Radiation from Matrix Models (T: 50mn + Q: 10mn)

vendredi 13 mai 2022 09:00 (1 heure)

I give an overview of work characterizing radiation in generic four-dimensional conformal field theories. I argue that for theories with conformal scalars, the radiated energy is not positive definite and the radiated power is not Lorentz invariant. I then determine the coupling dependence of radiation, for N=2 superconformal field theories in the planar limit. This involves a purely combinatorial solution of certain matrix models, in terms of tree graphs.

Orateur: Prof. FIOL, Bartomeu (University of Barcelona)

Classification de Session: Morning chair: Frank Ferrari