LECTIONES CLITVM	NALIÆ	28th-31st August		
electronic correlations	• Lectiones: 25+5	Invited Talks: 15+5		
DIES MARTIS – Afternoon 28th (15:00–16:10 coffee break 16:40–18:00)				
• Philipp Hansmann Correlated triangular lattices beyo	nd the local U limit	15:00		
Danny Mantadakis Doniach phase-diagram trends: Ab-initio calculations on Ce-base	ed compounds	15:30		
Marcel Klett Extensions of cluster dynamical m	lean-field theory	15:50		
<u>coffee break</u>		16:10		
• Georg Rohringer Impact of of nonlocal correlations	in strongly correlated ele	16:40 ctrons systems		
Erik van Loon Beyond the Hubbard model – Dua	al Boson perspective	17:10		
• Tim Wehling Non local Coulomb and Electron Correlated Electron Systems	Phonon interactions in	17:30		
DIES MERCURII – Morning 29th(9:00-10:20 coffee break 11:00-12:30)				
• Karsten Held Quantum criticality and supercond	ductivity – a D Г A perspe	09:00		
• Jan Tomczak Realistic many-body theory of Ko Renormalizations and fluctuations		09:30		
Lorenzo del Re Progresses in the DFA: From the attractive case to its exte	ensions to broken symmet	10:00 ry phases		
<u>coffee break</u>		10:20		
Thomas Schäfer Surely, you're joking, Mr. Feynma The breakdown of traditional diag		11:00 neory		

Patrick Chalupa Irreducible Vertex Divergences: Insights from the Anderson Impurity Model	11:20			
• Sergio Ciuchi Breakdown of perturbation theory in "non-correlated" models	11:40			
Demetrio Vilardi Functional RG for strongly interacting fermion systems	12:10			
lunch and trip to Montefalco afterwards	12:30			
DIES IOVIS – Morning 30th (9:30–10:50 coffee break 11:30–12:30)				
• Massimo Capone Non-equilibrium dynamics of correlated materials: Towards ultrafast orbital manipulation of functionality	09:30			
Angelo Valli Interplay between electronic correlations and symmetry breaking in quantum transport	10:00			
• Dante Kennes Floquet engineering in quantum spin chains and beyond	10:20			
coffee break with group picture	10:50			
Fabian Kugler Multiloop fRG: Exact flow equations from the self-consistent parquet relations	11:30			
Cornelia Hille Multiloop functional renormalization group for the two-dimensional Hubbard model	11:50			
Agnese Tagliavini Loop convergence of the response functions	12:10			
lunch	12:30			
DIES IOVIS – Afternoon 30th (15:00–16:20 coffee break 16:50–18	<u>8:00)</u>			
• Lilia Boeri Surprises of high pressure physics	15:00			
Andreas Hausoel Local magnetic moments in iron and nickel at ambient and Earth's core conditions	15:30			

• Mario Cuoco AF semimetals and topological phases combining superconductivity and magnetism	15:50			
<u>coffee break</u>	16:20			
• Emanuel Gull Diagrammatic Monte Carlo for real-time propagation	16:50			
Tilmann Enss Quantum anomaly and transport in the 2D Fermi gas	17:20			
David Jacob Many-body spectral functions from steady state density functional theory	17:40			
DIES VENERIS – Morning 31st (9:00–10:10 coffee break 10:40–12:30)				
• Luca de' Medici Hund's metals explained	09:00			
Daniel Springer Osmates on the verge of a Hund's-Mott transition: The different fates of NaOsO ₃ and LiOsO ₃	09:30			
Philipp Eck Towards Topological Quasi-Freestanding Stanene via Substrate Engineering	09:50			
<u>coffee break</u>	10:10			
Domenico Di Sante Unconventional Superconductivity in Compensated Dirac Semimetals	10:40			
Adriano Amaricci Strong correlation effects in topological insulators	11:00			
• Ronny Thomale Topolectrical circuits	11:20			
concluding remarks	11:50			
lunch				
shuttle to Trevi station				

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