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In-medium heavy quark potential from lattice QCD and the generalized Gauss-law

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In this talk I report on recent progress in the determination of the complex heavy quark potential from lattice QCD simulations [1] and show how its temperature dependence can be captured in an analytic parametrization based on an improved generalized Gauss law model [2]. Prospects for in-medium quarkonium phenomenology are discussed.

[1] P. Petreczky, A.R., J.Weber, NPA982 (2019) 735 and in progress

[2] D. Lafferty, A.R. in preparation

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