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### **Spectral properties of light and charm mesons from $N_f=2+1$ anisotropic lattice QCD**

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We compute temporal correlators and spectral functions for light, open charm and charmonium mesons in the pseudoscalar and vector channel for a range of temperatures below and above the deconfinement transition. The study is carried out using anisotropic lattice QCD with 2+1 dynamical flavours,  $a_s=0.123\text{fm}$  and  $a_s/a_t=3.5$ . The high-temperature results are benchmarked by comparing them to reconstructed correlators obtained by direct summation of the zero temperature correlator. We use two Bayesian methods to reconstruct the spectral functions: the maximum entropy method and the more recent BR method.

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