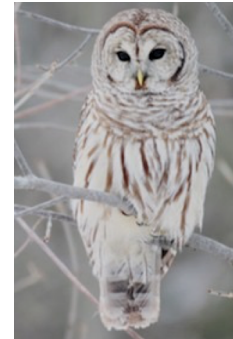




ŚRODOWISKOWE SEMINARIUM FIZYKI WYSOKICH ENERGII "BIAŁASÓWKA"



26 -go listopada 2021 r. godz. 10:15 AGH WFIS pok. 104 D11

Leonardo Tinti

Regularized hydrodynamic expansion from quantum field

Abstract

Relativistic hydrodynamics is surprisingly predictive, even in the presence of large gradients and deviations from equilibrium. The method of moments can be used in a relativistic gas to justify such behavior, but it can't be applied in the quantum case, since some crucial quantities become ill-defined. It is possible however to modify the method in terms of regularized moments that are well defined even for the quantum precursor of the distribution function. Recovering in that way the hydrodynamic expansion and maintain the fast convergence to the exact solutions in the exactly solvable case.

Zapraszamy wszystkich zainteresowanych!