

Focus week “Tensor Networks and Entanglement”

Monday 18.6.

- 12:30 – 15:00 *Lunch*
- 15:00 – 16:00 German Sierra: *Equipartition of the entanglement entropy*
- 16:00 – 16:30 *Coffee*
- 16:30 – 17:30 Antoine Tilloy: *Continuous Tensor Network States of Quantum Fields*

Tuesday 19.6.

- 9:00 – 10:30 Roman Orus: *Introduction to 2D PEPS (Part I)*
- 10:30 – 11:00 *Coffee*
- 11:00 – 12:30 Roman Orus: *Introduction to 2D PEPS (Part II)*
- 12:30 – 15:00 *Lunch*
- 15:00 – 16:00 Burak Sahinoglu: *Error correcting tensor networks: How -to-/not to- do it.*
- 16:00 – 16:30 *Coffee*
- 16:30 – 17:30 Jose Ignacio Latorre

Wednesday 20.6.

- 9:00 – 10:30 Glen Evenbly: *Introduction to entanglement renormalization and the MERA (Part I)*
- 10:30 – 11:00 *Coffee*
- 11:00 – 12:30 Glen Evenbly: *Introduction to entanglement renormalization and the MERA (Part II)*
- 12:30 – 15:00 *Lunch*
- afternoon free for discussions
- 16:00 – 16:30 *Coffee*

Thursday 21.6.

- 9:00 – 10:30 Xiao-Liang Qi: *Random tensor networks and holographic duality (Part I)*
- 10:30 – 11:00 *Coffee*
- 11:00 – 12:30 Xiao-Liang Qi: *Random tensor networks and holographic duality (Part II)*
- 12:30 – 15:00 *Lunch*
- 15:00 – 16:00 Viktor Eisler: *Quantum fronts driven by inhomogeneities: DMRG vs. hydrodynamics*
- 16:00 – 16:30 *Coffee*
- 16:30 – 17:30 Joel Moore: *Applications of tensor networks to spin liquids and one-dimensional hydrodynamics*

Friday 22.6.

- 9:00 – 10:30 Erez Zohar: *PEPS with local (gauge) symmetries (Part I)*
- 10:30 – 11:00 *Coffee*
- 11:00 – 12:30 Erez Zohar: *PEPS with local (gauge) symmetries (Part II)*
- 12:30 – 15:00 *Lunch*