

## Strong interaction in background magnetic fields

*Wednesday, 13 December 2017 12:40 (20 minutes)*

I will present some recent results obtained in our on-going effort devoted to the study of the influence of strong external magnetic fields on the heavy quark-antiquark interaction. These fields, expected to be created in physical situations such as heavy-ion collisions, may induce relevant modifications of the properties of the strong force. In particular, in this talk I will focus both on the effects on the static potential in the confined regime and on the screening masses in the deconfined region at very high temperatures, showing how and in which extent these observables are affected.

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