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Quantum Films: A Quantum Simulation Study
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; Nuclear Interactions from the Renormalization Group
Random Interactions and Ground State Spin of Finite Fermi Systems

Sommario/riassunto

Quantum many-body theory has greatly expanded its scope and depth over the past few years, treating more deeply long-standing issues like phase transitions and strongly-correlated systems, and simultaneously expanding into new areas such as cold atom physics and quantum information. This collection of contributions highlights recent advances in all these areas by leaders in their respective fields. Also included are some historic perspectives by L P Gor'kov and S T Belyaev, Feenberg Medal Recipients at this conference, and Nobel Laureate P W Anderson gives his unique outlook on the future of
