



Physics Department Candidate Colloquium

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The Super World of Superfluids

Abstract: When cooled to temperatures below approximately 2 K (-273.15 C) liquid helium starts behaving in very peculiar ways. This behavior has come to be known as superfluidity and is a manifestation of the quantum nature of the system (known as a quantum liquid). Superfluids have been discovered in several other systems as well, some surprising, and have become an important link between many branches of physics. In this talk I will give a broad overview of superfluids, mainly in the context of liquid helium, and show how superfluids can be used to study a range of topics in widely varying fields.

Date: Monday, December 8, 2014

Time: 11:30 AM

Location: SCP 317