

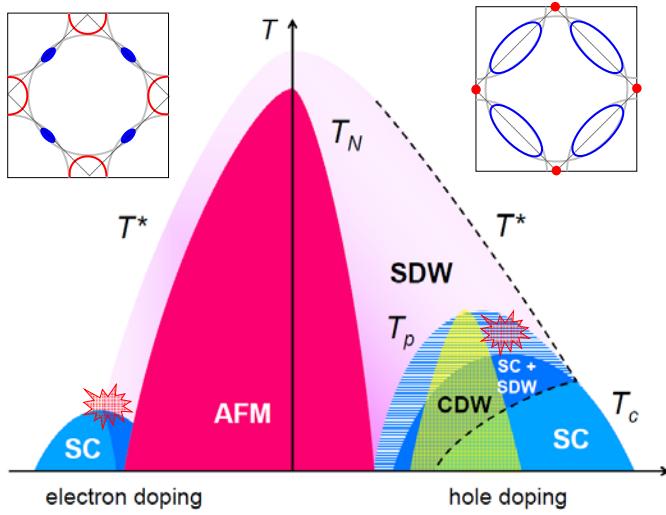


Pseudogap from ARPES experiment: three gaps in cuprates and topological superconductivity

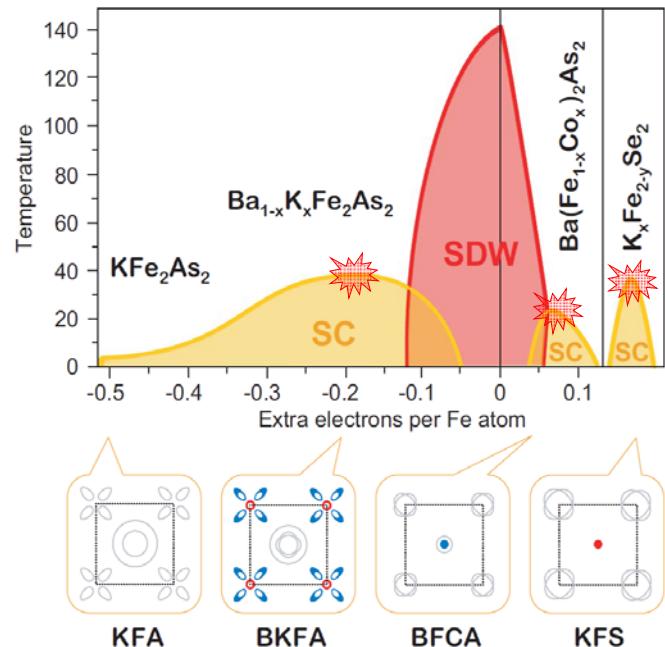
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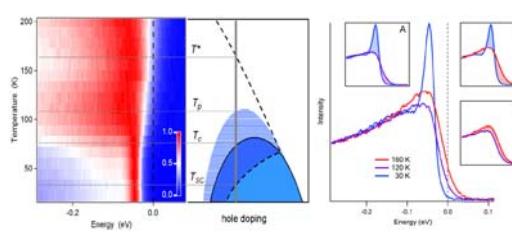
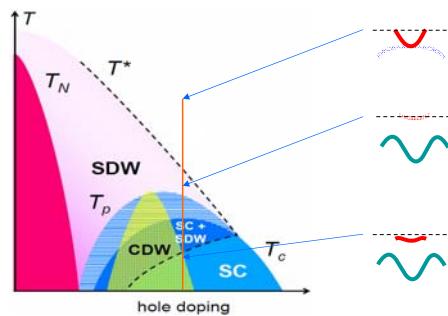
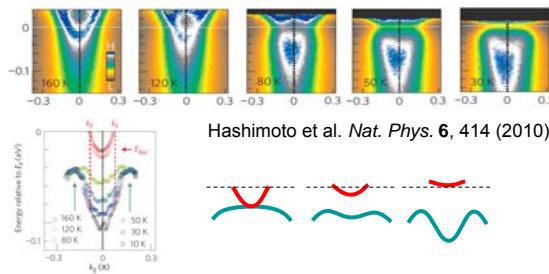
The SDW and superconductivity in HTSC cuprates competes for the phase space [1] but, on the other hand, the **SDW-reconstructed Cu-SC** share with **Fe-SC** the empirical correlation between the T_c maximum and the proximity of the Fermi surface to the topological **Lifshitz transition** [2]. This suggests that "**topological superconductivity**" could be a general mechanism for high temperature 2D superconductors [1].



[1] A. A. Kordyuk, *Low Temp. Phys.* **41**, 319 (2015);
arXiv:1501.04154.

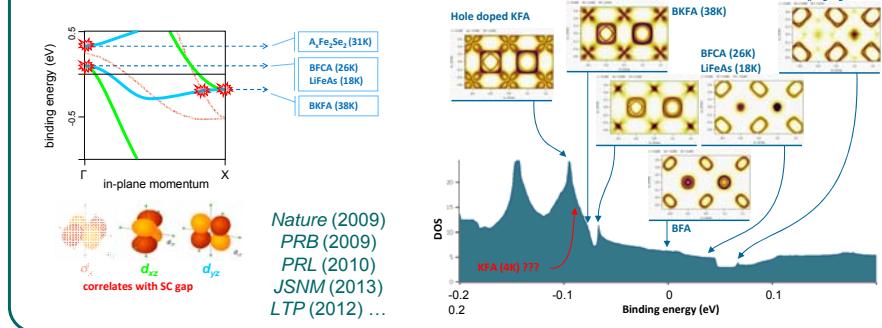


[2] A. A. Kordyuk, *Low Temp. Phys.* **38**, 888 (2012);
arXiv:1209.0140.

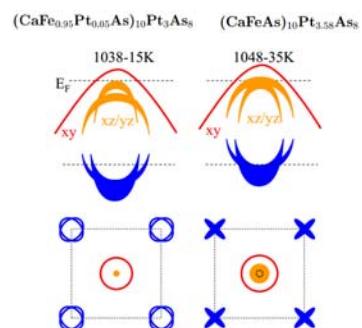


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122, 111, 11

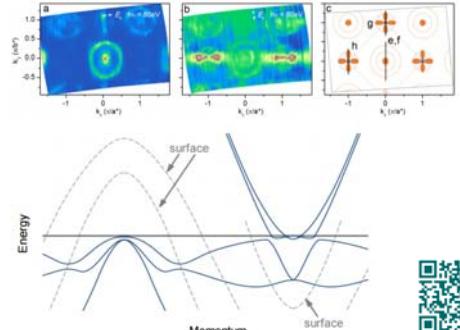


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Thirupathaiah PRB **88**, 140505 (2013)

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Charnukha et al. Sci. Rep. **5**, 10392 (2015)