

17<sup>th</sup> Meeting of SFB/TR9

Computational Particle Physics

20<sup>th</sup> until 21<sup>st</sup> March 2012

in Karlsruhe

## Tuesday, 20<sup>th</sup> March 2012

9:00 – 9:30	C4: Benedikt Biedermann (HU Berlin): <i>Numerical evaluation of matrix elements for multi-jet production at next-to-leading order</i>
9:35 – 9:55	B5: Lisa Edelhaeuser (RWTH Aachen): <i>Spin determination for new physics at hadron colliders</i>
10:00 – 10:20	B5: Kathrin Walz (KIT): <i>Higgs mass in the NMSSM</i>
10:25 – 10:45	B5: Duc Ninh Le (KIT): <i>NLO EW corrections to <math>H^{\pm}tb</math> production at the LHC</i>
10:50 – 11:20	Coffee Break
11:20 – 11:40	B1: Tord Riemann (DESY Zeuthen): <i>New results on tensor reduction</i>
11:45 – 12:05	B1: Andrea Almasy (DESY Zeuthen): <i>Generalized double-logarithmic large-<math>x</math> resummation in inclusive DIS and SIA</i>
12:10 – 12:30	B1: Michal Czakon (RWTH Aachen): Top-quark production at NNLO
12:35 – 12:50	B3: Alexander Hasselhuhn (DESY Zeuthen): <i>First 3-loop contributions to <math>A_{gg}</math> and <math>A_{gq}</math> for general values of <math>N</math></i>
12:55 – 14:00	Lunch Break
14:00 – 15:30	Internal project discussions and Coffee Break
15:30 – 15:45	C1 : Michele Della Morte ( Mainz University): <i>HQET flavour currents from QCD</i>
15:50 – 16:10	C1: Dirk Hesse (NIC, DESY Zeuthen/Parma University): <i>Automated perturbation theory in the Schroedinger Functional and HQET flavour currents</i>
16:15 – 16:35	B2: Patrick Fritzscht (HU Berlin): <i>Update on <math>V_{ub}</math> from <math>B \rightarrow \tau\nu</math></i>
16:40 – 17:00	C1: Juergen Rohrwild (RWTH Aachen): <i>B meson distribution amplitude from <math>B \rightarrow \gamma\ell\nu</math></i>
17:15 – 19:00	Projektleiterbesprechung

**Wednesday, 21<sup>st</sup> March 2012**

9:00 – 9:30	A4: Florian Burger (HU Berlin): <i>Lattice QCD with Wilson-twisted mass fermions: the nonzero temperature case</i>
9:35 – 10:00	C3: Charlotte Hellmann (RWTH Aachen): <i>Sommerfeld enhancement effect in neutralino relic abundance calculations</i>
10:05 – 10:25	C3: Peter Marquard (KIT): <i>Three-loop matching coefficient of the vector current</i>
10:30 – 10:50	A2: Takahiro Ueda (KIT): <i>News from ParFORM</i>
10:55 – 11:20	Coffee Break
11:20 – 11:50	C3: Jens Salomon (KIT): <i>Gauge Coupling Beta Functions in the Standard Model to Three Loops</i>
11:55 – 12:15	A1: Max Zoller (KIT): <i>Three-Loop Beta Function: Higgs-, Yukawa- and QCD-Sector Combined</i>
12:20 – 12:40	A1: Konstantin Chetyrkin (KIT): <i>The Ellis-Jaffe Sum Rule to Four-Loop</i>
12:45 – 13:05	A1: Jorge Mondejar (KIT): <i>Anomalous Contributions to <math>K \rightarrow \pi \nu \bar{\nu}</math></i>
13:10	Lunch and Departure