

12. Meeting of SFB/TR9

Computational Particle Physics

23rd until 25th March 2009

Monday, 23 rd March 2009	
9:00 – 10:15	A3 Ulrich Wolff (HU): <i>Introduction into lattice gauge theory</i>
10:15 – 10:45	Coffee Break
10:45 – 12:00	C6 Ulrich Nierste (KA): <i>Introduction into B-Physics phenomenology</i>
12:00 – 13:00	H. Lacker: <i>Determining the CKM matrix</i>
13:00 – 14:30	Lunch Break
14:30 – 15:00	C1 Rainer Sommer (DZ): <i>Heavy quarks on the lattice: future perspectives</i>
15:00 – 15:30	C1 Georg von Hippel (DZ): <i>Heavy quarks on the lattice: present status</i>
15:30 – 16:15	Coffee Break
16:15 – 16:35	C6 Andreas Crivellin (KA): <i>Supersymmetry breaking: the origin of flavour?</i>
16:35 – 16:55	C6 Dominik Scherer (KA): <i>Large $\tan(\beta)$ beyond the decoupling limit</i>
16:55 – 17:20	C6 Xin-qiang Li (AC): <i>Hadronic B decays in the MSSM $\tan(\beta)$</i>
17:20 – 17:45	C1 Tobias Huber (AC): <i>Precision predictions for two-body hadronic B decays</i>
ab 17:45	General Discussion

Tuesday, 24th March 2009

9:00 – 9:20	C3 Nikolai Zerf (KA): <i>Supersymmetric Corrections to the Top Quark Threshold Production</i>
9:20 – 9:40	C3 Yuichiro Kiyo (KA): <i>Top Quark Threshold Production at the LHC</i>
9:40 – 10:00	A1 Peter Marquard (KA): <i>Heavy-Fermion Corrections to the Matching Coefficient of the Vector Current</i>
10:00 – 10:30	A1 Matthias Kauth (KA): <i>Gluinonia, Bounchstates of Gluinos</i>
10:30 – 11:00	Coffee Break
11:00 – 11:30	B1 Valery Yundin (DZ): <i>Common real and soft IR-singularities in 5- and 6-point integrals</i>
11:30 – 12:00	B1 Ulrich Langenfeld (DZ): <i>Higher order soft corrections to squark hadro-production</i>
12:00 – 12:45	B2 Ulrich Wolff (HU): <i>Running coupling constant on the lattice: ϕ^4 theory revisited</i>
12:45 – 14:00	Lunch Break
14:00 – 15:30	Discussion
15:30 – 16:00	Coffee Break
16:00 – 17:00	Discussion
17:00 – 17:20	B3 Sebastian Klein (DZ): <i>3-Loop Moments to the heavy flavor contributions to $F_2(x, Q^2)$ for $Q^2 \gg m^2$</i>
17:20 – 17:40	B3 Sven-Olaf Moch (DZ): <i>3-Loop Corrections to xF_3 and Threshold Resummation for $F_2^{Q\bar{Q}}(x, Q^2)$</i>
17:40 – 18:00	B3 Dru Renner (DZ): <i>Recent lattice-results on structure function moments</i>
18:00 – 19:00	Sitzung der Antragsteller

Wednesday, 25th March 2009

9:00 – 9:25	B4 Stefano Actis (AC): <i>NLO electroweak corrections to Higgs production through gluon-gluon fusion</i>
9:25 – 9:45	B5 Peter Uwer (HU): <i>Distributions in WWj production at NLO</i>
9:45 – 10:05	B5 Michael Spannowsky (KA): <i>W Gamma jet in NLO QCD</i>
10:05 – 10:25	B5 Francisco Campanario (KA): <i>Pentagon and Hexagon Evaluations</i>
10:25 – 10:50	B5 Anna Kulesza (AC): <i>Resummation for SUSY particle production</i>
10:50 – 11:25	Coffee Break
11:25 – 11:55	A1 Andreas Maier (KA): <i>Higher Moments of Correlators at Four Loop</i>
11:55 – 12:20	A1 Jörg Rittinger (KA): <i>Real Radiation and Sudakov Logarithms</i>
12:20 – 12:45	A2 Matthias Steinhauser (KA): <i>Quark and Gluon Form Factor to Three Loops</i>
12:45 – 13:05	A4 Jenifer Gonzalez-Lopez (HU): <i>Schroedinger Functional with chirally rotated boundary condition</i>
13:05 – 13:25	A4 M. Petschlies (HU): <i>Charm quark mass from moments of correlators</i>
13:25 – 14:00	Lunch Break and end of the meeting