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Model Averaging Tool for Parameter Estimation in LFT

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We demonstrate the use of Bayesian fitting combined with a model averaging technique based on the Bayesian Akaike information criterion, with the intention to release a general purpose python package for typical correlator analysis coming from LFT. As examples we concentrate on two-point functions, one from a recent study on the Hubbard model and one on hadron correlators, extracting energies and amplitudes. A simple bootstrap analysis is performed including statistical and systematic uncertainties.

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