

Gravity amplitudes, observables and classical scattering

Thursday, December 20, 2018 11:00 AM (20 minutes)

Modern amplitudes techniques offer the tantalising possibility of greatly simplifying theoretical predictions for precision gravitational wave astronomy. One exciting example is the double copy, an enigmatically simple connection between Yang-Mills theory and gravity. In this talk I will discuss our recent work on rigorously obtaining classical scattering observables from quantum amplitudes, and why the double copy makes this pertinent for gravitational radiation.

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