



NITheP cordially invites you to a seminar by:

Prof. M. Kawamura

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Date: Friday, 23rd September 2011

Time: 11:30

Venue: Physics Seminar Room, H-Block, 3rd Floor

TITLE: Implementation of quantum logic gates with strongly modulated composite pulse.

ABSTRACT: We have developed an initialization method which allows creating large qubit pseudo-pure states, and now intend to develop a method to control nuclear spins precisely to realize quantum logic gates with high-fidelity. In this presentation I will show some experimental results including an implementation of a five-qubit controlled-not gate with strongly modulated composite pulse.

Tea, coffee and biscuits will be served at 11:00