



ICTS

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TATA INSTITUTE OF FUNDAMENTAL RESEARCH

## **ICTS Seminar**

- Title : Landau ordering and other novel phase transitions beyond the Landau paradigm
- Speaker : Senthil Todadri, Massachusetts Institute of Technology, Cambridge
- Date : Wednesday, July 17, 2019
- Time : 3:00 PM
- Venue : Emmy Noether Seminar Room, ICTS Campus, Bangalore
- Abstract : I will discuss recent results on a variety of surprising quantum critical phenomena: examples will include multiple universality classes for the same phase transition, the concept of unnecessary quantum criticality, and Landau ordering transitions that are beyond the Landau paradigm. Time permitting I will describe a possible simple dual description of a strongly coupled 3+1-D quantum field theory.