

Numerical Methods for Correlated Many-Body Systems

	Mon 11.	Tue 12.	Wed 13.	Thu 14.	Fri 15.
9.00-10.30	Weichselbaum	Schollwöck	Parcollet	Parcollet 9.00-10.00	Schuch
10.30-11.00	Coffee 10-10.30				
11.00-12.30	Schollwöck	White	Pollet	Strand/Wentzell, HO, 10.30-12.30	Pollet
12.30-14.30	Lunch				
14.30-16.00	Weichselbaum HO	Parcollet	free	Strand/ Wentzell, HO	free
16.00-16.30	Coffee			Coffee	
16.30-18.00	Hubig HO	Hubig HO		Corboz	
18.00/19.00-...	Poster	Dinner			

HO: Hands-on exercises

Philippe Corboz (Amsterdam): *Projected entangled pair states (PEPS) (introduction)*

Olivier Parcollet (Saclay): *Dynamical Mean Field Theory (DMFT) and impurity solvers, (HO on DMFT by H. Strand and N. Wentzell)*

Lode Pollet (LMU): *Quantum Monte Carlo methods*

Ulrich Schollwöck (LMU): *Matrix product states (MPS), Density matrix renormalization group (DMRG), (HO on MPS by C. Hubig)*

Norbert Schuch (MPQ): *PEPS (mathematical aspects)*

Andreas Weichselbaum (LMU): *Numerical renormalization group (NRG)*

Steve White (UC Irvine): *DMRG in two dimensions*