

Heavy Quark(onium) transport with GF on the lattice

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The dynamics of heavy particles in a strongly coupled plasma is determined by transport coefficients. Especially for heavy quarkonia, the real-time evolution is described by transport coefficients κ and γ . On the lattice, these transport coefficients can be measured from correlators of chromoelectric fields connected by a Wilson line. Gradient flow is a beneficial tool to measure these correlators, as it both suppresses the uv noise and renormalizes the field strength tensor components. Extra care has to be taken with the remaining divergences.

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