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Unitarity Methods For 1-Loop Amplitudes

Monday, 3 November 2008 14:00 (25 minutes)

Unitarity methods provide an efficient way of calculating 1-loop amplitudes for which Feynman diagram techniques are impracticable. Recently several approaches have been developed that apply these techniques to systematically generate amplitudes. The ‘canonical basis’ implementation of the unitarity method will be discussed in detail and illustrated using seven point QCD processes.

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Session Classification: Methodology of Computations in Theoretical Physics - Session 1

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