



2nd SFB 1225 ISOQUANT Workshop
 Institute for Theoretical Physics, Heidelberg University
 02-05 May 2018

	Wednesday, May 02		Thursday, May 03		Friday, May 04		Saturday, May 05	
SPECIAL TOPICS MEETINGS 09:00-12:00 (Seminar Rooms, Phil 12)	09:00-10:30 Blind data analysis/ Bayesian analysis Convener: K. Blaum (MPIK), M. Weidemüller (PI) SR 107a/107b		09:00-10:30 Topic Convener: SR 107a/107b		09:00 - 10:30 Non-standard cooling methods Convener: K. Blaum (MPIK) CIP-Pool		09:00 -10:00 Probing the QCD phase structure with heavy quarks (C05) (Grosser Hörsaal, Phil 12)	
	10:30-12:00 Many-body approaches to precision measurements Convener: J. Crespo (MPIK) SR 107a/107b		10:30 -12:00 Machine learning Convener: T. Gasenzer (KIP) SR 107a/107b		10:30 - 12:00 Entanglement entropy/non-collisional origin of hydrodynamic & thermodynamic properties Convener: T. Enss (ITP), S. Flörchinger (ITP), M. Oberthaler (KIP) CIP-Pool		10:15 -11:15 From QCD transport to particle yields (A02) (Grosser Hörsaal, Phil 12)	
	LUNCH BREAK WITH CATERING AND POSTER PRESENTATION (Hallway 1st floor, Phil 12) 12:00 - 13:00		LUNCH BREAK WITH CATERING AND POSTER PRESENTATION (Hallway 1st floor, Phil 12) 12:00 - 13:00		LUNCH BREAK WITH CATERING AND POSTER PRESENTATION (Hallway 1st floor, Phil 12) 12:00 - 13:00		COFFEE BREAK 11:15-11:45	
TALKS 13:00-18:00 (Grosser Hörsaal, Phil 12)	13:00-14:00	Introductory Talk (J.Berges)	13:00-14:00	Nonequilibrium dynamics and relaxation in many-body quantum systems (A03)	13:00-14:00	Dynamics of quantum spin systems with long-range interactions (A05)	11:45-12:45	Flow and fluctuations in relativistic heavy ion collisions (C06) (Grosser Hörsaal, Phil 12)
	14:15-15:15	Probing quantum phase transitions with quenches: Universality far from equilibrium (A04)	14:15-15:15	Strongly correlated fermions (C01)	14:15-15:15	Initial state and thermalisation dynamics in heavy-ion collisions (A01) & Quantum dynamics of strong gauge fields and condensates (B03)	Nonequilibrium dynamics and relaxation in many-body quantum systems (A03)	
	15:15-15:45	COFFEE BREAK	15:15-15:45	COFFEE BREAK	15:15-15:45	COFFEE BREAK		
	15:45-16:45	Cold atom gauge theories (B04)	15:45-16:45	Precision physics in strong-field QED and limits on the time variation of fundamental constants (B01)	15:45-16:45	Raju Venugopalan: tba		
	17:00-18:00	From few to many: ultracold atoms in reduced dimensions (C02) & Fermi-Bose mixtures with large mass ratio (C03)	17:00-18:00	Strong-field physics with nuclei and highly charged ions (B02)	17:00-19:00	Physikalisches Kolloquium		