

Format of school / workshop:

INTRODUCTORY LECTURE

4 (45'+45' with 15' break)
lectures intended
to non-experts and students

SHORT- REVIEW

15 1-hour short-review invited talks

BLACK BOARD TALK...

1 1/2 hour black board talk

Research

11 3/4-hour research talks

WEEK 1

	<i>Monday February 15</i>	<i>Tuesday February 16</i>	<i>Wednesday February 17</i>	<i>Thursday February 18</i>	<i>Friday February 19</i>
9:00	Grégoire MISGUICH Introduction to quantum/frustrated magnets	Hanspeter BUCHLER Topological phases with Cold atoms in optical lattices	Norbert SCHUCH Introduction to Tensor Networks	Benoit ESTIENNE CFT and MPS methods for the FQHE : a quick introduction	Bela BAUER Chiral Spin Liquids
10:00	Coffee	Coffee	Coffee	Coffee	Coffee
10:15	lecture #2	lecture #2	lecture #2	lecture #2	Thorsten WAHL Chiral PEPS
11:00	LUNCH Discussions	LUNCH Discussions	LUNCH Discussions	LUNCH Discussions	LUNCH Discussions
16:30	Coffee	Coffee	Coffee	Coffee	Coffee
16:45	Federico BECCA Frustrated magnets (numerics)	Philippe LECHEMINANT 1D SU(N) ultracold fermions	Nicolas LAFLORENCIE Entanglement & Many-body localization	Andreas LAUCHLI State-of-the-art numerics	Matteo RIZZI TBA
17:45	Yasir IQBAL Quantum paramagnet in the Heisenberg model on the cubic lattice	Poster Session	Kasper DUIVENVOORDEN Bulk anyon condensation versus boundary symmetry protected topological order	Thomas QUELLA Chiral Haldane phases of SU(N) quantum spin chains in the adjoint representation	Jean-Marie STEPHAN Entanglement evolution after inhomogeneous quantum quenches, and the arctic circle
18:30					

Reception

WEEK 2

	<i>Monday February 22</i>	<i>Tuesday February 23</i>	<i>Wednesday February 24</i>	<i>Thursday February 25</i>	<i>Friday February 26</i>
9:00	Joost SLINGERLAND FQHE	Gunnar MOLLER FQHE in Higher Chern Number bands	German SIERRA Entanglement over the Rainbow	Nicolas REGNAULT MPS for FQHS	Benoit DOUÇOT Spin textures in multi-component quantum Hall ferromagnets
10:00	Coffee	Coffee	Coffee	Coffee	Coffee
10:15	Sylvain CAPPONI Quantum dimer models and their links to SU(2) spin models	Keisuke TOTSUKA Topological phases of quantum magnets at high field	David PEREZ-GARCIA TBA	Shuo YANG TNRG	Anne NIELSEN Excited states in fractional quantum Hall lattice models
11:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
	Discussions	Discussions	Discussions	Discussions	Discussions
16:30	Coffee	Coffee	Coffee	Coffee	Coffee
16:45	Fakher ASSAAD Entanglement spectra with QMC	Ignacio CIRAC Tensor Networks & Applications	Kai SCHMIDT Quasi-particle pictures from continuous unitary transformations	Jens EISERT Entanglement and many-body localisation revisited	Sofyan IBLISDIR TBA
17:45	Salvatore MANMANA TBA		Frank VERSTRAETE TBA	Frédéric MILA Exact diagonalisation of the SU(N) Heisenberg model	Cécile REPELLIN Projective construction of the Z_k Read-Rezayi fractional quantum Hall states and their excitations on the torus geometry
18:45		<i>Reception</i>			