

# Some Recent Data on the BKT Transition

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PHYSICAL REVIEW LETTERS

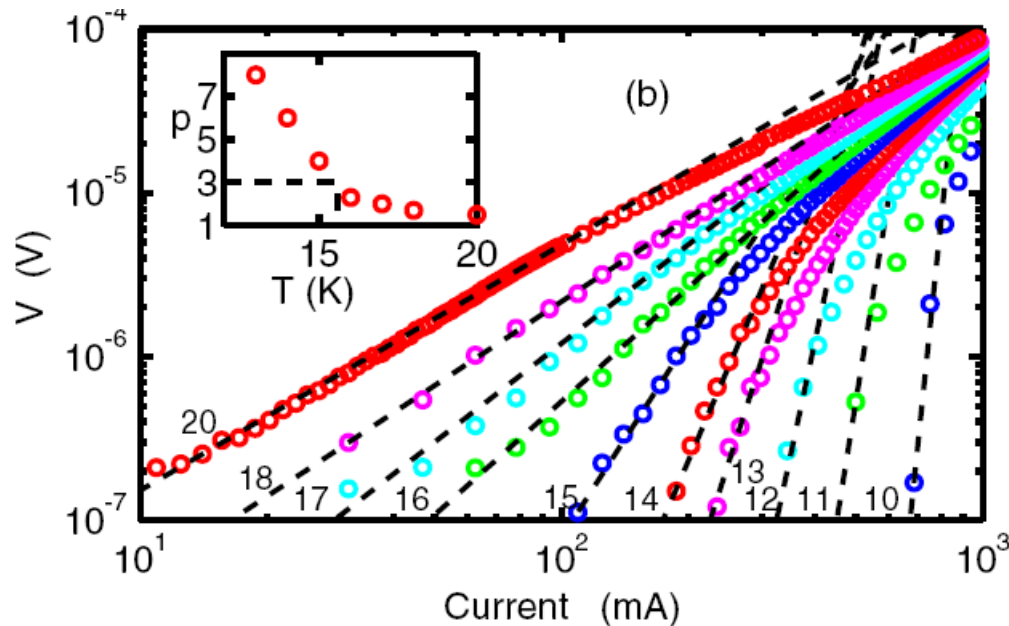
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10 AUGUST 2007

## Two-Dimensional Superconducting Fluctuations in Stripe-Ordered $\text{La}_{1.875}\text{Ba}_{0.125}\text{CuO}_4$

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See also: Daniel F. Agterberg, J.C. Séamus Davis, Stephen D. Edkins, Eduardo Fradkin, Dale J. Van Harlingen, Steven A. Kivelson, Patrick A. Lee, Leo Radzihovsky, John M. Tranquada, and Yuxuan Wang, "The Physics of Pair-Density Waves: Cuprate Superconductors and Beyond," *Annual Review of Condensed Matter Physics* **11**, 231–270 (2020).

<https://doi.org/10.1146/annurev-conmatphys-031119-050711>

## Christoph Strunk (Regensburg) BKT Transition in NbN Films

BTK measurements in NbN films. They measure small samples, which eliminates the issue of sample inhomogeneity, which has plagued all of the previous two-coil mutual inductance measurements. This was proven by sharing samples with groups that did the two-coil measurements.

A. Weitzel, *et al.*, "Sharpness of the Berezinskii-Kosterlitz-Thouless Transition in Disordered NbN Films," *Phys Rev Lett* **131** (18), 186002 (2023).

<https://doi.org/10.1103/PhysRevLett.131.186002>

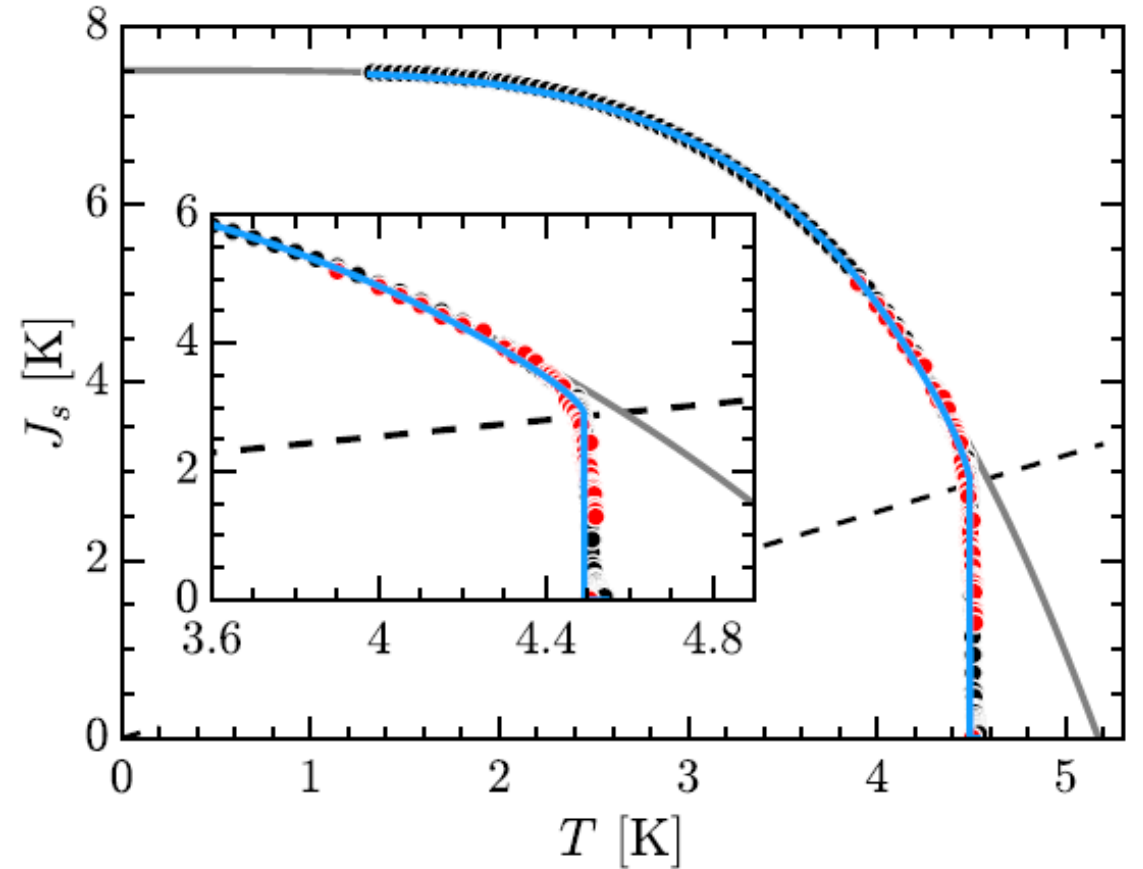


FIG. 3. Superfluid stiffness,  $J_s$ , vs temperature,  $T$ , for the same