

*Annual Workshop of the Kepler-Kolleg:
Particles, Fields and Messengers of the Universe
(September 24 – 26, 2018, Kloster Obermarchtal)*

WORKSHOP PROGRAM

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

Monday, September 24th

	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	<i>Particle physics at the LHC: How to connect with dark matter</i>	OT, Julien Baglio
14:30 – 14:55	<i>Dark matter pair-production in the MSSM and simplified models at the LHC</i>	ST, Gabriele Coniglio
14:55 – 15:20	<i>Epsilon Eridani and Iota Horologi: two examples of X Ray activity cycle in young solar-like stars</i>	ST, Martina Coffaro
15:20 – 15:45	<i>Prototype data analysis for FlashCam, a fully digital camera for CTA</i>	ST, Manfredi Scalici
15:45 – 15:55	<i>questions, discussions – students only</i>	
15:55 – 16:35	Coffee Break	
Chair: Rudi Schmidt		
16:35 – 17:00	<i>Simulation Studies of a Breast PET/MR Insert for a Clinical PET/MR Scanner</i>	ST, Christian Pommranz
17:00 – 17:45	<i>ALICE Physics Overview</i>	OT, Martin Völkl
17:45 – 18:10	<i>Track Based Alignment</i>	ST, Susovan Das
18:10 – 18:20	<i>questions, discussions – students only</i>	
18:30	Dinner	
<i>kein Abendprogramm – freier Abend</i>		

Tuesday, September 25th

7:30 – 8:30	Breakfast	
Chair: Klaus Werner		
8:30 – 8:55	<i>Testing 20'000 PMTs for JUNO</i>	ST, Alexander Tietzsch
8:55 – 9:20	<i>Cosmogenic Background Discrimination for the JUNO Experiment</i>	ST, Axel Müller
9:20 – 9:45	<i>Indirect Dark Matter Search with the JUNO experiment</i>	ST, David Blum
9:45 – 10:10	<i>Cavity enhanced attenuation measurement of liquid scintillators</i>	ST, Tobias Heinz
10:10 – 10:20	<i>questions, discussions – students only</i>	
10:20 – 11:00	Coffee Break	
Chair: Beate Stelzer		
11:00 – 11:25	<i>Building a UV-MCP-Detector for use on a stratospheric ballon mission (ESBO-DS)</i>	ST, Lars Hanke
11:25 – 11:50	<i>Stellar Laboratories: High-precision Atomic Physics with Hubble Space Telescope</i>	ST, Alexander Landstorfer
11:50 – 12:15	<i>Analysis of SiECA Data from EUSO-SPB Flight</i>	ST, Tobias Jammer
12:15 – 12:25	<i>questions, discussions – students only</i>	
12:30 – ...	Lunch / Coffee	
13:30 – 16:30	free time (discussion, hiking, visiting brewery ...)	14:30 – 16:00 Brewery Tour Brauerei Berg Ehingen (~ 14km drive => need cars)
16:30 – 17:00	Coffee	
Chair: Tobias Lachenmaier		
17:00 – 17:45	<i>Numerical Simulations of General Relativistic Neutron Stars</i>	OT, Christian Krüger
17:45 – 18:10	<i>The Gravitational Higgs Mechanism</i>	ST, Andrew Coates
18:10 – 18:20	<i>questions, discussions – students only</i>	
18:30	Dinner	
19:30 – 20:30	Physics and Music	David Wharam

Wednesday, September 26th

7:30 – 8:30	Breakfast	
Chair: Josef Jochum		
8:30 – 9:15	<i>The Sound of Relativistic Objects - a Cosmic Orchestra</i>	OT, Sebastian Völkel
9:15 – 10:00	<i>Testing Strong Gravity with X-ray Reflection Spectroscopy</i>	OT, Sourabh Nampalliwar
10:00 – 10:25	<i>Next-to-Leading Order QCD Corrections to Inclusive Heavy-Flavor Production in Polarized Deep-Inelastic Scattering</i>	ST, Felix Hekhorn
10:25 – 10:35	<i>questions, discussions – students only</i>	
10:35 – 11:05	Coffee Break	
Chair: Rudi Schmidt		
11:05 – 11:50	<i>CBM Physics Overview</i>	OT, Kshitij Agarwal
11:50 – 12:15	<i>STS Detector</i>	ST, Evgeny Lavrik
12:15 – 12:25	<i>questions, discussions – students only</i>	
12:30 – 13:30	Lunch	
Chair: Tobias Lachenmaier		
13:30 – 13:55	<i>Numerical Simulation of Dust Agglomerates</i>	ST, Lukas Jordan
13:55 – 14:20	<i>The Formation of Planetary Proto-Atmospheres</i>	ST, Tobias Moldenhauer
14:20 - 14:30	<i>questions, discussions – students only</i>	
14:30 – 15:30	<i>Discussions - Prices</i>	

END