

Chiral spin liquids: tensor network framework and quantum state preparation

jeudi 30 mai 2024 14:00 (55 minutes)

Chiral spin liquids are topological-ordered states of matter, quantum spin analogs of the celebrated electronic Fractional Quantum Hall states. I will discuss how they can be represented in terms of tensor networks (despite a no-go theorem!). In a second step, I will discuss recent efforts for adiabatic preparation of such states using Floquet engineering.

Orateur: POILBLANC, Didier (LPT, Toulouse)