

Workshop on Quantum Information Theory- July 1-6, Seefeld, Austria

SUNDAY 1.7.

18:30 Ignacio Cirac Projected entangled pair states and many-body quantum systems

MONDAY 2.7.

9:00 Renato Renner Is a system's wave function in one-to-one correspondence with its elements of reality?

10:30 Julio de Vicente Understanding multipartite entanglement in systems of few particles

11:00 Frank Verstraete Quantum chi-squared and goodness of fit testing

16:00 Richard Jozsa Recalling subentropy

17:00 David Perez-Garcia Understanding RVB states with PEPS

17:30 Mathias Christandl The Quantum Marginal Problem

TUESDAY 3.7.

9:00 Stephanie Wehner (Un)certainty relations: constructions and open questions

10:30 Eric Chitambar The structure of LOCC operations

11:00 Jens Eisert Precisely timing dissipative quantum processes

16:00 Fernando Brandao Exponential decay of correlation functions implies area law

17:00 Runyao Duan Quantum effects in zero-error communication

17:30 Toby Cubitt Preparing topological states on a quantum computer

WEDNESDAY 4.7.

9:00 Michael Wolf Partial Quantum Information

10:30 Norbert Schuch An order parameter for symmetry-protected topological order

11:00 Jose Ignacio Latorre On Maximal Entanglement

THURSDAY 5.7.

9:00 Andreas Winter Towards limiting non-additivity: possible role of entanglement theory

10:30 Caslav Brukner TBA

11:00 Marco Piani Non-classical correlations in local broadcasting and entanglement distribution

16:00 David Gross TBA

17:00 Aram Harrow Permutations are approximately orthogonal

17:30 Robert Raussendorf Classical simulation of measurement-based quantum computation on higher-genus surface code states

FRIDAY 6.7.

9:00 Antonio Acin Randomness and non-locality

10:30 John Calsamiglia Abstention to bump up fidelity

11:00 Dan Browne Magic-state distillation for fault tolerant quantum computation in all prime dimensions

11:30 Fernando Pastawski Unforgeable noise-tolerant quantum tokens
