

# COLLOQUE DE PHYSIQUE EPFL

EPFL PHYSICS COLLOQUIUM

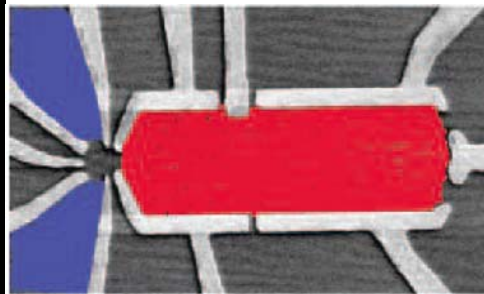
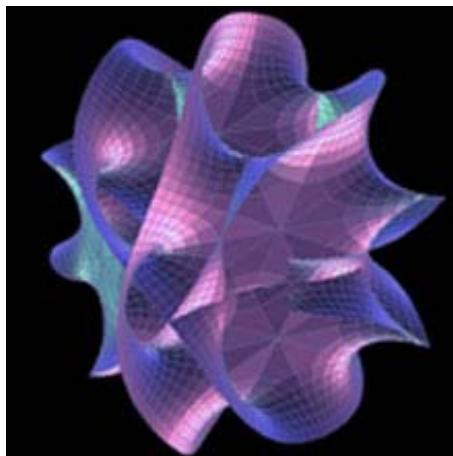
**Monday, February 15, 2016, 16:15**

**Room CE3**

**Prof. Ian Affleck**

**Univ. of British Columbia, Canada**

## **From string theory to quantum dots experiments**



Part of the string theory revolution of the 1980's was the development of conformal field theory. While its applicability as a theory of everything is still unclear, it led to solutions of models of conduction electrons interacting with magnetic impurities that predict remarkable behavior. A gated semi-conductor device was tailored to finally

provide an indisputable experimental realization of this theory. I will give a non-technical review of both theory and experiments.

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