

What is the large-scale effective action of (2+1)-dimensional causal dynamical triangulations?

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The literature contains several analyses suggesting that the large-scale effective action of (2+1)-dimensional causal dynamical triangulations has the form of a minisuperspace model of projectable Horava-Lifshitz gravity. I weigh in on these suggestions by reporting the results of a comprehensive statistical analysis comparing several candidate effective actions.

Controversial Statement: The large-scale effective action of (3+1)-dimensional causal dynamical triangulations has the form of a minisuperspace model of Einstein gravity.

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