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Spectral Reconstruction in NRQCD using the Backus-Gilbert Method

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We present the Backus-Gilbert method as a means of reconstructing spectral functions from NRQCD meson correlator data at non-zero temperature. We focus in particular on the resolving power of the method, providing a demonstration of how the underlying resolution functions can be probed by exploiting the Laplacian nature of the NRQCD kernel. We conclude with estimates of the bottomonium ground state mass and widths obtained using the method on FASTSUM anisotropic ensembles, comparing the results with several other reconstruction techniques.

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