

RADCOR05 Schedule

2 – 7 October 2005, Shonan, Japan

Oct.2 (Sun.)

15:00-18:30 Check-in and Registration (Shonan Village Center)

18:30-20:00 Reception (Shonan Village Center)

Oct.3 (Mon.)

7:30-8:45 – Breakfast – (Shonan Village Center)

8:45-9:15 Registration (Sokendai Entrance Hall)

Morning Session (Sokendai Lecture Hall)

9:15-9:25 M. Kobayashi Opening Address

9:25-9:55 S. Moch Precision Predictions for Deep-Inelastic Scattering

9:55-10:25 J. Blümlein Heavy Quark $\mathcal{O}(\alpha_s^3)$ Corrections to $F_L(x, Q^2)$ at Large Virtualities

10:25-10:50 – Coffee Break –

10:50-11:20 A. Penin Two-loop Corrections to Bhabha Scattering

11:20-11:50 R. Bonciani Two-loop Bhabha Scattering in QED

11:50-12:20 T. Riemann Massive 2-loop Bhabha Scattering

12:20-14:00 – Lunch – (Shonan Village Center)

Afternoon Session (Sokendai Lecture Hall)

14:00-14:40 F. Suekane Reactor Neutrino Oscillations: KamLAND & KASKA

14:40-15:10 K. Chetyrkin Multi Loop Calculations: towards R at Order α_s^4

15:10-15:40 T. Gehrmann Antenna Subtraction at NNLO

15:40-16:05 – Coffee Break –

16:05-16:35 V. Del Duca Progress on NNLO Subtraction

16:35-17:05 G. Heinrich Real Radiation at NNLO

17:05-17:35 T. Binoth LHC Phenomenology on the Loop Level

17:35-18:05 A. Dittmaier Techniques for One-loop Tensor Integrals in Many-particle Processes

18:05-20:00 – Dinner – (Shonan Village Center)

Night Seminar (Shonan Village Center)

20:00-21:00 H. Sugawara Quantum Theory of DNA

Oct.4 (Tue.)

7:30-8:45 – Breakfast – (Shonan Village Center)

Morning Session (Sokendai Lecture Hall)

- 8:45-9:15 M. Czakon Electroweak Observables beyond One-loop
9:15-9:45 A. Bredenstein Electroweak Corrections to $H \rightarrow WW/ZZ \rightarrow 4f$
9:45-10:15 A. Denner Electroweak Corrections to 4-fermion Production in e^+e^- Annihilation
- 10:15-10:40 – Coffee Break –
- 10:40-11:10 C. Carloni-Calame QED Corrections to Higgs Boson Decay into Four Leptons at the LHC
11:10-11:40 S. Yost Virtual Corrections to Bremsstrahlung in High Energy Collider Physics : LHC and e^+e^- Colliders
11:40-12:10 J. Kühn Impact of Electroweak Sudakov Logarithms on Reactions at LHC and the ILC
- 12:10-14:00 – Lunch – (Shonan Village Center)

Afternoon Session (Sokendai Lecture Hall)

- 14:00-14:40 Y. Sakai Recent Results from BELLE Experiments
14:40-15:10 K. Tanaka Radiative Corrections and Enhanced Power Corrections for the Shape Function in Inclusive B Decays
15:10-15:40 L. Trentadue QCD Radiative Corrections on B-to-lepton gamma Decay
- 15:40-16:05 – Coffee Break –
- 16:05-16:35 T. Kinoshita Radiative Corrections of Eighth- and Tenth- Orders to Lepton $g - 2$
16:35-17:05 T. Aoyama Automated Calculation Scheme for α^n Contributions of QED to Lepton $g - 2$
17:05-17:35 T. Kubota Radiative Corrections to Neutrino-Deuteron Scattering Revisited
17:35-18:05 K. Sasaki Sum Rules of the Polarized Photon Structure Functions Revisited
- 18:05-20:00 – Dinner – (Shonan Village Center)

Night Seminar (Shonan Village Center)

- 20:00-21:00 S. Kurokawa Towards the Realization of ILC:
Asian View Point as ACFA Chair and Global View Point as New ILCSC Chair

Oct.5 (Wed.)

