

**PARTICLEFACE 2020:
Working Group Meeting and
Management Committee
Meeting**

Report of Contributions

Contribution ID: 5

Type: **not specified**

About the COST Action PARTICLEFACE

Tuesday, 11 February 2020 14:00 (30 minutes)

Presenter: RODRIGO, German (IFIC CSIC-UV)

Session Classification: WG meeting

Contribution ID: 6

Type: **not specified**

Climbing the ladder: from Z(lI) to m_t and alpha_s

Tuesday, 11 February 2020 09:30 (30 minutes)

Presenter: VOUTILAINEN, Mikko (Helsinki Institute of Physics (FI))

Session Classification: WG meeting

Contribution ID: 7

Type: **not specified**

Spacetime colour reconnection in Herwig 7

Tuesday, 11 February 2020 10:00 (30 minutes)

Presenter: SIODMOK, Andrzej Konrad (Polish Academy of Sciences (PL))

Session Classification: WG meeting

Contribution ID: 8

Type: **not specified**

The four-loop light-like cusp anomalous dimension

Presenter: HUBER, Tobias (University of Siegen)

Session Classification: WG meeting

Contribution ID: 9

Type: **not specified**

Higgs Pair Production via Gluon fusion @NLO

Presenter: RONCA, Jonathan

Session Classification: WG meeting

Contribution ID: **10**

Type: **not specified**

Soft corrections to inclusive cross sections at four loops and beyond

Tuesday, 11 February 2020 12:00 (30 minutes)

Presenter: MOCH, S. (UHH)

Session Classification: WG meeting

Contribution ID: 11

Type: **not specified**

Muon $g-2$ and scalar leptoquark mixing

Presenter: DORSNER, Ilja (University of Split Faculty of Science (HR))

Session Classification: WG meeting

Contribution ID: 12

Type: **not specified**

Can a heavy $U_{\{B-L\}} Z'$ boson explain the muon (g-2) anomaly?

Presenter: MORAIS, Antonio (University of Aveiro)

Session Classification: WG meeting

Contribution ID: 13

Type: **not specified**

Low-energy theorem for $\gamma \rightarrow 3\pi$: surface terms against π - a1-mixing

Tuesday, 11 February 2020 11:00 (30 minutes)

Presenter: HILLER, Brigitte (University of Coimbra)

Session Classification: WG meeting

Contribution ID: 14

Type: **not specified**

Exploring causality of loop amplitudes with the loop-tree duality

Tuesday, 11 February 2020 11:30 (30 minutes)

Presenter: RAMÍREZ URIBE, Norma Selomit (IFIC UV-CSIC)

Session Classification: WG meeting

Contribution ID: 15

Type: **not specified**

Integrable Limits of Scattering Amplitudes

Wednesday, 12 February 2020 09:00 (30 minutes)

Presenter: PAPATHANASIOU, Georgios (Unite Reseaux du CNRS (FR))

Session Classification: WG meeting

Contribution ID: 16

Type: **not specified**

Spinor-helicity diagrams as flow diagrams

Wednesday, 12 February 2020 09:30 (30 minutes)

Presenter: Dr REUSCHLE, Christian (Lund University)

Session Classification: WG meeting

Contribution ID: 17

Type: **not specified**

Vector Space of Feynman Integrals and Intersection theory

Wednesday, 12 February 2020 10:00 (30 minutes)

Presenter: MATTIAZZI, Luca

Session Classification: WG meeting

Contribution ID: **18**

Type: **not specified**

Forward jets with small-x TMD factorization

Wednesday, 12 February 2020 11:00 (30 minutes)

Presenter: KOTKO, Piotr (AGH UST)

Session Classification: WG meeting

Contribution ID: 19

Type: **not specified**

New constraints on heavy neutral leptons

Wednesday, 12 February 2020 11:30 (30 minutes)

Presenter: FLIEGER, Wojciech Jakub (University of Silesia (PL))

