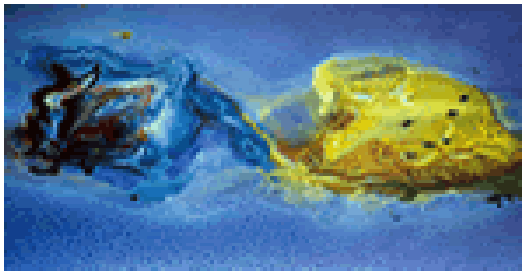

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# Spectrum of the open QCD flux tube and its effective string description

*Thursday 2 August 2018 17:20 (30 minutes)*

We perform a high precision measurement of the static quark-antiquark potential in three-dimensional SU(N) gauge theory with N=2 to 6. The results are compared to the effective string theory for the QCD flux tube and we obtain continuum limit results for the string tension and the non-universal leading order boundary coefficient, including an extensive analysis of all types of systematic uncertainties. The magnitude of the boundary coefficient decreases with increasing N, so that it could potentially vanish in the large-N limit. We also test for the presence of possible contributions from rigidity or massive modes and compare our results for the string theory coefficients to results for the excited states.

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