

Language models for the simulation of quantum many-body

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In this talk, I will discuss our work on using models inspired by natural language processing in the realm of quantum many-body physics. I will demonstrate their utility in solving ground states of quantum Hamiltonians, particularly for ground states of arrays of Rydberg atoms on the Kagome lattice.

Our findings highlight the potential of using language models to explore many-body physics on exotic lattices and beyond.