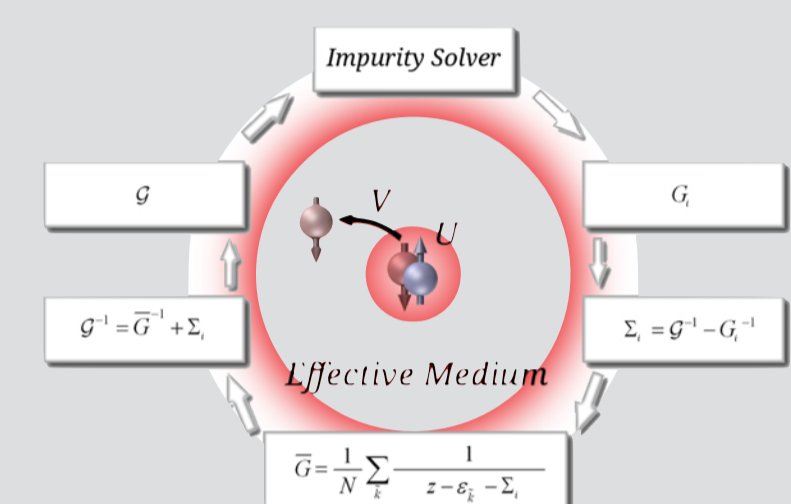
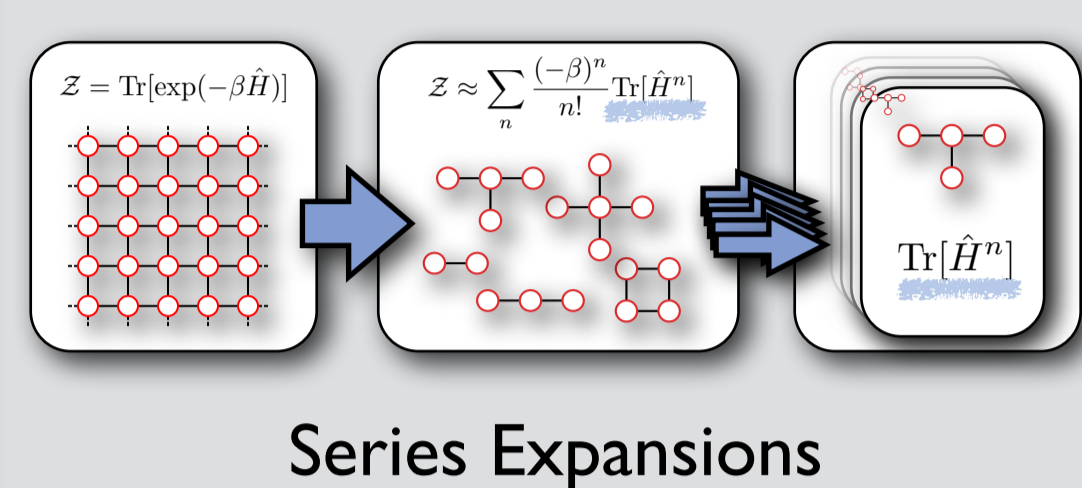
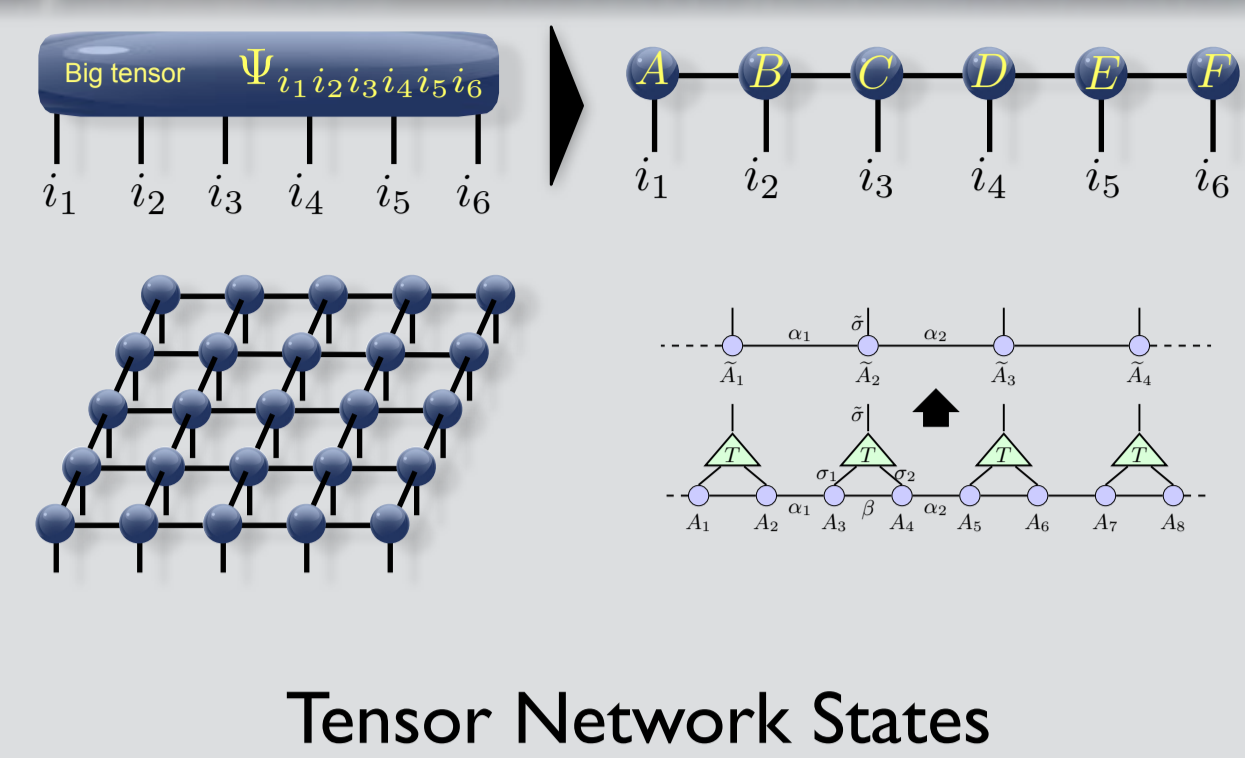
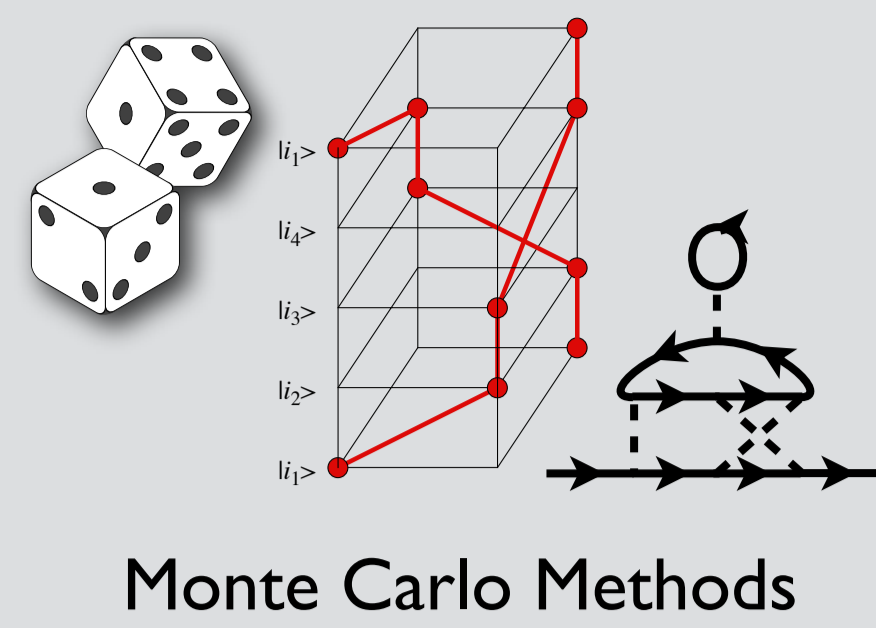


Algorithms



Michele Dolfi <dolfim@itp.phys.ethz.ch>

Dynamics of topological phases

Topological quantum computation

Lei Wang <lewang@itp.phys.ethz.ch>

Topological Phases

Institute for Theoretical Physics
Computational Physics
Prof. Matthias Troyer

Quantum phase transitions

Spin liquids

Exotic phases in SU(N) models

Philippe Corboz <phcorboz@itp.phys.ethz.ch>

Quantum Magnets

Effective lattice models

Comparison with experiments

Lei Wang <lewang@itp.phys.ethz.ch>

Cold Atoms

Quantum devices

How real is quantum speed-up?

Quantum annealing

New quantum algorithms

Troels Rønnow <tronnow@itp.phys.ethz.ch>

Design of realistic solid state structures exhibiting exotic topological phases

Alexey Soluyanov <soluyanov@itp.phys.ethz.ch>

Electronic Materials