

PUBLICATIONS

1. Lorenzo Leone, Salvatore F.E. Oliviero, Alioscia Hamma
Stabilizer Rényi entropy
[Physical Review Letters 128, 050402\(2022\)](#)
2. Salvatore F.E. Oliviero, Lorenzo Leone, You Zhou, Alioscia Hamma
Stability of topological purity under random local unitaries
[SciPost Phys. 12, 096 \(2022\)](#)
3. Salvatore F.E. Oliviero, Lorenzo Leone, Alioscia Hamma
Transitions in entanglement complexity in random quantum circuits by measurements
[Physics Letters A, 127721\(2021\)](#)
4. Lorenzo Leone, Salvatore F.E. Oliviero, You Zhou, Alioscia Hamma
Quantum Chaos is Quantum
[Quantum, volume 5, page 453 \(2021\)](#)
5. Salvatore F.E. Oliviero, Lorenzo Leone, Francesco Caravelli, Alioscia Hamma
Random Matrix Theory of the Isospectral Twirling
[SciPost Phys. 10, 076 \(2021\)](#)
6. Lorenzo Leone, Salvatore F.E. Oliviero, Alioscia Hamma
Isospectral twirling and quantum chaos
[Entropy 2021, 23\(8\), 1073\(2021\)](#)
7. Salvatore F.E. Oliviero, Lorenzo Leone, Alioscia Hamma
Magic-state resource theory for the ground state of the transverse-field Ising model
[Physical Review A 106.042426](#)
8. Max Kurkov, Lorenzo Leone
Remark on the synergy between the heat kernel techniques and the parity anomaly
[International Journal of Geometric Methods in Modern Physics, 17, 2050002-679\(2020\)](#)

PREPRINTS

9. Lorenzo Leone, Salvatore F.E. Oliviero, Stefano Piemontese, Sarah True, Alioscia Hamma
Learning a mocking black hole
<https://doi.org/10.48550/arXiv.2206.06385>
<https://doi.org/10.48550/arXiv.2205.02247>
10. Lorenzo Leone, Salvatore F.E. Oliviero, Alioscia Hamma
Magic hinders quantum certification
<https://doi.org/10.48550/arXiv.2204.02995>
11. Salvatore F.E. Oliviero, Lorenzo Leone, Alioscia Hamma, Seth Lloyd
Measuring magic on a quantum processor
<https://arxiv.org/abs/2204.00015>