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Charlotte Kristjansen: Quantum Quenches from Quantum Fields

Wednesday, July 16, 2025 10:00 AM (1 hour)

An integrable spin chain underlies the celebrated AdS/CFT duality. Overlaps between matrix product states and Bethe eigenstates of the chain contain information both about correlation functions of the quantum field theory entering the duality and about the behavior of the spin chain after a quantum quench. I will explain how such overlaps can be calculated exactly.