

14th Meeting of SFB/TR9

Computational Particle Physics

9th and 10th December 2010

in Karlsruhe

Thursday, 9th December 2010

8:30 – 9:50	<p>A1</p> <p>K. Chetyrkin (KA): <i>Singlet Contributions to the Vector Correlator. Part 1 (25' + 5')</i></p> <p>J. Rittinger (KA): <i>Singlet Contributions to the Vector Correlator. Part 2 (20' + 5')</i></p> <p>M. Rogal (KA): <i>Towards the four-loop anomalous dimensions (20' + 5')</i></p>
9:50 – 10:15	<p>A2</p> <p>V. Smirnov (KA): <i>Feynman integrals to higher orders in epsilon by dimensional recurrence relations (20' + 5')</i></p>
10:15 – 10:40	Coffee Break
10:40 – 11:25	<p>A4</p> <p>F. Burger (HU): <i>Condensates from Lattice Landau Gauge Fermion Propagators (12' + 3')</i></p> <p>M. Wagner (HU): <i>Status of $N_f = 2 + 1 + 1$ flavor twisted mass lattice QCD simulations (25' + 5')</i></p>
11:25 – 12:05	<p>B1</p> <p>B. Tausk (DZ): <i>Evaluation of tensor integrals with Olotic (40')</i></p>
12:05 – 12:35	<p>B2</p> <p>F. Bernardoni (DZ): <i>Determination of a low energy coupling for pions on the lattice (25' + 5')</i></p>
12:35 – 14:00	Lunch Break
14:00 – 14:45	<p>B3</p> <p>J. Blümlein (DZ): <i>Recent perturbative results (25' + 5')</i></p> <p>S. Dinter (DZ): <i>Status of nucleon matrix element calculations with $N_f = 2 + 1 + 1$ (twisted mass fermions) (12' + 3')</i></p>
14:45 – 15:00	Wechsel ins Physikhochhaus
15:00 – 16:30	Internal project discussions
16:30 – 17:00	Coffee Break (im 11. OG)
17:00 – 18:30	Besprechung der Projektleiter 11. OG Bibliothek
ab 19:00	gemeinsames Abendessen

Friday, 10th December 2010

8:15 – 8:45	<p>B4</p> <p>S. Klein (AC): <i>Soft and Coulomb resummation of the hadronic top pair production cross section (25' + 5')</i></p>
8:45 – 10:15	<p>B5</p> <p>P. Uwer (HU): <i>The Harmonic Oscillator of One-Loop Calculations (25' + 5')</i></p> <p>H. Rzehak (KA): <i>SUSY QCD corrections to Higgs production via gluon fusion (25' + 5')</i></p> <p>N. Baro (AC): <i>One-loop renormalisation of the MSSM EW sector and linear colliders (25' + 5')</i></p>
10:15 – 10:45	Coffee Break
10:45 – 11:55	<p>C1</p> <p>J. Rohrwild (AC): <i>$B \rightarrow \gamma \ell \nu$ and the inverse moment of the B meson distribution amplitude (25' + 5')</i></p> <p>M. Donnelan (DZ): <i>$B^* B \pi$ coupling (20' + 3)</i></p> <p>J. Bulava (DZ): <i>$V_{ub}: B \rightarrow \tau \nu$ versus $B \rightarrow \pi \ell \nu$ (15 + 2')</i></p>
11:55 – 13:30	Lunch Break
13:30 – 14:30	<p>C3</p> <p>J. Piclum (AC): <i>Lamb Shift and Hyperfine Splitting in Hydrogen-like Atoms (25' + 5')</i></p> <p>M. Kauth (KA): <i>Gluino Pair Production Close to Threshold (25' + 5')</i></p>
14:30 – 14:55	<p>C5</p> <p>J. Salomon (KA): <i>Minimal Supersymmetric $SU(5)$ and Gauge Coupling Unification at Three Loops (20' + 5')</i></p>
14:55 – 16:00	<p>Pauschale Mittel</p> <p>W. Martens (KA): <i>Towards two-loop matching of gauge couplings in GUTs (20' + 5')</i></p> <p>M. Czakon (AC): <i>Double-real radiation, the STRIPPER way (35' + 5')</i></p>
16:00	Ende der Veranstaltung