

Nuclear Physics Seminar

October 3, 2017

Speaker: Klaus Peters, GSI, Darmstadt

Title: *“Studies of Hadron Structure and Dynamics with the PANDA Experiment at FAIR”*

Abstract: Recent years have seen intensive experimental and theoretical research activity on topological phases. In spite of this effort, there are relatively few classes of material systems that have been experimentally verified to support topological phases, and most of these do not require electron interactions to underpin the topological properties. In this talk, I will describe some of our theoretical efforts aimed at expanding the known classes of topological materials to include transition metal oxides, which typically have non-negligible electron interactions. Out of equilibrium scenarios will be described also.