



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

ARNOLD SOMMERFELD

CENTER FOR THEORETICAL PHYSICS



Arnold Sommerfeld Lecture Series

Professor Peter Zoller

Innsbruck University, Austria

Sommerfeld Theory Colloquium: Quantum Computing and Quantum Simulations with Quantum Optical Systems

We give a tour from basic concepts to implementation of quantum computing and quantum simulation with quantum optical systems including cold atoms and molecules. We give an outlook to possible future developments such as hybrid systems and interfaces involving solid state and atomic elements, and entanglement of levitated nano-scale objects.

Wednesday, 20th January 2010, 10:30 h, Room 348 / 349, Theresienstr. 37, LMU