THE QUANTUM SPACETIME SEMINAR SERIES

Department of Theoretical Physics

Classical Limit of Soft Graviton Theorem

Alok Laddha

(CMI, India)

Date: Aug. 13, 2018
Time: 11.30 am
Venue: A-304, TIFR

In this talk we will show how Soft Graviton Theorem in Quantum Gravity can be used for analysing low frequency gravitational radiation in a class of classical scattering processes. In four dimension this analysis yields an interesting observable effect. Namely, a late time component in Gravitational field that falls off as inverse power of time, which can be interpreted as a tail term to the Linear Memory effect.

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