



Contribution ID: 8      Type: 5th week (Formal developments and other frontiers in lattice QCD)

## User driven quantum simulations with Rydberg atoms

*Thursday, November 14, 2024 9:00 AM (1 hour)*

We review recent proposals to quantum simulate lattice gauge theories with configurable arrays of Rydberg atoms. We discuss possible implementations with remote access of facilities open to the general public. We discuss new methods to measure the entanglement entropy using a single copy of quantum systems.

**Primary author:** Prof. MEURICE, Yannick (University of Iowa)

**Presenter:** Prof. MEURICE, Yannick (University of Iowa)

**Session Classification:** 1-day workshop (5th week)