QSIT Seminar

Speaker:
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Date:     8. May 2014, 15:00h

Title:     Non-adiabatic holonomic quantum computation

Abstract:
Holonomic quantum computation is the idea to use different kinds
of geometric phases to realize fault tolerant quantum gates. Recently a
non-adiabatic scheme for universal holonomic quantum computation has been
proposed [New J Phys 14, 103035 (2012)] and experimentally realized [Nature
496, 482 (2013)]. I review our recent work (see references below) related to
this scheme.