Session Classification: WG meeting

Contribution ID: 20

Type: **not specified**

Drell Yan production at NLO with the parton branching method

Wednesday, 12 February 2020 14:30 (30 minutes)

Presenter: JUNG, Hannes (Deutsches Elektronen-Synchrotron (DE))

Session Classification: WG meeting

Contribution ID: 21

Type: **not specified**

The four-loop light-like cusp anomalous dimension

Wednesday, 12 February 2020 14:00 (30 minutes)

Presenter: HUBER, Tobias (University of Siegen)

Session Classification: WG meeting

Contribution ID: 22

Type: **not specified**

Can a heavy $U_{\{B-L\}} Z'$ boson explain the muon ($g-2$) anomaly?

Wednesday, 12 February 2020 12:00 (30 minutes)

Presenter: MORAIS, Antonio (University of Aveiro)

Session Classification: WG meeting

Contribution ID: 23

Type: **not specified**

Electroweak corrections for hadron colliders

Wednesday, 12 February 2020 15:00 (30 minutes)

Presenter: SBORLINI, German (Università di Milano, INFN Milano and IFIC-Valencia)

Session Classification: WG meeting

Contribution ID: 24

Type: **not specified**

Muon $g-2$ and scalar leptoquark mixing

Wednesday, 12 February 2020 16:00 (30 minutes)

Presenter: DORSNER, Ilja (University of Split Faculty of Science (HR))

Session Classification: WG meeting

Contribution ID: 25

Type: **not specified**

Parton Reggeization Approach at NLO

Wednesday, 12 February 2020 16:30 (30 minutes)

Presenter: NEFEDOV, Maxim (Samara State University)

Session Classification: WG meeting

Contribution ID: 26

Type: **not specified**

Precision physics in the singlet extension

Thursday, 13 February 2020 09:00 (30 minutes)

Presenter: ROBENS, Tania Natalie (Rudjer Boskovic Institute (HR))

Session Classification: WG meeting

Contribution ID: 27

Type: **not specified**

Irreducible backgrounds for Dark Matter searches at the LHC: $t\bar{t}Z(Z \rightarrow \nu\bar{\nu})$

Thursday, 13 February 2020 09:30 (30 minutes)

Presenter: BEVILACQUA, Giuseppe (Istituto Nazionale Fisica Nucleare (IT))

Session Classification: WG meeting

Contribution ID: 28

Type: **not specified**

Progress on boosted top production in SCET

Thursday, 13 February 2020 10:00 (30 minutes)

Presenter: HOANG, Andre (University of Vienna)

Session Classification: WG meeting

Contribution ID: 29

Type: **not specified**

The CMS High-Granularity Calorimeter (HGCal) for the HL-LHC upgrade

Thursday, 13 February 2020 11:00 (30 minutes)

Presenter: SUNAR CERCI, Deniz (Adiyaman University (TR) - Istanbul University (TR))

Session Classification: WG meeting

Contribution ID: 30

Type: **not specified**

Standard-model prediction of epsilon_K with manifest CKM unitarity

Thursday, 13 February 2020 11:30 (30 minutes)

Presenter: GORBAHN, Martin (Liverpool University)

Session Classification: WG meeting

Contribution ID: 31

Type: **not specified**

Using Loop-Tree Duality to understand physical and non-physical thresholds

Thursday, 13 February 2020 12:00 (30 minutes)

Presenter: AGUILERA VERDUGO, José de Jesús

Session Classification: WG meeting

Contribution ID: 32

Type: **not specified**

Welcome

Tuesday, 11 February 2020 09:15 (15 minutes)

Session Classification: WG meeting

Contribution ID: 33

Type: **not specified**

Evolution in Colour Space

Wednesday, 12 February 2020 17:00 (30 minutes)

Presenter: PLATZER, Simon (University of Vienna (AT))

Session Classification: WG meeting

Contribution ID: **34**

Type: **not specified**

Conference dinner

Wednesday, 12 February 2020 19:00 (3 hours)

Session Classification: WG meeting