

DAY 1

Monday July 6th	
Location	GreEn-ER, 21 avenue des martyrs
8:30 - 8:50 am	Opening
8:50 - 9:00 am	Introduction - Xavier Waintal
9:00 - 9:45 am	Miles Stoudenmire <i>New Trends in Tensor Network Algorithms</i>
9:45 - 10:30 am	
10:30 - 11:00 am	Coffee break
11:00 - 11:45 am	Miles Stoudenmire <i>New Trends in Tensor Network Algorithms</i>
11:45 - 12:30 pm	
12:30 - 2:00 pm	Lunch
2:00 - 2:45 pm	Lei Wang Generative models for physicists
2:45 - 3:30 pm	
3:30 - 3:45 pm	Coffee break
3:45 - 4:30 pm	Lei Wang Generative models for physicists
4:30 - 5:15 pm	

Interplay between neural and tensor networks.
July 6-10, 2026



DAY 2-3-4-5

DAY 2-3-4-5	Tuesday July 7th	Wednesday July 8th	Thursday July 9th	Friday July 10th
Location	Y.Spot Partners, 5 place Nelson Mandela	Y.Sport Partners	Y.Sport Partners	Y.Spot Partners
9:00 - 9:45 am	Yantao Wu Some recent progress on tensor network Monte Carlo	Miha Srdinšek Networks of tensor networks	Filippo Vicentini From Linear Algebra to Nonlinear Networks - and Back Again	Siddhant Midha Algorithmic Locality in Tensor Networks
9:45 - 10:30 am	Rizzi Matteo Efficient optimization and conceptual barriers in variational finite Projected Entangled-Pair States	Paul Cazeaux Randomized Sketching and Numerical Linear Algebra with Tensors	Markus Holzmann Exploring phase diagrams of quantum matter with neural quantum states	Hiroshi Shinaoka Building a Rust-Based Tensor Network Ecosystem with Agentic AI Engineering
10:30 - 11:00 am	Coffee break	Coffee break	Coffee break	Coffee break
11:00 - 11:45 am	José Ramón Pareja Monturiol Tensorization of neural networks into matrix product states for interpretable physical representations	Nisarga Paul Entanglement and expressivity in neural network quantum states	Joseph Tindall Quantum simulation with belief propagation and tensor networks	Wrap up talk
11:45 - 12:30 pm	Juan Carrasquilla Alvarez Entropy of randomized measurements at a quantum critical point and compression via neural networks	Anka Van De Walle Dualities and Generalized Symmetries in Neural Quantum States	Rutger Berns Scaling Neural Quantum States beyond 10000 quantum spins	
12:30 - 2:15 pm	Lunch	Lunch	Lunch	
2:15 - 3:00 pm	Introduce your poster with a 1 minute talk session	Eliška Greplová Neural Networks in Quantum Physics: An Interdisciplinary Perspective	Nils Niggeman Basis dependence of Neural Quantum States	
3:00 - 3:45 pm	Poster session	Poster session	Jannes Nys ETHZ Evolving variational quantum states	
3:45 - 4:15 pm	Coffee break	Coffee break	Coffee break	
4:15 - 5:00 pm	Poster session	Poster session	Yuriel Nunez Fernandes Interpolating millions of points in multidimensional functions	
5:00 - 5:45 pm	Poster session	Poster session	Free time	
			Conference dinner 7:30 Pm - 10:00 PM	