

Annual Workshop of the Kepler-Kolleg: Particles, Fields and Messengers of the Universe

(October 5-7, 2011, Liborihof, Todtmoos)

WORKSHOP PROGRAM

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

Wednesday, October 5th

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| | Arrival | |
| 12:30 – 13:30 | Lunch | |
| 13:30 – 13:45 | Josef Jochum | Welcome – Rules of the Game |
| Chair: Heinz Clement | | |
| 13:45 – 14:30 | Elena Perez del Rio - OT | From the ABC Effect to the ABC Resonance |
| 14:30 – 15:15 | Markus Röhling - OT | Double Chooz - Neutrinooscillations |
| 15:15 – 15:40 | Dennis Dietrich - ST | Double Chooz Muon Veto |
| 15:40 - 16:30 | Coffee Break + Room Check In | |
| Chair: Andrea Santangelo | | |
| 16:30 – 16:55 | Daniel Maier - ST | Auslese- und Steuerelektronik einer DePFET-Matrix |
| 16:55 – 17:20 | Benjamin Mück - ST | XMM-Newton: Calibration, Simulation & Analysis |
| 17:20 – 17:45 | Thomas Mernik – ST | It Came From Outer Space - UHECR Reconstruction for the JEM-EUSO Mission |
| 17:45 – 18:10 | Raphael Falkenstein - ST | Characterisation SiPM |
| 18:30 | Dinner | |
| 19:30 – 20:30 | Manfred Erve – AREVA Erlangen | A vendors view on Nuclear Energy after the Fukushima Incident |

Thursday, October 6th

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| | Breakfast | |
| Chair: Klaus Werner | | |
| 8:30 – 8:55 | Gabriele Warth - ST | Hot Interstellar Medium in the Large Magellanic Cloud |
| 8:55 – 9:40 | Davide Vasco – ST | X-ray observations of Her X-1 |
| 9:40 – 10:05 | Daniela Müller - ST | Analysis on the Be/X-ray binary A0535+26 |
| 10:10 – 10:40 | Coffee Break + Dozentenmeeting | |
| Chair: Hugo Reinhardt | | |
| 10:40 – 11:25 | Jan Heffner - OT | Yang-Mills theory at finite temperature in Coulomb gauge |
| 11:25 – 11:50 | Markus Pak - ST | Chiral Symmetry Breaking in Hamiltonian approach to QCD |
| 11:50 – 12:15 | Markus Leder - ST | Hamiltonian Flow in Coulomb Gauge Yang-Mills Theory |
| 12:15 – 13:00 | Lunch | |
| | hiking, discussing, or both | |
| 16:00 - 16:30 | Coffee Break | |
| Chair: Peter Grabmayr | | |
| 16:30 – 17:15 | Kai Freund - OT | GERDA- Looking for Neutrinoless Double Beta Decay |
| 17:15 – 17:40 | Alexander Hegai - ST | GERDA Double Beta Decay Search |
| 17:40 – 18:25 | Marc Pfeifer - OT | The World Space Observatory Ultraviolet and Tübingen´s contribution |
| 18:30 | Dinner | |
| 19:30 – 20:30 | Gerhard Willeke – ISE Freiburg | Renewable Energy |

Friday, October 7th

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| | Breakfast | |
| Chair: Hans Rudolf Schmidt | | |
| 8:30 – 9:15 | Stephan Hartmann – OT | Planetary debris disks around white dwarfs |
| 9:15 – 10:00 | Erich Gaertig - OT | Neutron star dynamics and gravitational waves |
| 10:00 – 10:25 | Antonella Colaiuda - ST | Oscillations of Magnetars |
| 10:30 – 11:00 | Coffee Break | |
| Chair: Josef Jochum | | |
| 11:00 – 11:25 | Daniela Doneva - ST | Charged black holes in scalar-tensor theories of gravity |
| 11:25 – 12:10 | Christian Strandhagen - OT | Dark Matter Search |
| 12:10 – 12:35 | Christof Sailer - ST | Scintillating Low-Temperature detectors |
| 12:35 – 13:00 | Votes, Prizes, Farewell | |
| 13:00 – 13:30 | Lunch | |

END