

Milan Christmas meeting 2016



Report of Contributions

Contribution ID: 1

Type: **not specified**

Resummation for Transverse Observables

Thursday 22 December 2016 16:15 (30 minutes)

Authors: ROTTOLI, Luca (University of Oxford); ROTTOLI, Luca

Presenters: ROTTOLI, Luca (University of Oxford); ROTTOLI, Luca

Session Classification: talks

Contribution ID: 2

Type: **not specified**

Beyond Resummation

Wednesday 21 December 2016 11:45 (30 minutes)

Author: BONVINI, Marco (University of Oxford)

Presenter: BONVINI, Marco (University of Oxford)

Session Classification: talks

Contribution ID: 3

Type: **not specified**

GENEVA: Improving SMC event generation with analytic resummation

Author: ALIOLI, Simone (CERN)

Presenter: ALIOLI, Simone (CERN)

Session Classification: talks

Contribution ID: 4

Type: **not specified**

Towards parton fits with resummation

Thursday 22 December 2016 16:45 (30 minutes)

Author: Dr MARZANI, Simone (SUNY Buffalo)

Presenter: Dr MARZANI, Simone (SUNY Buffalo)

Session Classification: talks

Contribution ID: 5

Type: **not specified**

Constraints on the trilinear Higgs coupling from vector boson fusion and associated Higgs production at the LHC

Wednesday 21 December 2016 14:30 (30 minutes)

Authors: ZANDERIGHI, Giulia (CERN); ZANDERIGHI, Giulia (CERN); HAISCH, Uli; HAISCH, Ulrich Andreas (University of Oxford (GB))

Presenters: ZANDERIGHI, Giulia (CERN); ZANDERIGHI, Giulia (CERN); HAISCH, Uli; HAISCH, Ulrich Andreas (University of Oxford (GB))

Session Classification: talks

Contribution ID: 6

Type: **not specified**

Probing the Higgs self coupling via single Higgs production at the LHC

Wednesday 21 December 2016 15:00 (30 minutes)

Author: PAGANI, Davide (TUM - Garching bei München)

Presenter: PAGANI, Davide (TUM - Garching bei München)

Session Classification: talks

Contribution ID: 7

Type: **not specified**

Constraining light-quark Yukawa couplings using Higgs distributions

Tuesday 20 December 2016 15:00 (30 minutes)

Author: RE, Emanuele (LAPTh Annecy)

Presenter: RE, Emanuele (LAPTh Annecy)

Session Classification: talks

Contribution ID: 8

Type: **not specified**

A study on the top quark mass measurement using modern generators

Wednesday 21 December 2016 16:15 (1 hour)

Author: NASON, Paolo (Universita & INFN, Milano-Bicocca (IT))

Presenter: NASON, Paolo (Universita & INFN, Milano-Bicocca (IT))

Session Classification: talks

Contribution ID: 9

Type: **not specified**

Tackling differential distributions for Higgs production at higher orders

Thursday 22 December 2016 10:00 (30 minutes)

Author: LIONETTI, Simone (ETHZ - ETH Zurich)

Presenter: LIONETTI, Simone (ETHZ - ETH Zurich)

Session Classification: talks

Contribution ID: 10

Type: **not specified**

Double-Real Corrections at $O(\alpha_s^2)$ to single gauge boson production

Thursday 22 December 2016 11:45 (30 minutes)

Author: BUCCIONI, Federico (University of Zurich)

Presenter: BUCCIONI, Federico (University of Zurich)

Session Classification: talks

Contribution ID: 11

Type: **not specified**

Status and perspective for supersymmetry after current LHC runs

Thursday 22 December 2016 14:30 (30 minutes)

Author: BAGNASCHI, Emanuele Angelo (DESY Hamburg)

Presenter: BAGNASCHI, Emanuele Angelo (DESY Hamburg)

Session Classification: talks

Contribution ID: 12

Type: **not specified**

Charged Higgs boson production at the LHC: closing the $m_{H^\pm} \sim m_t$ window

Tuesday 20 December 2016 14:30 (30 minutes)

Author: ZARO, Marco (Centre National de la Recherche Scientifique (FR))

Presenter: ZARO, Marco (Centre National de la Recherche Scientifique (FR))

Session Classification: talks

Contribution ID: 13

Type: **not specified**

Using the four-dimensional unsubtraction method at NLO

Tuesday 20 December 2016 16:15 (30 minutes)

Author: SBORLINI, German (IFIC-Valencia)

Presenter: SBORLINI, German (IFIC-Valencia)

Session Classification: talks

Contribution ID: 14

Type: **not specified**

Scattering amplitudes over finite fields and multivariate functional reconstruction

Thursday 22 December 2016 10:30 (30 minutes)

Authors: PERARO, Tiziano; PERARO, Tiziano (Max Planck Institute for Physics - Munich)

Presenters: PERARO, Tiziano; PERARO, Tiziano (Max Planck Institute for Physics - Munich)

Session Classification: talks

Contribution ID: 15

Type: **not specified**

A Subleading Operator Basis and Matching for $gg \rightarrow H$

Wednesday 21 December 2016 10:00 (30 minutes)

Presenter: VITA, Gherardo

Session Classification: talks

Contribution ID: 16

Type: **not specified**

mass effects in b quark associated production

Wednesday 21 December 2016 10:30 (30 minutes)

Presenter: Mr NAPOLETANO, Davide (IPPP, Durham University)

Session Classification: talks

Contribution ID: 17

Type: **not specified**

Combined threshold and transverse momentum resummation for inclusive observables

Wednesday 21 December 2016 12:15 (30 minutes)

Author: MUSELLI, Claudio (INFN-Milan Section/University of Milan)

Presenter: MUSELLI, Claudio (INFN-Milan Section/University of Milan)

Session Classification: talks

Contribution ID: **18**

Type: **not specified**

Selection Algorithms

Tuesday 20 December 2016 16:45 (30 minutes)

Authors: DIMITROV KASSABOV, Zahari; KASSABOV ZAHARIEVA, Zahari Dimitrov (University of Turin); KASSABOV ZAHARIEVA, Zahari Dimitrov (Universita e INFN Torino (IT))

Presenters: DIMITROV KASSABOV, Zahari; KASSABOV ZAHARIEVA, Zahari Dimitrov (University of Turin); KASSABOV ZAHARIEVA, Zahari Dimitrov (Universita e INFN Torino (IT))

Session Classification: talks

Contribution ID: 19

Type: **not specified**

Power corrections in the N-jettiness subtraction scheme

Thursday 22 December 2016 15:00 (30 minutes)

Presenter: Mr ISGRÒ, Andrea

Session Classification: talks

Contribution ID: 20

Type: **not specified**

Dark matter and relaxion beams at proton fixed target experiments

Thursday 22 December 2016 12:15 (30 minutes)

Authors: FRUGIUELE, claudia (Carleton University); FRUGIUELE, claudia (Fermilab)

Presenters: FRUGIUELE, claudia (Carleton University); FRUGIUELE, claudia (Fermilab)

Session Classification: talks