

SCET 2015: XIIth Workshop on Soft-Collinear Effective Theory



Report of Contributions

Contribution ID: 2

Type: **not specified**

Welcome

Wednesday, 25 March 2015 08:50 (10 minutes)

Presenter: LEE, Christopher (Los Alamos National Laboratory)

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

Automated NNLL+NLO resummation for jet-veto cross sections

Thursday, 26 March 2015 16:40 (25 minutes)

Presenter: ROTHEN, Lorena (University of Bern)

Session Classification: Session 8

Contribution ID: 4

Type: **not specified**

Explanation of the WW excess at LHC by jet-veto resummation

Thursday, 26 March 2015 15:15 (25 minutes)

Presenter: JAISWAL, Prerit (Syracuse University)

Session Classification: Session 7

Contribution ID: 5

Type: **not specified**

Tau[^]jet resummation in Higgs production at NLL' + NLO

Thursday, 26 March 2015 16:10 (25 minutes)

Presenter: GANGAL, Shireen (DESY)

Session Classification: Session 8

Contribution ID: 6

Type: **not specified**

Renormalization group improved predictions for $t\bar{t}$ + 0 jet production at hadron colliders

Thursday, 26 March 2015 14:45 (25 minutes)

Presenter: SHAO, DingYu (University of Bern)

Session Classification: Session 7

Contribution ID: 7

Type: **not specified**

Toward soft gluon resummation for the associated production of a Higgs boson and a top-quark pair

Thursday, 26 March 2015 14:15 (25 minutes)

Presenter: FERROGLIA, Andrea (New York City College of Technology CUNY)

Session Classification: Session 7

Contribution ID: 8

Type: **not specified**

NNLL-NNLO transverse momentum Higgs distribution arising from gluon fusion

Wednesday, 25 March 2015 16:50 (25 minutes)

Presenter: VAIDYA, Varun (Carnegie Mellon University)

Session Classification: Session 4

Contribution ID: 9

Type: **not specified**

Exclusive radiative decays of W and Z in QCD factorization

Friday, 27 March 2015 14:00 (25 minutes)

Presenter: KÖNIG, Matthias (Johannes Gutenberg University)

Session Classification: Session 11

Contribution ID: **10**

Type: **not specified**

Regge behavior in EFT

Wednesday, 25 March 2015 15:20 (25 minutes)

Presenter: MAHMOUD EL-MENOUFI, Basem (University of Massachussets)

Session Classification: Session 3

Contribution ID: 11

Type: **not specified**

An effective field theory for forward scattering and factorization violation

Wednesday, 25 March 2015 14:00 (30 minutes)

Presenter: ROTHSTEIN, Ira (Carnegie Mellon)

Session Classification: Session 3

Contribution ID: 12

Type: **not specified**

The role of Glauber exchange in SCET and the BFKL equation

Wednesday, 25 March 2015 14:40 (30 minutes)

Presenter: FLEMING, Sean (University of Arizona)

Session Classification: Session 3

Contribution ID: 13

Type: **not specified**

Glauber gluons and multiple parton interactions

Wednesday, 25 March 2015 16:15 (25 minutes)

Presenter: GAUNT, Jonathan (DESY)

Session Classification: Session 4

Contribution ID: 14

Type: **not specified**

LHC jet shapes

Friday, 27 March 2015 12:05 (25 minutes)

Presenter: HORNIG, Andrew (LANL)

Session Classification: Session 10

Contribution ID: 15

Type: **not specified**

Jet energy loss and modifications in heavy ion collisions

Friday, 27 March 2015 09:40 (25 minutes)

Presenter: CHIEN, Yang-Ting (Los Alamos National Laboratory)

Session Classification: Session 9

Contribution ID: 16

Type: **not specified**

Inclusive and Exclusive Accuracy in Resummed Cross Sections

Thursday, 26 March 2015 17:10 (25 minutes)

Presenter: WALSH, Jon (UC Berkeley)

Session Classification: Session 8

Contribution ID: 17

Type: **not specified**

Parton showers and threshold logs

Friday, 27 March 2015 09:00 (30 minutes)

Presenter: SOPER, Dave (University of Oregon)

Session Classification: Session 9

Contribution ID: **18**

Type: **not specified**

TBA

Presenter: TACKMANN, Frank (DESY)

