**Speaker:** Simone Notarnicola

Affiliation: Quantum Theory Group at Padova University

Title: Tensor networks for quantum simulation benchmarking

**Abstract:** I would talk about current experimental advances in quantum simulation especially with Rydberg atoms and would talk about recent numerical works in which we exploit tensor networks to simulate large systems. (basically based on <a href="https://arxiv.org/abs/2011.08200">https://arxiv.org/abs/2011.08200</a>)

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