

# **xFitter external meeting in Dubna**



## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **xFitter Status and Plans**

Contribution ID: 1

Type: **not specified**

## Welcome word

*Thursday 18 February 2016 10:00 (15 minutes)*

**Presenter:** ARBUZOV, Andrey (Joint Inst. for Nuclear Research (RU))

**Session Classification:** xFitter external meeting

Contribution ID: 2

Type: **not specified**

## Technical information

*Thursday 18 February 2016 10:15 (15 minutes)*

**Presenter:** SAPRONOV, Andrey (Joint Inst. for Nuclear Research (RU))

**Session Classification:** xFitter external meeting

Contribution ID: 3

Type: **not specified**

## Status of xFitter project

*Thursday 18 February 2016 10:30 (30 minutes)*

**Presenter:** PIRUMOV, Hayk (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** xFitter external meeting

Contribution ID: 4

Type: **not specified**

## **Overview of exp. challenges: precision and new observables**

*Thursday 18 February 2016 11:40 (20 minutes)*

**Presenter:** GLAZOV, Alexander (Deutsches Elektronen-Synchrotron Hamburg and Zeuthen (DE))

**Session Classification:** xFitter external meeting

Contribution ID: 5

Type: **not specified**

## **xFitter performance: ATLAS analysis**

*Thursday 18 February 2016 11:00 (20 minutes)*

**Presenter:** GWENLAN, Claire (University of Oxford (GB))

**Session Classification:** xFitter external meeting

Contribution ID: 6

Type: **not specified**

## **xFitter performance: CMS analysis**

*Thursday 18 February 2016 11:20 (20 minutes)*

**Presenter:** PLACAKYTE, Ringaile (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** xFitter external meeting



Contribution ID: 7

Type: **not specified**

## Theoretical issues in the measurement of the W boson mass

*Thursday 18 February 2016 14:00 (25 minutes)*

**Presenter:** BOONEKAMP, Maarten (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

**Session Classification:** xFitter users meeting

Contribution ID: 8

Type: **not specified**

## New observables

*Thursday 18 February 2016 14:45 (25 minutes)*

**Presenters:** SARKAR, Amanda (University of Oxford (GB)); SARKAR, Amanda (University of Oxford (GB)); SARKAR, amanda

**Session Classification:** xFitter users meeting

Contribution ID: 9

Type: **not specified**

## Discussion, groups by topic.

*Thursday 18 February 2016 15:50 (2h 10m)*

**Session Classification:** xFitter users meeting

Contribution ID: **10**

Type: **not specified**

## **The SANC project**

*Friday 19 February 2016 09:30 (30 minutes)*

**Presenter:** ARBUZOV, Andrey (Joint Institute for Nuclear Research (JINR))

**Session Classification:** xFitter external meeting

Contribution ID: 11

Type: **not specified**

## Resummation 1

*Friday 19 February 2016 10:00 (30 minutes)*

**Presenters:** CAMARDA, Stefano (CERN); BERTONE, Valerio (University of Oxford (GB))

**Session Classification:** xFitter external meeting

Contribution ID: 12

Type: **not specified**

## **Parton densities at small $x$ values. Combined H1 and ZEUS $F_2$ data. $F_2^c$ data. BFKL corrections**

*Friday 19 February 2016 10:30 (30 minutes)*

**Presenter:** KOTIKOV, Anatoly (Joint Inst. for Nuclear Research (RU))

**Session Classification:** xFitter external meeting

Contribution ID: 13

Type: **not specified**

## Heavy Flavors

*Friday 19 February 2016 11:00 (30 minutes)*

**Presenter:** OLNESS, Fred (Southern Methodist University)

**Session Classification:** xFitter external meeting

Contribution ID: 14

Type: **not specified**

## APPLgrid

*Friday 19 February 2016 14:00 (20 minutes)*

**Presenter:** STAROVOITOV, Pavel (Ruprecht-Karls-Universitaet Heidelberg (DE))

**Session Classification:** xFitter external meeting



Contribution ID: 15

Type: **not specified**

## **FastNLO, NNLO-Bridge, ALPOS**

*Friday 19 February 2016 14:20 (20 minutes)*

