

Spectrum of radial, orbital and gluonic excitations of charmonium

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Abstract: We present results for the charmonium spectrum from $N_f = 2$ dynamical quark simulations on anisotropic $8^3 \times 80$ and $12^3 \times 80$ lattices. We use a practical all-to-all propagator method and discuss the precision achieved for S,P,D waves and hybrids.