

FORMAT

- ✻ **6 lectures (2 x 1h)**
- ✻ **12 invited talks (1h)**
- ✻ **20 (max) contributed talks (1/2 h)**

	<i>Sunday February 24</i>	<i>Monday February 25</i>	<i>Tuesday February 26</i>	<i>Wednesday February 27</i>	<i>Thursday February 28</i>	<i>Friday March 1st</i>
9:15		Lecture 1 Ronny Thomale	Lecture 1 Mark Goerbig	Thorsten Wahl	Lecture 2 Ronny Thomale	Lecture 2 Mark Goerbig
10:15		Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11:00		Roser Valenti	Flore Kunst		Leonardo Mazza	J. Hasik
12:00						J. Garre-Rubio
15:30		Lunch & Discussions	Lunch & Discussions	Lunch & Discussions	Lunch & Discussions	Lunch & Discussions
17:30	15:30 (airport) Bus ride to Benasque from Barcelona airport	Coffee	Coffee	Coffee	Coffee	
18:30		P. Ghosh	A. Jahn	A. Elben	Matteo Rizzi	
		A. Pulkin	I. Morera	P. Czarnik		
19:30		Inti Sodemann Villadiego	Adolfo Grushin	Tarik Yefsah	Nicolas Laflorencie	
	<i>Reception</i>					

	<i>Monday March 4</i>	<i>Tuesday March 5</i>	<i>Wednesday March 6</i>	<i>Thursday March 7</i>	<i>Friday March 8</i>	<i>Saturday March 9</i>
9:15	Lecture 1 Fakher Assaad	Lecture 1 Masaki Oshikawa	Lecture 2 Sid Parameswaran	Lecture 2 Frédéric Mila	N. Chepiga	9:00
10:15					O. Gauthé	
11:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break	Bus ride to Barcelona airport
	C.Sünderhauf	I. Frérot		Vanderstraeten	S. Szalay	
12:00		P. Schmoll		S. Jahromi	N. Tarantino	
	Lunch & Discussions	Lunch & Discussions	Lunch & Discussions	Lunch & Discussions	Lunch & Discussions	
	Coffee	Coffee	Coffee	Coffee		
17:30	Lecture 1 Frédéric Mila	Lecture 1 Sid Parameswaran	Lecture 2 Fakher Assaad	Lecture 2 Masaki Oshikawa		
18:30	A. Hallam					
19:30	M. Iqbal	Anna Sanpera	Anne Nielsen	Felix Von Oppen		

Reception

Contributed talks

Rényi entropies and topological invariants from correlations of randomized measurements, A. Elben, B. Vermersch, J. Yu, G. Zhu, M. Hafezi, P. Zoller

Majorana dimers and the holographic pentagon code, Alexander Jahn, Marek Gluza, Fernando Pastawski, Jens Eisert

Feynman path integrals over tensor networks, Andrew Hallam

First-principles diagrammatic methods, Artem Pulkin, Garnet Kin-Lic Chan

Localization with random time-periodic quantum circuits, Christoph Sünderhauf, David Pérez-García, David A. Huse, Norbert Schuch, J. Ignacio Cirac

Quantum correlations close to quantum critical points, Irénée Frérot, Tommaso Roscilde

Entanglement structure of a quantum simulator: the two-component Bose-Hubbard model, Ivan Morera, Artur Polls, Bruno Juliá-Díaz

Symmetry fractionalization detection without dimensional compactification using PEPS, José Garre-Rubio and Sofyan Iblisdir

Full update optimization in symmetry-broken and symmetry-preserving phases, Juraj Hasik, Federico Becca

Simulating excitation spectra with projected entangled-pair states, Laurens Vanderstraeten

Study of topological phase transitions by using tensor network states with virtual symmetries, Mohsin Iqbal, Norbert Schuch

Exotic criticality in comb tensor networks, Natalia Chepiga and Steven R. White

Disorder effects on SPT edge mode locality, Nicolas Tarantino, Marcel Goihl, Christian Krumnow, Marek Gluza, Jens Eisert

$SU(4)$ topological RVB spin liquid on the square lattice, Olivier Gauthé, Sylvain Capponi, Didier Poilblanc

Quantum criticality on a chiral ladder: an $SU(2)$ iDMRG study, Philipp Schmoll, Andreas Haller, Matteo Rizzi and Roman Orus

Time Evolution of an Infinite Projected Entangled Pair State: an Efficient Algorithm, Piotr Czarnik, Jacek Dziarmaga and Philippe Corboz

Chromium breathing pyrochlores: an exhibition of a variety of pyrochlore Hamiltonians, Pratyay Ghosh, Yasir Iqbal, Tobias Müller, Ronny Thomale, Johannes Reuther, Michel J. P. Gingras, and Harald O. Jeschke

A universal tensor network algorithm for any infinite lattice, Saeed S. Jahromi, Román Orús

On multipartite entanglement and multipartite correlations, Szilárd Szalay