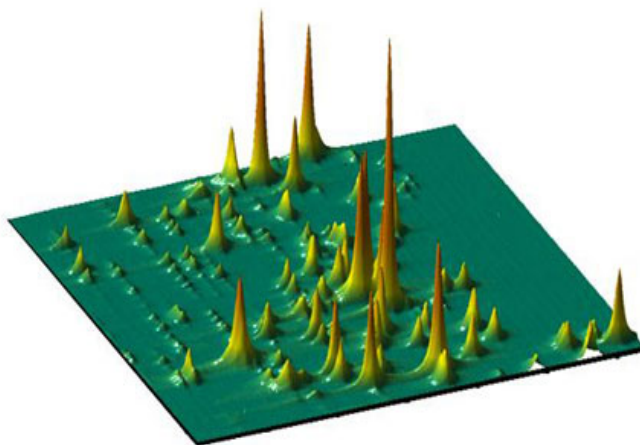


Mini-course

Phases and phase transitions in disordered quantum systems

Thomas Vojta
Missouri S&T

These lectures are intended for nonspecialists with the aim to introduce important basic concepts about the effects of quenched randomness in phases and phase transitions of quantum systems.



May 4th – 15th

	Mon 4th	Wed 6th	Mon 11th	Wed 13th	Fri 15th
8 - 9:30am		L2		L4	L5
10 - 11am	L1	T2	L3	T4	
11 - 11:30am	L1		L3		
2 - 3pm	T1		T3		

Lectures:

- L1. Classical and quantum phase transitions
- L2. Phase transitions in disordered systems
- L3. Strong-disorder renormalization group
- L4. Griffiths phases
- L5. Smeared phase transitions

Training sessions:

- T1. Quantum-to-classical mapping
- T2. Correlated disorder
- T3. Random-singlet phase
- T4. Percolation quantum phase transitions

Where: Room 18 – 1st floor, block F2 (crystallography hallway)

Details: www.ifsc.usp.br/~hoyos/vojtacourse.html

For further information, please contact José Hoyos at hoyos@ifsc.usp.br

