

List of publications – A. Rydh

Manuscripts

- [58] Th. Jacobs, S. O. Katterwe, H. Motzkau, A. Rydh, A. Maljuk, T. Helm, C. Putzke, E. Kampert, M. V. Kartsovnik, and V. M. Krasnov, *Disparity of superconducting and pseudogap scales in low- T_c Bi-2201 cuprates*, submitted to Phys. Rev. Lett. [arXiv:1202.6370](https://arxiv.org/abs/1202.6370) [[cond-mat.supr-con](#)].
- [57] M. Truccato, D. Imbraguglio, A. Agostino, S. Cagliero, A. Pagliero, H. Motzkau, A. Rydh, and V. Krasnov, *Photoconductivity and current channelling effects in mixed-phase BSCCO whiskers*, submitted.
- *[56] C. Chaparro, L. Fang, H. Claus, A. Rydh, G. W. Crabtree, V. Stanev, W. K. Kwok, and U. Welp, *Doping dependence of the specific heat of single crystal $BaFe_2(As_{1-x}P_x)_2$* , submitted to Phys. Rev. B. [arXiv:1110.3075](https://arxiv.org/abs/1110.3075) [[cond-mat.supr-con](#)].
- [55] H. Motzkau, S.-O. Katterwe, A. Rydh, and V. M. Krasnov, *Size-dependent transformation from triangular to rectangular fluxon lattice in Bi-2212 mesa structures*, submitted to Journal of Physics: Conference Series. [arXiv:1108.4793](https://arxiv.org/abs/1108.4793) [[cond-mat.supr-con](#)].

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- *[54] S. Tagliati, V. M. Krasnov, and A. Rydh, *Differential membrane-based nanocalorimeter for high-resolution measurements of low-temperature specific heat*, Rev. Sci. Instrum, accepted for publication. [arXiv:1203.2838](https://arxiv.org/abs/1203.2838) [[physics.ins-det](#)].
- *[53] S. Tagliati and A. Rydh, *Absolute specific heat measurements of a microgram Pb crystal using ac nanocalorimetry*, submitted to Journal of Physics: Conference Series. [arXiv:1203.2052](https://arxiv.org/abs/1203.2052) [[cond-mat.supr-con](#)].
- [52] H. Motzkau, Th. Jacobs, S.-O. Katterwe, A. Rydh, and V. M. Krasnov, *Persistent electrical doping of $Bi_2Sr_2CaCu_2O_{8+x}$ mesa structures*, Phys. Rev. B **85**, 144519 (2012). [arXiv:1202.1665](https://arxiv.org/abs/1202.1665) [[cond-mat.supr-con](#)].

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- [50] V. M. Krasnov, H. Motzkau, T. Golod, A. Rydh, S. O. Katterwe, and A. B. Kulakov, *Comparative analysis of tunneling magnetoresistance in low- T_c Nb/Al- AlO_x /Nb and high- T_c $Bi_{2-y}Pb_ySr_2CaCu_2O_{8+x}$ intrinsic Josephson junctions*, Phys. Rev. B **84**, 054516 (2011). [arXiv:1105.1281](https://arxiv.org/abs/1105.1281) [[cond-mat.supr-con](#)]. <http://dx.doi.org/10.1103/PhysRevB.84.054516>
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