Plan of the lectures

(If 2nd lecture in each day ends early, then we start hands-on early)

Day 1

· Lecture 1: introduction, basics of quantum computation

· Lecture 2: Spin system on quantum computer (QC)

· Hands-on 1: Basics on IBM's qiskit

Day 2

· Lecture 3: Quantum field theory (QFT) on QC

· Lecture 4: QFT on QC, error correction & future prospects

· Hands-on 2: Time evolution of spin system