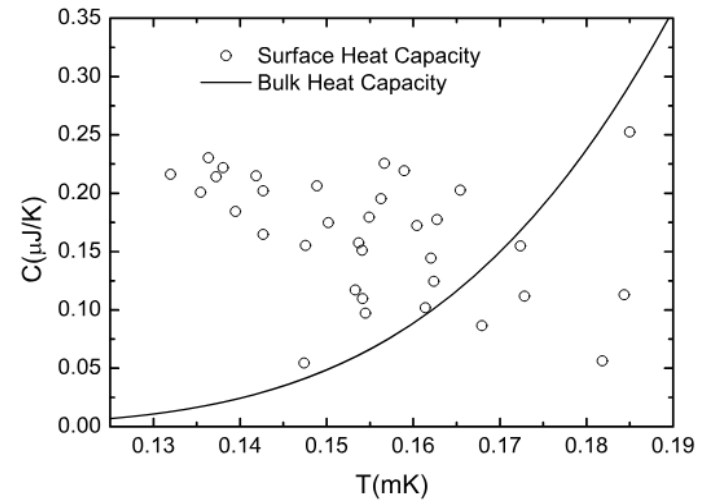
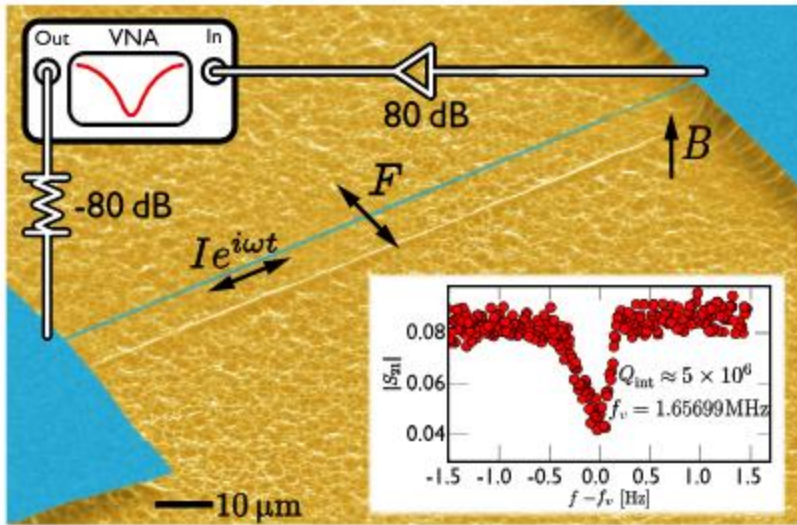


Low Temp Phys (2007) 148: 749–753

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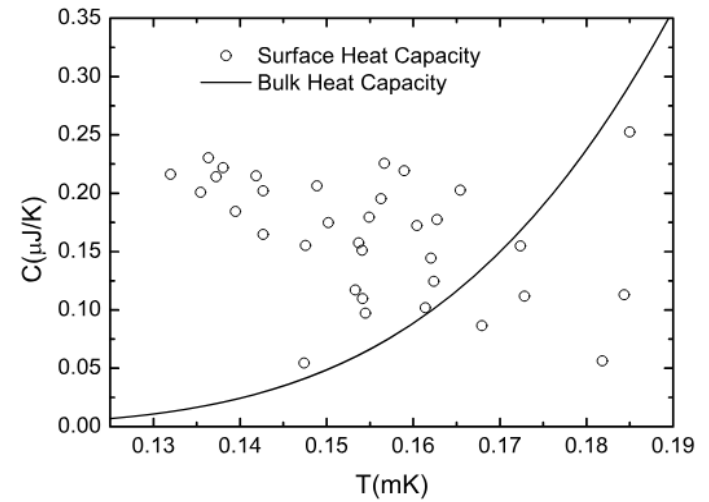
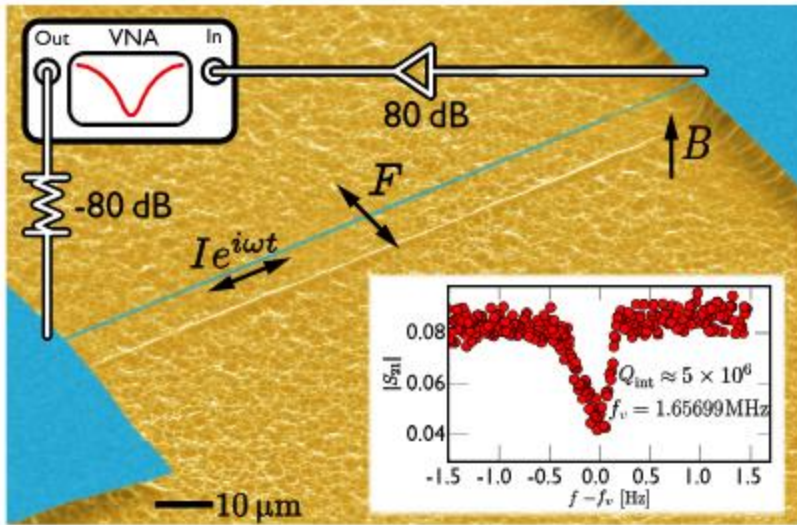
Phys. Rev. B **101**, 060503(R), 2020

