Recent Progress in Many-Body Theories (RPMBT22)



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Quantum Computing for Nuclear Physics

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With the recent experimental realization of quantum computing devices containing tens to hundreds of qubits and fully controllable operations, the theoretical effort in designing efficient quantum algorithms for a variety of problems has seen a tremendous growth worldwide. In this talk I will discuss the potential impact of quantum computing for application in nuclear physics and present some recent results of quantum simulations for simple nuclear models on current generation devices.

Primary author(s): ROGGERO, Alessandro (University of Trento, TIFPA) Presenter(s): ROGGERO, Alessandro (University of Trento, TIFPA) Session Classification: Session

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