



Seminar/Talk

Momentum Distribution of Interacting Fermions in the Random Phase Approximation

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Host: Robert Seiringer

Large quantum systems of interacting fermionic particles (such as electrons in a metal) show a large variety of transitions between different phases with very different physical behavior. Recently, rigorous results extending beyond mean-field theory have been obtained through bosonization methods, confirming predictions of the random phase approximation in high density regimes. I will review bosonization methods in the study of interacting fermions, and then discuss the predictions of the random phase approximation for the momentum distribution of particles in a gas of fermions.

Tuesday, November 19, 2024 04:00pm - 05:00pm

Office Bldg West / Ground floor / Heinzl Seminar Room (I21.EG.101)



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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