

9. Meeting of SFB/TR9 Computational Particle Physics 29th and 30th October 2007

Monday, 29 th October 2007	
9:00 – 9:55	A1 Konstantin Chetyrkin (KA): <i>Progress report on massless propagators (25')</i> Philipp Maierhöfer (KA): <i>Tadpole Integrals (15')</i> Johann Kühn (KA): <i>Precise Charm and Bottom Masses (15')</i>
9:55 – 10:20	A2 Pavel Baykov (KA Moscow): <i>1/d expansion and master integrals</i>
10:20 – 10:50	A3 Shinji Takeda, Ulli Wolff (HU): <i>Perturbative evaluation of the lattice Schroedinger functional: method and some one-loop applications</i>
10:50 – 11:20	Coffee Break
11:20 – 12:10	A4 Carsten Urbach (HU): <i>Lattice QCD with twisted mass quarks: a progress report (30')</i> Michael Müller-Preussker (HU): <i>Exploring the phase structure of twisted-mass lattice QCD at non-zero temperature (20')</i>
12:10 – 13:30	Lunch Break
13:30 – 14:20	B2 Björn Leder (DZ): <i>Running coupling and quark-mass project: migration to a new computer and algorithm</i>
14:20 – 15:05	B3 S. Klein (DZ): <i>DIS Heavy Quark Wilson Coefficients at 2-loops and beyond (15')</i> M. Rogal (DZ): <i>Three-loop anomalous dimensions (15')</i> Remi Barron (DZ): <i>First lattice results of PDFs from dynamical twisted mass simulations (15')</i>
15:05 – 15:35	B4 Christian Schwinn (AC): <i>Implications of NLO corrections to W-pair production near threshold</i>
15:35 – 16:00	Coffee Break
16:00 – 18:00	Internal project discussions
18:00 – 19:00	Besprechung der Projektleiter

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8:45 – 10:15	C1 / C5 Rainer Sommer (DZ): <i>Renormalization of the HQET chromomagnetic operator (30')</i> Peter Marquard (KA): <i>Three-Loop Chromomagnetic Interaction in HQET (20')</i> Dirk Seidel (KA): <i>Ligh quark mass effects in the on-shell renormalization constants (20')</i> Tobias Huber (AC): <i>HypExp, expanding hypergeometric functions about integer and half-integer parameters (20')</i>
10:15 – 10:40	Coffee Break
10:40 – 11:10	C3 Kurt Schuller (AC): <i>(Almost) complete NNNLO QCD corrections to non-relativistic top quark pair production</i>
11:10 – 11:45	C1 Guido Bell (KA): <i>NNLO vertex corrections in hadronic B decays (20')</i> Martin Beneke (AC): <i>Higgs couplings in the MSSM at large Tan (β) (15')</i>
11:45 – 12:35	C6 Leonardo Vernazza (AC): <i>Hadronic B Decays in the MSSM with large Tan (β) (20')</i> Martin Gorbahn (KA): <i>The SUSY Higgs Sector and B – \bar{B} mixing with large Tan (β)</i>
12:35 – 14:00	Lunch Break