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

Monday, 4 November 2013 17:00 (20 minutes)

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

## Keywords

Potential at T>0, quarkonium spectral functions, lattice QCD

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