Contribution ID: 19

Type: **not specified**

Resummation of quark mass effects in $gg \rightarrow H$

Wednesday, 25 March 2015 17:20 (30 minutes)

Presenter: STAHLHOFEN, Maximilian (DESY)

Session Classification: Session 4

Contribution ID: 20

Type: **not specified**

Soft theorems from EFT

Wednesday, 25 March 2015 09:00 (25 minutes)

Presenter: LARKOSKI, Andrew (MIT)

Session Classification: Session 1

Contribution ID: 21

Type: **not specified**

Removing overlapping phase-space singularities

Wednesday, 25 March 2015 09:35 (25 minutes)

Presenter: YAN, Kai (Harvard)

Session Classification: Session 1

Contribution ID: 22

Type: **not specified**

The three loop cusp anomalous dimension in QCD

Wednesday, 25 March 2015 12:05 (25 minutes)

Presenter: HENN, Johannes (IAS)

Session Classification: Session 2

Contribution ID: 23

Type: **not specified**

Renormalization of subleading dijet operators in SCET

Wednesday, 25 March 2015 10:10 (25 minutes)

Presenter: GOERKE, Ray (University of Toronto)

Session Classification: Session 1

Contribution ID: 24

Type: **not specified**

Soft-gluon current at two loops

Wednesday, 25 March 2015 11:35 (25 minutes)

Presenter: ZHU, Hua Xing (SLAC)

Session Classification: Session 2

Contribution ID: 25

Type: **not specified**

Soft radiation distributions in massless QCD

Wednesday, 25 March 2015 11:05 (25 minutes)

Presenter: SCHABINGER, Robert (Johannes Gutenberg University)

Session Classification: Session 2

Contribution ID: 26

Type: **not specified**

Factorization and resummation for generic jet hierarchies

Thursday, 26 March 2015 12:20 (25 minutes)

Presenter: PIETRULEWICZ, Piotr (DESY)

Session Classification: Session 6

Contribution ID: 27

Type: **not specified**

Resummation of double-differential cross sections

Thursday, 26 March 2015 11:45 (25 minutes)

Presenter: ZEUNE, Lisa (University of Amsterdam)

Session Classification: Session 6

Contribution ID: 28

Type: **not specified**

Resummation of non-global logs

Thursday, 26 March 2015 11:05 (30 minutes)

Presenter: NEILL, Duff (MIT)

Session Classification: Session 6

Contribution ID: 29

Type: **not specified**

Heavy dark matter annihilation from EFT

Friday, 27 March 2015 15:10 (25 minutes)

Presenter: OVANESYAN, Grigory (University of Massachussets)

Session Classification: Session 11

Contribution ID: **30**

Type: **not specified**

WIMP annihilation rate from EFT

Friday, 27 March 2015 14:35 (25 minutes)

Presenter: BAUMGART, Matthew (Carnegie Mellon University)

Session Classification: Session 11

Contribution ID: 31

Type: **not specified**

Primary massive quark production in thrust distribution: theory vs MC.

Friday, 27 March 2015 10:10 (25 minutes)

Presenter: DEHNADI, Bahman (University of Vienna)

Session Classification: Session 9

Contribution ID: 32

Type: **not specified**

Jet functions and jet algorithms

Thursday, 26 March 2015 09:00 (25 minutes)

Presenter: CHAY, Junegone (Korea University)

Session Classification: Session 5

Contribution ID: 33

Type: **not specified**

Power suppressed SCET helicity operators

Friday, 27 March 2015 11:00 (25 minutes)

Presenter: KOLODRUBETZ, Dan (MIT)

Session Classification: Session 10

Contribution ID: 34

Type: **not specified**

Fractional jet multiplicity in collider physics

Thursday, 26 March 2015 09:35 (25 minutes)

Presenter: BERTOLINI, Daniele (UC Berkeley)

Session Classification: Session 5

Contribution ID: 35

Type: **not specified**

Factorization and resummation of phenomenological jet substructure observables

Thursday, 26 March 2015 10:05 (25 minutes)

Presenter: MOULT, Ian (MIT)

Session Classification: Session 5

Contribution ID: 36

Type: **not specified**

Automated calculations of dijet soft functions

Friday, 27 March 2015 11:35 (25 minutes)

Presenter: TALBERT, Jim (Oxford)

Session Classification: Session 10