

Stanford



Matteo Ippoliti

Postdoctoral Scholar, Physics

Bio

PROFESSIONAL EDUCATION

- PhD, Princeton University , Physics (2019)
- MA, Scuola Normale Superiore and University of Pisa , Physics (2014)
- BA, Scuola Normale Superiore and University of Pisa , Physics (2012)

STANFORD ADVISORS

- Vedika Khemani, Postdoctoral Faculty Sponsor
- Vedika Khemani, Postdoctoral Research Mentor

Publications

PUBLICATIONS

- **Fractal, Logarithmic, and Volume-Law Entangled Nonthermal Steady States via Spacetime Duality** *PHYSICAL REVIEW X*
Ippoliti, M., Rakovszky, T., Khemani, V.
2022; 12 (1)
- **Triunitary quantum circuits** *PHYSICAL REVIEW RESEARCH*
Jonay, C., Khemani, V., Ippoliti, M.
2021; 3 (4)
- **Many-Body Physics in the NISQ Era: Quantum Programming a Discrete Time Crystal** *PRX QUANTUM*
Ippoliti, M., Kechedzhi, K., Moessner, R., Sondhi, S. L., Khemani, V.
2021; 2 (3)
- **Entanglement Phase Transitions in Measurement-Only Dynamics** *PHYSICAL REVIEW X*
Ippoliti, M., Gullans, M. J., Gopalakrishnan, S., Huse, D. A., Khemani, V.
2021; 11 (1)
- **Postselection-Free Entanglement Dynamics via Spacetime Duality.** *Physical review letters*
Ippoliti, M., Khemani, V.
2021; 126 (6): 060501
- **Time-Crystalline Eigenstate Order on a Quantum Processor.** *Nature*
Mi, X., Ippoliti, M., Quintana, C., Greene, A., Chen, Z., Gross, J., Arute, F., Arya, K., Atalaya, J., Babbush, R., Bardin, J. C., Basso, J., Bengtsson, et al
2021
- **Floquet Prethermalization in a Bose-Hubbard System** *PHYSICAL REVIEW X*
Rubio-Abadal, A., Ippoliti, M., Hollerith, S., Wei, D., Rui, J., Sondhi, S. L., Khemani, V., Gross, C., Bloch, I.
2020; 10 (2)

- **Energetics of Pfaffian-anti-Pfaffian domains** *PHYSICAL REVIEW B*
Simon, S. H., Ippoliti, M., Zaletel, M. P., Rezayi, E. H.
2020; 101 (4)