

Conference On Condensed Matter Physics (CCMP2021) - Online

August 16th-18th, 2021, PRL, Ahmedabad

Day 1 (Monday, 16th August 2021)

9:45 AM-10:30 AM: Opening Ceremony

Session 1

10:30 AM - 11:30 AM	Nanjing University	Hai-Hu Wen	Superconducting gap structure and pairing mechanism in iron-based superconductors
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11:30 AM - 12:00 PM: Break

Session 2

12:00 PM - 1:00 PM	IISc Bangalore	Srimanta Middey	Designing quantum materials in atomic scale
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1:00 PM- 2:30 PM: Lunch Break

Session 3

2:30 PM - 3:15 PM	IMSc Chennai	Aman Abhishek	TBA
3:15 PM – 4:00 PM	Nordic Institute of Theoretical Physics	Pankaj Bhalla	Quantum Geometry Induced Second Harmonic Generation

4:00 PM – 4:30 PM: Break

Session 4

4:30 PM-5:15 PM	Jawaharlal Nehru University	Brijesh Kumar	Magnetization plateaus in a kagome-honeycomb quantum paramagnet
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5:15 PM – 8:00 PM: Break

Session 5

8:00 PM -9:00 PM	Ohio State University	Nandini Trivedi	Orbital Frustration and Topological Flat Bands
9:00 PM -10:00 PM	Theoretical Physics Institute, University of Minnesota	Andrey Chubukov	Superconductivity out of non-Fermi liquid

Day 2 (Tuesday, 17th August 2021)

Session 1

9:30 AM - 10:30 AM	University of California, Santa Cruz	Sriram Shastry	Towards unraveling the puzzling cuprates
10:30 AM - 11:30 AM	IISc Bangalore	Hulikal Krishnamurthy	Correlation induced metallicity, magnetism and superconductivity in band-insulators

11:30 AM - 12:00 PM: Break

Session 2

12:00 PM - 1:00 PM	HRI Allahabad	Pinaki Majumdar	Nonequilibrium steady state of the voltage driven Mott insulator
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1:00 PM- 2:30 PM: Lunch Break

Session 3

2:30 PM - 3:15 PM	Handique Girl's College, Guwahati	Kishore Dutta	Magnetoelastic coupling and critical behavior of some of the strongly correlated magnetic systems
3:15 PM - 4:00 PM	IISc Bangalore	Tanmoy Das	Twisted magnet: A Petri Dish for Novel Skyrmions

4:00 PM – 4:30 PM: Break

Session 4

4:30 PM – 5:15 PM	IIT Guwahati	Tapan Mishra	Re-entrant localization transition in a one-dimensional quasiperiodic lattice
5:15 PM – 6:00 PM	IISER Kolkata	Subhasis Sinha	Chaos and quantum scarring phenomena in collective models
8:30 PM -9:30 PM	Ohio State University	Mohit Randeria	Upper bounds on the superconducting transition temperature

Day 3 (Wednesday, 18th August 2021)

Session 1

9:30 AM - 10:30 AM	Institute of Physics, Bhubaneshwar	Ajit Srivastava	Probing high baryon density QCD phases in pulsar cores
10:30 AM - 11:30 AM	IISER Kolkata	Prasanta K. Panigrahi	Super solid phase of matter in ultracold atoms

11:30 AM - 12:00 PM: Break

Session 2

12:00 PM - 1:00 PM	Center for Emergent Science Riken	Shiro Sakai	Self-energy pole in doped Mott insulators and its relevance to high-T _c cuprates
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1:00 PM- 2:15 PM: Lunch Break

Session 3

2:15 PM - 3:00 PM	Institute of Nuclear Physics Polish Academy of Sciences Krakow, Poland	Arpan Das	Transport coefficients of strongly interacting matter
3:00 PM - 3:45 PM	IISER Mohali	Sanjeev Kumar	Antiskyrmions and Bloch Skyrmions in Dresselhaus metals

4:00 PM – 5:30 PM: Special Session (PRL ka Amrut Vyakhyaan)

5:30 PM- 6:45 PM: Poster Session

Poster Presentation: Please visit the poster tab on our website to browse the posters and if you have questions, please use the displaying meet links to ask the respective presenter

Session 4

6:45 PM - 7:30 PM	IISER Pune	Rejish Nath	Excitation and correlation dynamics in Rydberg atoms coupled to a photonic crystal waveguide
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7:30 PM-8:00 PM Closing Remarks