

Programme

Monday 22 June

9:30-10:00 Registration, coffee.

10:00-10:10 Opening

10:10-11:10 **D. Ueltschi**: Phase diagram of the spin 1 systems with $SU(2)$ -invariant interactions

11:10-11:30 Coffee

11:30-12:30 **R.Sims**: TBA

12:30-14:00 Lunch

14:00-15:00 **N. Kitanine**: XXZ spin chain: from the form factors to the asymptotic analysis

15:00-16:00 **V. Terras**: On the exact computation of finite size form factors in quantum integrable models

16:00-16:30 Coffee

16:30-17:30 **V. Jaksic**: Conductance and AC Spectrum

17:30-18:30 Welcome Reception

Tuesday 23 June

10:00-11:00 **F. Brandão**: Equivalence of ensembles from finite correlation length

11:00-11:30 Coffee

11:30-12:30 **N. Datta**: Entropy power inequalities for qudits

12:30-14:00 Lunch

14:00-15:00 **W. De Roeck**: TBA

15:00-15:30 **J. Richter**: Quantum selection of order in an anisotropic Kagomé antiferromagnet

16:00-16:30 Coffee

16:30-17:30 **S. Michalakis**: Spectral gaps from quantum correlations exploring the martingale method

Wednesday 24 June

10:00-11:00 **D. Pérez-García**: Undecidability of the spectral gap

11:00-11:30 Coffee

11:30-12:30 **J. Haegeman**: Shadows of anyons

12:30-14:00 Lunch

14:00-15:00 **S. Bachmann**: Scattering theory for gapped quantum spin systems

15:00-16:00 **J. Haah**: Many-body entanglement witness

16:00-16:30 Coffee

16:30-17:30 **P. Naaijkens**: Anyonic excitations of quantum spin systems and the quantum dimension