



# RADCOR 2017 - 13th International Symposium on Radiative Corrections (Applications of Quantum Field Theory to Phenomenology)

## Monday 25 September 2017

### Parallel A: M. Steinhauser (chair) (14:00 - 15:30)

time	[id] title	presenter
14:00	[10] Four-loop quark mass and field renormalization in the on-shell scheme and renormalons	Dr MARQUARD, Peter
14:30	[11] Solving differential equations for Feynman integrals by expansions near singular points	SMIRNOV, Vladimir
15:00	[12] 2-loop massive form factors for different currents up to $O(\sqrt{s})$	Dr RANA, Narayan

### Parallel A: T. Huber (chair) (16:00 - 18:00)

time	[id] title	presenter
16:00	[16] Towards analytic local sector subtraction at NNLO	TORRIELLI, Paolo
16:30	[17] Nested soft-collinear subtractions for NNLO calculations	ROENTSCH, Raoul
17:00	[18] One-loop amplitudes with off-shell gluons	VAN HAMEREN, Andreas
17:30	[23] Analytic Results for Two-Loop Yang-Mills	Prof. DUNBAR, David

## Tuesday 26 September 2017

### **Parallel A: A. Vogt (chair) (09:00 - 10:30)**

time	[id] title	presenter
09:00	[24] Twist-2 transverse momentum dependent distributions at NNLO	GUTIÉRREZ REYES, Daniel
09:30	[25] The four-loop non-planar cusp anomalous dimension in $N = 4$ SYM	Dr HUBER, Tobias
10:00	[26] NNLO evolution equation for flavor-nonsinglet operators in off-forward kinematics	Dr MANASHOV, Alexander

### **Parallel A: D. Kosower (chair) (11:00 - 12:30)**

time	[id] title	presenter
11:00	[31] Novel NNLO applications of Sector Improved Residue Subtraction	Dr BEHRING, Arnd
11:30	[32] Algebraic structure of cut Feynman integrals and the diagrammatic coaction	Dr ABREU, Samuel
12:00	[33] Cuts of Feynman Integrals in Baikov representation	PAPADOPOULOS, Costas

### **Parallel A: J.A..M. Vermaseren (chair) (14:00 - 15:30)**

time	[id] title	presenter
14:00	[38] First Two-Loop Amplitudes with the Numerical Unitarity Method	Dr PAGE, Ben
14:30	[70] Recursion relations for integral coefficients	Prof. KOSOWER, David
15:00	[37] The method of global $R^*$ and its applications	FALCIONI, Giulio

### **Parallel A: E. Gardi (chair) (16:00 - 17:30)**

time	[id] title	presenter
16:00	[43] Factorisation and Subtraction	Prof. MAGNEA, Lorenzo
16:30	[44] Fuchsia and Master Integrals for Energy-Energy Correlations at NLO in QCD	GITULIAR, Oleksandr
17:00	[45] Azimuthal asymmetries in QCD hard scattering: IR safe but divergent	Mr GRAZZINI, Massimiliano

# Thursday 28 September 2017

## **Parallel A: A. Maier (chair) (09:00 - 10:30)**

time	[id] title	presenter
09:00	[57] Scalar correlator and the QCD vacuum energy in 5 loops	Dr CHETYRKIN, Konstantin
09:30	[58] 5 loop Master integrals and applications in 2d and 3d field theories	Dr SCHRÖDER, York
10:00	[59] Higgs Decay, Z Decay and the QCD Beta Function	Prof. KÜHN, Johann

## **Parallel A: C. Schneider (chair) (11:00 - 12:30)**

time	[id] title	presenter
11:00	[63] Linear differential and difference equations for nested integrals and sums	ABLINGER, Jakob
11:30	[64] Closed form solutions of linear differential equations	Prof. VAN HOEIJ, Mark
12:00	[65] A Simple Method to Rewrite Eta Quotients in Terms of Lambert Series	Dr RADU, Silviu

## **Parallel A: M. van Hoeij (chair) (14:00 - 15:30)**

time	[id] title	presenter
14:00	[69] Special functions, transcendentals and their numerics	Dr ROUND, Mark
14:30	[39] Iterated Integrations of Complete Elliptic Integrals	Prof. REMIDDI, Ettore
15:00	[71] Recent developments from the loop-tree duality	Dr RODRIGO, German

## **Parallel A: P. Marquard (chair) (16:00 - 18:00)**

time	[id] title	presenter
16:00	[75] SecDec: a toolbox for the numerical evaluation of multi-scale integrals	Mr JAHN, Stephan
16:30	[76] Recola2: A one-loop matrix element generator for BSM theories and SM effective field theory	LANG, Jean-Nicolas
17:00	[77] Cristal and Azurite: new tools for integration-by-parts reductions	Dr LARSEN, Kasper
17:30	[78] Loopedia, a new database for loop integrals	Dr HAHN, Thomas