

*Annual Workshop of the Kepler-Kolleg:
Particles, Fields and Messengers of the Universe
(October 05 – 07, 2016, Freudenstadt-Lauterbad)*

WORKSHOP PROGRAM

(OT)= Overview and Introductory talks, (ST) Short contributions; 45 min and 25 min (including 5 min discussion)

Wednesday, October 5th

	Arrival	
12:30 – 13:30	Lunch / Coffee/Room Check in	
13:30 – 13:45	Josef Jochum	Welcome – Rules of the game
Chair: Barbara Jäger		
13:45 – 14:30	Christoph Borschensky - OT	An overview of collider phenomenology
14:30 – 14:55	Anton Stoyanov - ST	Higgs pair production at the LHC
14:55 – 15:40	Cornelia Heinitz- OT	XMM-Newton: Calibrating an X-ray satellite
15:40 – 15:50	<i>questions, discussions – students only</i>	
15:50 – 16:35	Coffee Break	
Chair: Andrea Santangelo		
16:35 – 17:00	Vadim Vybornov - ST	Study of the cyclotron line energy dependence on luminosity in the accreting pulsar Cep X-4
17:00 – 17:25	Martin Uffinger - ST	Alternative materials for the CRESST experiment
17:25 – 17:50	Sebastian Völkel - ST	Gravitational waves from compact objects
17:50 – 18:00	<i>questions, discussions – students only</i>	
18:20	Dinner	
19:30 – 20:30	Stefan Teufel <i>Fachbereich Mathematik Uni Tübingen</i>	Bell's theorem and what it tells us about nature

Thursday, October 6th

7:30 – 8:30	Breakfast	
Chair: Rudi Schmidt		
8:30 – 9:15	Martin Schmidt - OT	Overview on ALICE jet physics
9:15 – 9:40	Iaroslav Panasenko - ST	Quality assurance procedures for the CBM silicon detector
9:40 – 10:05	Lauro Conti - ST	Development of MCP detectors for UV space missions
10:05 – 10:15	<i>questions, discussions – students only</i>	
10:15 – 11:00	Coffee Break	
Chair: Werner Vogelsang		
11:00 – 11:25	Denny Hoyer - ST	Hydrogen-deficient stars entering the white dwarf cooling track
11:25 – 11:50	Martin Lambertsen - ST	Drell-Yan lepton angular distributions in perturbative QCD
11:50 – 12:15	Tom Kaufmann - ST	In-jet fragmentation
12:15 – 12:25	<i>questions, discussions – students only</i>	
12:30 – ...	Lunch / Coffee	
... – 17:00	free time (discussion, hiking, ...)	
Chair: Hugo Reinhardt		
17:00 – 17:45	Peter Vastag - OT	Hamiltonian approach to QCD in Coulomb gauge
17:45 – 18:10	Ehsan Ebadati - ST	Variational approach to the quark sector of QCD
18:10 – 18:20	<i>questions, discussions – students only</i>	
18:20	Dinner	
19:30 – 20:30	Abendseminar	

Friday, October 7th

7:30 – 8:30	Breakfast	
Chair: Klaus Werner		
8:30 – 9:15	Massimo Capasso - OT	Ground-based gamma-ray astronomy with imaging air Cherenkov telescopes
9:15 – 9:40	Daniel Gottschall - ST	Search for new supernova remnant shells and the classical nova Sgr 2015 No.2 with H.E.S.S.
9:40 – 10:05	Stephan Scholl - ST	BackgroundsStudies for the ECHO experiment
10:05 – 10:15	<i>questions, discussions – students only</i>	
10:15 – 11:00	Coffee Break	
Chair: Josef Jochum		
11:00 – 11:25	Oliver Wandel - ST	Main belt comets
11:25 – 11:50	Michael Gschwender - ST	Preparations for the SOX experiment
11:50 – 12:00	<i>questions, discussions – students only</i>	
12:00 – 12:30	Votes / Prizes	
12:30 – ...	Lunch / Coffee	
	If needed further discussions trip back to Tübingen	

END