THEORETISCH PHYSIKALISCHES KOLLOQUIUM

Donnerstag, den 06.11.2014

Es spricht:
Dr. Nicholas Sedlmayr
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zum Thema:
"Majorana Bound States: Existence, Character, and Measurement"

Abstract
Majoranas are particles which are their own antiparticle, and have been predicted to occur in several solid state systems. In recent years progress has been made towards creating these exotic states in the laboratory. The theoretical models underlying the predictions are a class of topological superconductors which can have the Majorana states appear at boundaries, similar to the topologically protected edge states seen in topological insulators. We will discuss several experimental set-ups which are predicted to host Majorana bound states, their topological properties, how they could be measured, and what their properties are.

Raum: 46-576
Zeit: 15:30 Uhr

Gäste sind herzlich willkommen.

Die Dozenten der Theoretischen Physik