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Anisotropy of the quark anti-quark potential in a magnetic field

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We determine the static quark anti-quark potential for QCD at the physical point in the presence of an external magnetic field. The potential is anisotropic, in particular it is steeper in the directions orthogonal to the magnetic field than in the parallel one. The string tension increases (decreases) in the orthogonal (parallel) directions; the absolute value of the Coulomb coupling and the Sommer parameter show an opposite behavior.

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