

Rencontre des groupes de travail "Formes d'onde" et "Tests de la relativité générale et théories alternatives"

ID de Contribution: 8

Type: **Non spécifié**

From Scattering Amplitudes to Classical Observables

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I outline a formalism for computing classically measurable quantities directly from on-shell quantum scattering amplitudes. I will discuss the ingredients needed for obtaining the classical result, and show how to set up the calculation to derive the result efficiently. The formalism is not specific to a given theory, and is ultimately destined to be used for general relativity. In this talk, I will show an examples from spinless scattering in electrodynamics: the momentum transfer to next-to-leading order.

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