Low Temp Phys (2007) 148: 749–753

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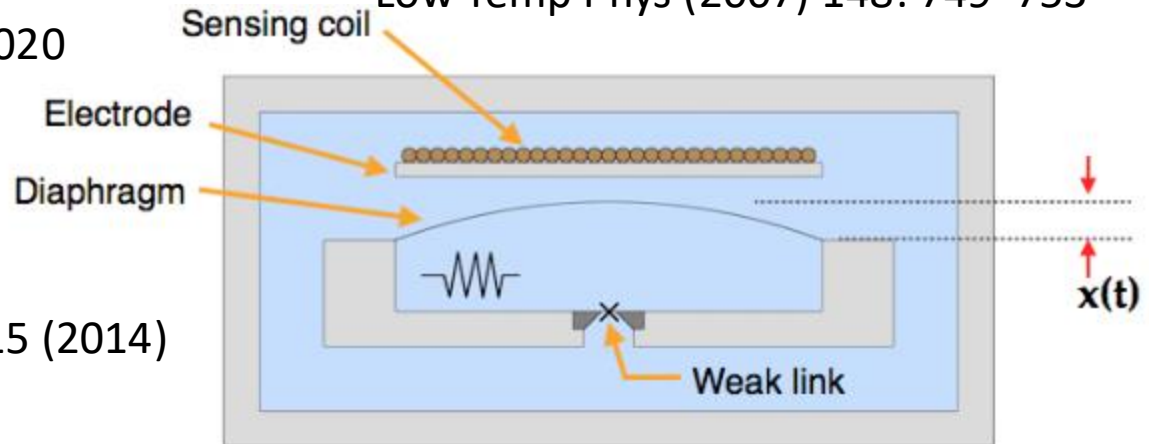
--> Naive increase in signal $\sim 10^4$

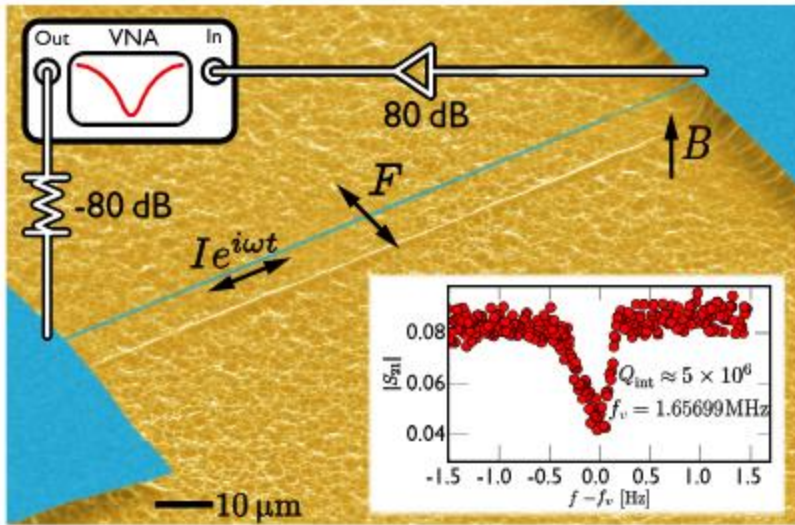


Phys. Rev. B **101**, 060503(R), 2020

Low Temp Phys (2007) 148: 749–753

J. Phys.: Conf. Ser. **568**, 012015 (2014)





Tasks:

- Thermometry
- Optimal geometry
- Thermalisation (required hole size etc)
- Sensitivity & exposure projection

Phys. Rev. B **101**, 060503(R), 2020

J. Phys.: Conf. Ser. **568**, 012015 (2014)

