Sixteenth Marcel Grossmann Meeting



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Type: Talk in the parallel session

Numerical techniques in covariant LQG

Monday, 5 July 2021 18:00 (25 minutes)

The application of numerical techniques to covariant LQG may able to provide answers to many of the current open questions in theory. In this presentation, I first introduce the formalism currently used to implement numerical computations. I illustrate a recent application of numerical techniques concerning the study of divergences in the EPRL self-energy amplitude, on which so far there were only analytical upper and lower bounds spanning more than 9 orders of magnitude.

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Session Classification: Loop Quantum Gravity

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