



**Schedule Meeting June 17, 2011**  
**DFG Research Unit 960 Quantum Phase Transitions**  
 Seminarraum Theoretische Physik, Uni Köln, Zùlpicher Str. 77, 50937 Köln

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|-------|----|--------------------------------------------------------------------------------------------------------------------------|
| 10:00 |    | <b>Coffee</b>                                                                                                            |
| 10:30 | P1 | C. Geibel<br>"On the way to a ferromagnetic quantum critical point"                                                      |
| 10:45 | P4 | P. Schmakat<br>"Neutron depolarization imaging of the Kondo system $CePd_{1-x}Rh_x$ "                                    |
| 11:00 | P6 | J. Reuther<br>"An FRG approach for the Heisenberg-Kitaev model"                                                          |
| 11:15 |    | <b>Coffee</b>                                                                                                            |
| 11:30 | P4 | M. Hirschberger<br>"Transverse field Ising quantum phase transitions in single-crystal $Nb_{1-y}Fe_{2+x}$ "              |
| 11:45 | P2 | O. Stockert<br>"Magnetic order in $CePd_{1-x}Ni_xAl$ close to quantum criticality"                                       |
| 12:00 | P3 | T. Meng<br>"Multiple dynamical exponents at quantum critical points"                                                     |
| 12:15 | P7 | M. Wissinger<br>"Critical behavior of $(Ca,Sr)RuO_3$ "                                                                   |
| 12:30 |    | <b>Lunch</b>                                                                                                             |
| 13:45 | P1 | Y. Tokiwa<br>"Kondo-breakdown or Zeeman-driven Lifshitz transition: effect of hole and electron doping in $YbRh_2Si_2$ " |
| 14:00 | P2 | H. v. Löhneysen<br>"Towards a quantum-critical line in the $(B,p,T)$ phase diagram of $CeCoIn_5$ "                       |
| 14:15 | P3 | L. Fritz:<br>"Detecting hot lines on quantum critical Fermi surfaces by means of magneto-oscillations"                   |
| 14:30 | P6 | P. Schmitteckert<br>"Can quantum phase transitions be described within DFT?"                                             |
| 14:45 |    | <b>Coffee</b>                                                                                                            |
| 15:00 | P5 | N. Büttgen<br>"Quantum critical behavior in itinerant transition-metal oxides"                                           |
| 15:25 | P9 | R. Bulla<br>"Heavy-fermion metals and Kondo criticality"                                                                 |
| 15:40 |    | Discussion on Hot Topics and Big Questions                                                                               |
| 16:45 |    | <b>End of Meeting; individual discussions</b>                                                                            |