



Contribution ID: 320

Type: parallel talk

Direct Diagonalization of the Field Theory Hamiltonian and Scattering Amplitudes

Tuesday 9 May 2017 16:30 (15 minutes)

We will describe the diagonalization of the Hamiltonian of $\lambda\phi^4$ theory. We will focus on scattering states far above the vacuum and will consider the inner product between these scattering states as the first step towards the calculation of the scattering amplitudes. We will show some of our preliminary results along with their comparison with perturbation theory.

Summary

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Session Classification: Theoretical Developments