

PDF4LHC 2024 meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction

Monday 2 December 2024 09:00 (5 minutes)

Session Classification: Reports from experiments

Contribution ID: 3

Type: **not specified**

News from ATLAS

Monday 2 December 2024 09:05 (20 minutes)

Presenter: CONROY, Eimear Isobel (University of Oxford (GB))

Session Classification: Reports from experiments

Contribution ID: 5

Type: **not specified**

MSHT update

Monday 2 December 2024 12:15 (20 minutes)

Presenter: THORNE, Robert Samuel (University College London (UK))

Session Classification: Reports from PDF fitters

Contribution ID: 6

Type: **not specified**

CT update

Monday 2 December 2024 12:35 (20 minutes)

Presenter: Prof. NADOLSKY, Pavel (Southern Methodist University/Michigan State University)

Session Classification: Reports from PDF fitters

Contribution ID: 7

Type: **not specified**

NNPDF update

Monday 2 December 2024 12:00 (15 minutes)

Presenter: ROJO CHACON, Juan (Nikhef National institute for subatomic physics (NL))

Session Classification: Reports from PDF fitters

Contribution ID: 8

Type: **not specified**

ABMP update

Monday 2 December 2024 11:40 (20 minutes)

Presenter: GARZELLI, Maria Vittoria (Hamburg University (DE))

Session Classification: Reports from PDF fitters

Contribution ID: 24

Type: **not specified**

NNPDF alphas

Monday 2 December 2024 13:55 (20 minutes)

Presenter: STEGEMAN, Roy

Session Classification: Reports from PDF fitters

Contribution ID: **28**

Type: **not specified**

CMS precision EW

Monday 2 December 2024 09:50 (20 minutes)

Presenter: BENDAVID, Josh (Massachusetts Inst. of Technology (US))

Session Classification: News from experiments focus on electroweak

Contribution ID: 29

Type: **not specified**

ATLAS precision EW

Monday 2 December 2024 10:10 (20 minutes)

Presenter: BOONEKAMP, Maarten (Université Paris-Saclay (FR))

Session Classification: News from experiments focus on electroweak

Contribution ID: **30**

Type: **not specified**

Discussion

Monday 2 December 2024 10:30 (40 minutes)

Session Classification: News from experiments focus on electroweak

Contribution ID: **31**

Type: **not specified**

QED modifications to the cross section predictions at NNLO and aN3LO

Monday 2 December 2024 14:20 (20 minutes)

Presenter: Dr HOBBS, TIMOTHY J (Argonne National Laboratory)

Session Classification: New ideas: beyond NNLO

Contribution ID: **32**

Type: **not specified**

aN3LO MSHT/NNPDF combination

Monday 2 December 2024 15:00 (20 minutes)

Presenter: MAGNI, Giacomo (Nikhef, VU Amsterdam)

Session Classification: New ideas: beyond NNLO

Contribution ID: 33

Type: **not specified**

CT on current status of N3LO

Monday 2 December 2024 15:40 (20 minutes)

Presenter: Prof. NADOLSKY, Pavel (Southern Methodist University/Michigan State University)

Session Classification: New ideas: beyond NNLO

Contribution ID: **34**

Type: **not specified**

3-loop heavy flavour contributions

Monday 2 December 2024 14:40 (20 minutes)

Presenter: Prof. BLUEMLEIN, Johannes

Session Classification: New ideas: beyond NNLO

Contribution ID: 35

Type: **not specified**

Bayesian studies of the MC replica method

Tuesday 3 December 2024 09:00 (20 minutes)

Presenters: MOORE, James; MOORE, James

Session Classification: New ideas

Contribution ID: 36

Type: **not specified**

Bayesian combination and determination of PDFs

Tuesday 3 December 2024 09:20 (20 minutes)

Presenter: COSTANTINI, Mark

Session Classification: New ideas

Contribution ID: 37

Type: **not specified**

Classification and combination of PDFs using polynomial approximators

Tuesday 3 December 2024 11:25 (20 minutes)

Presenters: COURTOY, Aurore (Instituto de Fisica, UNAM); COURTOY, Aurore (IFPA)

Session Classification: New ideas

Contribution ID: **38**

Type: **not specified**

The Gaussian Mixture Model

Tuesday 3 December 2024 11:45 (20 minutes)

Presenter: MOHAN, Kirtimaan Ajaykant

Session Classification: New ideas

Contribution ID: 40

Type: **not specified**

Uncertainties on uncertainties

Tuesday 3 December 2024 10:45 (20 minutes)

Presenter: READER, Matthew

Session Classification: New ideas

Contribution ID: 41

Type: **not specified**

Gaussian processes

Tuesday 3 December 2024 12:05 (20 minutes)

Presenter: GIANI, Tommaso (Nikhef National institute for subatomic physics (NL))

Session Classification: New ideas

Contribution ID: 42

Type: **not specified**

Neural nets

Tuesday 3 December 2024 12:25 (20 minutes)

Presenters: DEL DEBBIO, Luigi (Unknown); DEL DEBBIO, Luigi (The University of Edinburgh (GB))

Session Classification: New ideas

Contribution ID: 44

Type: **not specified**

MSHT: closure tests and comparison to the neural net approach

Tuesday 3 December 2024 09:40 (20 minutes)

Presenter: Dr HARLAND-LANG, Lucian Alexander (University College London)

Session Classification: New ideas

Contribution ID: 45

Type: **not specified**

Closure tests with inconsistent data

Tuesday 3 December 2024 10:00 (20 minutes)

Presenter: FORTE, Stefano (Università degli Studi e INFN Milano (IT))

Session Classification: New ideas

Contribution ID: 46

Type: **not specified**

Discussion

Tuesday 3 December 2024 10:20 (25 minutes)

Session Classification: New ideas

Contribution ID: 47

Type: **not specified**

NNLO residual PDFs for massive VFN schemes at the LHC

Monday 2 December 2024 16:35 (20 minutes)

Presenter: GUZZI, Marco (Kennesaw State University)

Session Classification: New ideas

Contribution ID: 48

Type: **not specified**

Recent developments in the machine learning modelling of PDFs

Monday 2 December 2024 16:55 (20 minutes)

Presenter: Dr HOBBS, TIMOTHY J (Argonne National Laboratory)

Session Classification: New ideas

Contribution ID: 49

Type: **not specified**

Discussion

Monday 2 December 2024 16:00 (30 minutes)

Session Classification: New ideas: beyond NNLO

Contribution ID: 51

Type: **not specified**

MCMC for uncertainties

Monday 2 December 2024 17:15 (20 minutes)

Presenter: KUSINA, Aleksander

Session Classification: New ideas

Contribution ID: 52

Type: **not specified**

Discussion

Tuesday 3 December 2024 12:45 (25 minutes)

Session Classification: New ideas

Contribution ID: 53

Type: **not specified**

News from LHCb, including EW perspective

Monday 2 December 2024 09:25 (20 minutes)

Presenter: GRIESER, Nathan (University of Cincinnati (US))

Session Classification: Reports from experiments