CONDENSED MATTER COLLOQUIUM SERIES

#Ankara

Erich Mueller

Cornell University

Kinetic Magnetism

We are in the second quantum revolution, where we are learning to control the quantum world. In this context there are classic problems which have new salience. I will talk about one of these, Kinetic Magnetism. This phenomenon, first discussed in the 1960's, is the quintessential example of "strongly correlated" physics. That is, it is one of our best demonstrations of how interacting quantum particles can have behavior which is qualitatively different from non-interacting particles. I will explain the phenomenon, how it is being explored by modern cold atom experiments, and some of the new perspectives that emerge.

Deceember, 08
Tuesday

19:00, (Ankara Time)

Click here for zoom link
Meeting ID: 432 931 6595
Password: 326852

Erich Mueller is a Professor of Physics at Cornell University, studying theoretical problems in the interface between Atomic Physics, Condensed Matter Physics, and Quantum Information. He received his PhD in 2001 from the University of Illinois at Urbana Champaign, and is a Fellow of the American Physical Society.

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