

# Abhirup Mukherjee | List of Publications

📍 West Bengal, India    ✉ am18ip014@iiserkol.ac.in    📄 arXiv    🎓 Scholar    🌐 Website    ☎ (+91) 7595-914-112

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1. **Abhirup Mukherjee**, S R. Hassan, A Mukherjee, N S. Vidhyadhiraja, A Taraphder, S Lal. Mott Criticality as the Confinement Transition of a Pseudogap-Mott Metal. **arXiv:2507.17201** (2025)
2. A Kumar N M, S Mukherjee, **Abhirup Mukherjee**, A Punjal, S Purwar, T Setti, S Prabhu S., S Lal, N Kamaraju. Revealing the magnetic dimensional crossover in the Heisenberg ferromagnet  $\text{CrSiTe}_3$  through picosecond strain pulses. **Phys. Rev. B** **111**, L140414 (2025)
3. **Abhirup Mukherjee**, S Patra, S Lal. Holographic entanglement renormalisation for fermionic quantum matter. **J. Phys. A: Math. Theor.** **57** 275401 (2024)
4. **Abhirup Mukherjee**, N S Vidhyadhiraja, A Taraphder, S Lal. Kondo frustration via charge fluctuations: a route to Mott localisation. **New J. Phys.** **25** 113011 (2023)
5. S Patra, **Abhirup Mukherjee**, A Mukherjee, N S Vidhyadhiraja, A Taraphder, S Lal. Frustration shapes multi-channel Kondo physics: a star graph perspective. **J. Phys.: Condens. Matter** **35** 315601 (2023)
6. A Mukherjee, **Abhirup Mukherjee**, N S. Vidhyadhiraja, A Taraphder, S Lal. Unveiling the Kondo cloud: Unitary renormalization-group study of the Kondo model. **Phys. Rev. B** **105**, 085119 (2022)