

Session Program

7-11 Oct 2024

QCD@LHC 2024

***Perturbative and resummed predictions in
QCD***

University of Freiburg
Hermann-Herder-Str. 3 79104 Freiburg

Monday 7 October

14:00

Perturbative and resummed predictions in QCD

Session | **Location:** Institute of physics, Großer Hörsaal Physik, Hermann-Herder-Str. 3 79104 Freiburg | **Conveners:** Stefano Camarda, Vieri Candelise, Ben Page, Johannes Michel

14:00–14:30

Multijet and multi-differential dijet measurements with ATLAS and CMS

Speaker

Argyro Ziaka

14:30–15:00

Determinations of alphas with ATLAS and CMS

Speaker

Oleg Kuprash

15:00–15:30

Theory uncertainties in the extraction of α_S from the Z pT

Speaker

Giulia Marinelli

15:30

16:00

Perturbative and resummed predictions in QCD

Session | **Location:** Institute of physics, Großer Hörsaal Physik | **Conveners:** Ben Page, Vieri Candelise, Johannes Michel, Stefano Camarda

16:00–16:30

RG-improved resummation of super-leading logarithms

Speakers

Philipp Böer, Dr Philipp Böer, Philipp Böer

16:30–17:00

Jet substructure studies with ATLAS and CMS

Speakers

Luka Selem, Luka Selem

17:00–17:30

Locally finite two-loop amplitudes in gluon fusion for multi Higgs production

Speaker

Julia Karlen

17:30

Tuesday 8 October

14:00

Perturbative and resummed predictions in QCD

Session | **Location:** Institute of physics, Großer Hörsaal Physik | **Conveners:**
Stefano Camarda, Johannes Michel, Vieri Candelise, Ben Page

14:00–14:30

Five-parton scattering in the high-energy limit

Speakers

Federico Buccioni, Federico Buccioni, Federico Buccioni

14:30–15:00

Two-loop virtual contributions to $qq \rightarrow t\bar{t}H$ production, numerically

Speaker

Vitaly Magerya

15:00–15:30

[Canceled] Anomalous dimensions of soft functions at subleading power

Speakers

Xing Wang, Xing Wang

15:30

Thursday 10 October

16:00

Perturbative and resummed predictions in QCD

Session | **Location:** Institute of physics, Großer Hörsaal Physik | **Conveners:**
Ben Page, Stefano Camarda, Johannes Michel, Vieri Candelise

16:00–16:30

Associated production of bosons and light jets with ATLAS and CMS

Speakers

Juan Pablo Fernandez Ramos, Julia Vasquez

16:30–17:00

Measurements of a vector boson and heavy-flavor jets with ATLAS and CMS

Speaker

Sandeep Kaur

17:00–17:30

Z boson production in association with bottom quarks at NNLO+PS

Speakers

Javier Mazzitelli, Javier Mazzitelli, Javier Mazzitelli

17:30