



Contribution ID: 136

Type: 20 minutes talk

A comparison of spectral reconstruction methods applied to non-zero temperature NRQCD meson correlation functions

Friday, 17 December 2021 15:45 (30 minutes)

We present results from the fastsum collaboration's programme to determine the spectrum of the bottomonium system as a function of temperature. Three different methods of extracting spectral information are discussed: a Maximum Likelihood approach using a Gaussian spectral function for the ground state, the Backus Gilbert method, and the Kernel Ridge Regression machine learning procedure. We employ the fastsum anisotropic lattices with 2+1 dynamical quark flavours, with temperatures ranging from 47 to 375 MeV.

Could you please give the most relevant category for your talk?

Lattice QCD

Will you be pre-recording your talk?

No

Would you be interested in receiving feedback on your presentation?

Yes

Are you happy for your talk to be recorded?

Yes

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Session Classification: Full-length talks