

ΣΕΜΙΝΑΡΙΟ ΦΥΣΙΚΗΣ ΣΥΜΠΥΚΝΩΜΕΝΗΣ ΥΛΗΣ

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Αίθουσα 027, Ισόγειο Κτηρίου Φυσικής, Πολυτεχνειούπολη Ζωγράφου

**“Superfluid properties of trapped, ultracold
gases of atoms”**

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Cold gases of atoms provide us with an ideal system for the study of the collection of phenomena that are associated with the more general problem of superfluidity.

In my talk I will first make an introduction to the field of cold atoms. Then, I will describe some of the novel superfluid properties of these systems, which are not present in other superfluids. Remarkably these properties may be controlled externally and may be manipulated at will.