

Lattice calculation of the heavy quark potential at $T>0$

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I discuss new results on the extraction of the heavy quark anti-quark potential at non-zero temperature from lattice QCD. Calculations have been performed using Highly Improved Staggered Quark action on lattices with temporal extent $Nt=6, 8$ and 12 . The potential is extracted from the temporal Wilson loops, largely extending the first preliminary calculations using $Nt=6$ lattices [1]. Implications of the findings for the quarkonium spectral function will be discussed.

[1] A. Bazavov and P. Petreczky, Nucl. Phys. A904-905 (2013) 599c

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