



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