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Flux tubes at finite temperature

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An attempt to adapt the study of color flux tubes to the case of finite temperature has been made. The field is measured both through the correlator of two Polyakov loops, one of which connected to a plaquette, and through a connected correlator of Wilson loop and plaquette in the spatial sublattice. Still the profile of the flux tube resembles the transverse field distribution around an isolated vortex in an ordinary superconductor. The temperature dependence of all the parameters characterizing the flux tube is investigated.

Primary authors: PAPA, Alessandro (CS); CUTERI, Francesca (CS); COSMAI, Leonardo (BA); CEA, Paolo (BA)

Presenter: CUTERI, Francesca (CS)

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