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Current Status of Resummed Quantum Gravity

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We present the current status of the theory of resummed quantum gravity. We focus on its prediction for the cosmological constant in the context of the Planck scale cosmology of Bonanno and Reuter and its relationship to Weinberg's asymptotic safety idea. We discuss its relationship to Weinberg's soft graviton resummation theorem. We also present constraints from and consistency checks of the theory as well as a possible new test of the theory.

In-person participation

Yes

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