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Flux tubes in $N_f=2+1$ QCD with magnetic fields

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We study the confining flux tube between two static color sources and its scaling towards the continuum limit in $N_f=2+1$ QCD at the physical point.

To this aim, we discretize the theory with the tree level Symanzik gauge action and stout-smearing improved staggered quarks. We discuss the effect of a uniform external magnetic field on the flux tube and we show, in particular, that it displays anisotropies with respect to the magnetic field direction.

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