7:30-9:00 – Breakfast – (Shonan Village Center)

Morning Session (Sokendai Lecture Hall)

9:00-9:30 D. Dunbar New Recursive Techniques for Computing QCD Matrix Elements

9:30-10:00 O. Tarasov Two-loop Off-shell Vertex Radiative Corrections in QCD

10:00-10:25 – Coffee Break –

10:25-10:55 V. Smirnov Some Recent Results on Evaluating Feynman Integrals

10:55-11:25 D. Stöckinger Factorization and Supersymmetry in Regularization by Dimensional Reduction

11:25-11:35 Photo

11:35-13:00 – Lunch – (Shonan Village Center)

Excursion (Kamakura)

13:00-18:00 Excursion Half Day Trip to Kamakura

18:30-20:00 – Dinner – (Shonan Village Center)

Oct.6 (Thu.)

7:30-8:45 – Breakfast – (Shonan Village Center)

Morning Session (Sokendai Lecture Hall)

8:45-9:15 J. Guasch SUSY Higgs Boson Flavor-changing Neutral Currents at the LHC

9:15-9:45 J. Sola Direct FCNC Production of Heavy Quarks in the LHC by Supersymmetric Interactions

9:45-10:15 T. Kon New Results from GRACE/SUSY at 1-loop

10:15-10:40 – Coffee Break –

10:40-11:10 S. Penaranda-Rivas Quantum Corrections to the MSSM H_0 B Anti-B Vertex

11:10-11:40 Y. Yamada Two-loop SUSY QCD Correction to the Gluino Pole Mass

11:40-12:10 F. Boudjema TBA

12:10-14:00 – Lunch – (Shonan Village Center)

Afternoon Session (Sokendai Lecture Hall)

14:00-14:30 A. Vogt Sudakov Resummations at Higher Orders

14:30-15:00 G. Salam Automated Resummation and Hadron Collider Event Shapes

15:00-15:30 H. Kawamura Q_T Resummation in Transversely Polarized Drell-Yan Process

15:30-15:55 – Coffee Break –

15:55-16:25 H. Yokoya QCD Correction to the Dilepton Production near Partonic Threshold in $p\bar{p}$ Scattering

16:25-16:55 S. Catani Higgs Boson Production at Hadron Colliders

16:55-17:25 E. Gardi Dressed Gluon Exponentiation

17:25-17:55 B. Ward New Applications of Resummation in Non-abelian Gauge Theory : QED \times QCD Exponentiation for LHC Physics and Resummed Quantum Gravity18:30-20:30 – Conference
Dinner – (Shonan Village Center)

Oct.7 (Fri.)

7:30-9:00 – Breakfast – (Shonan Village Center)

Morning Session (Sokendai Lecture Hall)

9:00-9:30 Y. Kiyo Third Order Coulomb Correction to $t\bar{t}$ Threshold Cross Section

9:30-10:00 M. Steinhauser Top and Bottom at Threshold: Recent Results

10:00-10:25 – Coffee Break –

10:25-10:55 Y. Kurihara Status of GRACE Project

10:55-11:25 T. Hahn The New Kinematics Paradigm in FormCalc 5

11:25-11:55 M. Skrzypek Monte Carlo Solutions of the QCD Evolution Equations

11:55-13:30 – Lunch – (Shonan Village Center)

Afternoon Session (Sokendai Lecture Hall)

13:30-14:00 K. Ohkuma New Physics Search through $\Gamma\Gamma \rightarrow t\bar{t} \rightarrow lX/bX$

14:00-14:30 V. Ravindran NLO QCD Corrections to Drell-Yan in TeV-scale Gravity Models

14:30-15:10 S. Jadach Summary

15:10-2007 Adjourn

15:50 Bus for Zushi (JR Station)