

*Annual Workshop of the Kepler-Kolleg:
Particles, Fields and Messengers of the Universe
(October 6-8, 2014, Kloster Heiligkreuztal)*

WORKSHOP PROGRAM

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

Monday, October 6th

	Arrival	
12:30 – 13:30	Lunch / Coffee/Room Check in	
13:30 – 13:45	Josef Jochum	Welcome – Rules of the Game
Chair: H.Reinhardt		
13:45 – 14:30	Hamiltonian approach to QCD in Coulomb gauge	OT – Peter Vastag
14:30 – 14:55	Fermions in 1+1 Dimensions in the Hamiltonian Approach	ST – Ehsan Ebadati
14:55 – 15:20	GPU Computing	ST – Daniel Thun
15:20 – 15:45		
15:45 – 15:55	<i>questions / discussions students only</i>	
15:55 - 16:15	Coffee Break	
Chair: W.Kley		
16:15 – 16:40	QCD as a video game	ST - Hannes Vogt
16:40 – 17:05	Planet Migration	ST - Christoph Dürmann
17:05 – 17:30	SiPM Kamera	ST- Tobias Jammer
17:30 – 18:15	CRESST Dark Matter Search	OT – Christian Strandhagen
18:15 – 18:25	<i>questions / discussions students only</i>	
18:30	Dinner	
19:30 – 20:30	Rosetta: Hunting the Comet	Paolo Ferri <i>Head, Mission Operations Department at European Space Operations Centre, ESA</i>

Tuesday, October 7th

	Breakfast	
Chair: B.Jäger		
8:30 – 9:15	Particle Physics at High Energy Colliders	OT- Julien Baglio
9:15 – 9:40	Susceptibilities in the Linear Sigma Model	ST – Matthias Kesenheimer
9:40 – 10:05	Detector Developments for Future UV Space Missions	ST- Sebastian Diebold
10:05 – 10:15	<i>questions / discussions students only</i>	
10:15 – 10:35	Coffee Break	
Chair: K.Werner		
10:35 – 11:00	Development of low-power readout electronics for advanced microchannel plate detectors	ST- Marc Pfeifer
11:00 – 11:25	Planetary Remnants around White Dwarfs	ST – Stephan Hartmann
11:25 – 11:50	Stellar evolution in real time	ST – Nicole Reindl
11:50 – 12:00	<i>questions / discussions students only</i>	
12:15 – 13:15 !!	Lunch / Coffee	
13:30 – 16:00	Tour Sigmaringen Castle	
Chair: W.Vogelsang		
16:20 – 17:05	The Structure of the Nucleon	OT- Marc Schlegel
17:05 – 17:30	Small Transverse Momenta in pQCD	ST – Martin Lambertsen
17:30 – 17:55	Jets at higher order	ST- Patriz Hinderer
17:55 – 18:20	When the mass comes into play: a kinematic correction to standard pQCD calculations	ST – Daniele Anderle
18:20 – 18:30	<i>questions / discussions students only</i>	
18:30	Dinner	
19:30 – 20:30	Neutrino Astronomy	Marek Kowalski <i>Humboldt University Berlin & DESY Zeuthen</i>

Wednesday, October 8th

	Breakfast	
Chair: T.Lachenmaier		
8:30 – 9:15	Gravitational Wave Sources through Numerical Relativity	OT – Tanja Bode
9:15 – 9:40	FlashCam, a high speed camera for CTA	ST – Felix Eisenkolb
9:40 – 10:05	Cosmogenic Products ion Double Chooz	ST – Lee Stokes
10:05 – 10:15	<i>questions / discussions students only</i>	
10:15 – 10:35	Coffee Break	
Chair: R.Schmidt		
10:35 – 11:00	Pyroelectric Ion Accelerator	ST – Eduard Friske
11:00 – 11:25	CBM STS CO2 cooling R&D results	ST – Evgeny Lavrik
11:25 – 11:35	<i>questions / discussions students only</i>	
11:35 – 12:30	Votes, Prizes, Farewell	
12:30 – 13:30	Lunch / Coffee	

END