

International Workshop on Precision QCD @ LHC

Report of Contributions

Contribution ID: 1

Type: **not specified**

QCD measurements at the LHC

Tuesday 28 January 2020 10:30 (30 minutes)

Presenter: MAZUMDAR, Kajari (Experimental High Energy Physics Group, Tata Institute of Fundamental Research)

Session Classification: Morning Session

Contribution ID: 2

Type: **not specified**

Factorization and Subtraction beyond NLO

Tuesday 28 January 2020 11:30 (30 minutes)

Presenter: MAGNEA, Lorenzo (Universita e INFN Torino (IT))

Session Classification: Morning Session

Contribution ID: 3

Type: **not specified**

Local analytic sector subtraction: the Torino scheme

Tuesday 28 January 2020 12:00 (30 minutes)

Presenter: SIGNORILE-SIGNORILE, Chiara (Università degli Studi di Torino)

Session Classification: Morning Session

Contribution ID: 4

Type: **not specified**

One loop angularity distributions with recoil using SCET

Tuesday 28 January 2020 14:00 (30 minutes)

Presenter: Ms BUDHRAJA, Ankita

Session Classification: Afternoon Session

Contribution ID: 5

Type: **not specified**

Wilson-line geometries underlying amplitudes and PDF

Tuesday 28 January 2020 14:30 (30 minutes)

Presenter: FALCIONI, Giulio

Session Classification: Afternoon Session

Contribution ID: 6

Type: **not specified**

Resummation of large logarithms at next-to-leading power for scattering processes near threshold

Tuesday 28 January 2020 16:00 (30 minutes)

Presenter: Dr VERNAZZA, Leonardo (Nikhef and University of Amsterdam)

Session Classification: Afternoon Session

Contribution ID: 7

Type: **not specified**

Multi-differential resummation in SCET+

Wednesday 29 January 2020 09:30 (30 minutes)

Presenter: WAALEWIJN, Wouter (University of Amsterdam)

Session Classification: Morning Session

Contribution ID: 8

Type: **not specified**

Leading and subleading jet functions

Wednesday 29 January 2020 10:00 (30 minutes)

Presenter: SCOTT, Darren (University of Amsterdam/Nikhef)

Session Classification: Morning Session

Contribution ID: 9

Type: **not specified**

Double-differential Higgs and jet p_t resummation in momentum space

Wednesday 29 January 2020 11:30 (30 minutes)

Presenter: TORRIELLI, Paolo (Universita e INFN Torino (IT))

Session Classification: Morning Session

Contribution ID: **10**

Type: **not specified**

Next-to-leading power threshold effects

Wednesday 29 January 2020 12:00 (30 minutes)

Presenter: VAN BEEKVELD, Melissa

Session Classification: Morning Session

Contribution ID: 11

Type: **not specified**

Techniques for solving two-loop massive Feynman integrals

Wednesday 29 January 2020 14:00 (30 minutes)

Presenter: Ms CHAUBEY, Ekta (Institute of Physics, JGU, Mainz)

Session Classification: Afternoon Session

Contribution ID: 12

Type: **not specified**

Feynman Integrals: from Integral-By-Parts reduction to Intersection theory

Wednesday 29 January 2020 14:30 (30 minutes)

Presenter: KUMAR MANDAL, Manoj

Session Classification: Afternoon Session

Contribution ID: 13

Type: **not specified**

Radiative EW corrections to the Drell-Yan process

Wednesday 29 January 2020 16:00 (30 minutes)

Presenter: TRAMONTANO, Francesco (Universita e sezione INFN di Napoli (IT))

Session Classification: Afternoon Session

Contribution ID: 14

Type: **not specified**

Higgs+n-gluon amplitude at one loop

Thursday 30 January 2020 09:30 (30 minutes)

Presenter: SETH, Satyajit

Session Classification: Morning Session

Contribution ID: 15

Type: **not specified**

Higgs self-coupling in double higgs production

Thursday 30 January 2020 10:00 (30 minutes)

Presenter: Dr SHIVAJI, Ambresh (IISER Mohali)

Session Classification: Morning Session

Contribution ID: 16

Type: **not specified**

Two loop QCD amplitudes for di-pseudo scalar production in gluon fusion

Thursday 30 January 2020 11:30 (30 minutes)

Presenter: MAHAKHUD, Maguni

Session Classification: Morning Session

Contribution ID: 17

Type: **not specified**

Infrared structure of gauge theory: A comparison between N=4 SYM and QCD nd beyond

Thursday 30 January 2020 12:00 (30 minutes)

Presenter: CHAKRABORTY, Amlan (The Institute Of Mathematical Sceinces)

Session Classification: Morning Session

Contribution ID: 18

Type: **not specified**

Ajjath: Infrared structure of $SU(N) \times U(1)$ gauge theory to three loops; Pooja: NNLO $QCD \oplus QED$ corrections to Higgs production in bottom quark annihilation

Friday 31 January 2020 09:30 (30 minutes)

Presenter: POOJA MUKHERJEE + AJJATH A.H.

Session Classification: Morning Session

Contribution ID: 19

Type: **not specified**

Kajal: N 3 LO SV +N 3 LL Perturbative QCD Calculations for Drell-Yan at LHC, Ravindran: Gluon Jet Function at three loops in QCD

Friday 31 January 2020 10:00 (30 minutes)

Presenter: KAJAL SAMANTHA + V. RAVINDRAN (Harish-Chandra Research Institute)

Session Classification: Morning Session

Contribution ID: 20

Type: **not specified**

Multiparton webs at 4-loops

Friday 31 January 2020 11:30 (30 minutes)

Presenter: PAL, SOURAV

Session Classification: Morning Session

Contribution ID: 21

Type: **not specified**

Precision at the high-energy frontier

Friday 31 January 2020 12:00 (30 minutes)

Presenter: ERIC, Laenen

Session Classification: Morning Session

Contribution ID: 22

Type: **not specified**

TBA

Presenter: LAENEN, Eric (Nikhef National institute for subatomic physics (NL))

Session Classification: Afternoon Session