**Presenter:** RABBERTZ, Klaus (KIT - Karlsruhe Institute of Technology (DE))

**Session Classification:** xFitter external meeting

Contribution ID: **16**

Type: **not specified**

## CUTE

*Friday 19 February 2016 15:50 (20 minutes)*

**Presenter:** CAMARDA, Stefano (CERN)

**Session Classification:** xFitter external meeting

Contribution ID: 17

Type: **not specified**

## **QEDevol module in xFitter**

*Friday 19 February 2016 16:10 (20 minutes)*

**Presenter:** SADYKOV, Renat (Joint Inst. for Nuclear Research (RU))

**Session Classification:** xFitter external meeting

Contribution ID: **18**

Type: **not specified**

## HERAverager

*Friday 19 February 2016 15:00 (30 minutes)*

**Presenters:** GLAZOV, Alexander (Deutsches Elektronen-Synchrotron Hamburg and Zeuthen (DE)); KARNEVSKIY, Mikhail (Johannes-Gutenberg-Universitaet Mainz (DE))

**Session Classification:** xFitter external meeting

Contribution ID: 19

Type: **not specified**

## PDF profiling techniques

*Friday 19 February 2016 16:30 (30 minutes)*

**Presenters:** GLAZOV, Alexander (Deutsches Elektronen-Synchrotron Hamburg and Zeuthen (DE)); CAMARDA, Stefano (CERN)

**Session Classification:** xFitter external meeting

Contribution ID: **20**

Type: **not specified**

## **Common and group discussions**

*Friday 19 February 2016 17:00 (1 hour)*

**Session Classification:** xFitter external meeting

Contribution ID: 21

Type: **not specified**

## PDF parametrization

*Saturday 20 February 2016 11:50 (30 minutes)*

**Presenters:** SAPRONOV, Andrey (Joint Inst. for Nuclear Research (RU)); ALL

**Session Classification:** xFitter Developers Meeting

Contribution ID: 22

Type: **not specified**

## **GIT intro**

*Saturday 20 February 2016 09:30 (30 minutes)*

**Presenters:** ALL; SAPRONOV, Andrey (Joint Inst. for Nuclear Research (RU)); BERTONE, Valerio (University of Oxford (GB))

**Session Classification:** xFitter Developers Meeting



Contribution ID: 23

Type: **not specified**

## Drawing tools

*Saturday 20 February 2016 10:00 (30 minutes)*

**Presenters:** ALL; CAMARDA, Stefano (CERN)

**Session Classification:** xFitter Developers Meeting

Contribution ID: 24

Type: **not specified**

## **New physics topics in xFitter**

**Presenter:** ALL

Contribution ID: 25

Type: **not specified**

## Conclusions

*Saturday 20 February 2016 12:20 (10 minutes)*

**Session Classification:** xFitter Developers Meeting

Contribution ID: 26

Type: **not specified**

## Updates in TMD sector

*Friday 19 February 2016 11:30 (30 minutes)*

**Presenters:** LELEK, Aleksandra Anna (Deutsches Elektronen-Synchrotron (DE)); HAUTMANN, Francesco (University of Oxford (GB)); JUNG, Hannes (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** xFitter external meeting

Contribution ID: 27

Type: **not specified**

## News from APFEL

*Friday 19 February 2016 14:40 (20 minutes)*

**Presenter:** BERTONE, Valerio (University of Oxford (GB))

**Session Classification:** xFitter external meeting

Contribution ID: 28

Type: **not specified**

## **Experimental means to constrain theoretical systematics on $M_w$**

*Thursday 18 February 2016 14:25 (20 minutes)*

**Presenter:** KIVERNYK, Oleh (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

**Session Classification:** xFitter users meeting

Contribution ID: 29

Type: **not specified**

## User interface

*Saturday 20 February 2016 10:50 (30 minutes)*

**Presenter:** GLAZOV, Alexander (Deutsches Elektronen-Synchrotron Hamburg and Zeuthen (DE))

**Session Classification:** xFitter Developers Meeting

Contribution ID: **30**

Type: **not specified**

## **Interfaces for new theory modules**

*Saturday 20 February 2016 11:20 (30 minutes)*

**Presenter:** GLAZOV, Alexander (Deutsches Elektronen-Synchrotron Hamburg and Zeuthen (DE))

**Session Classification:** xFitter Developers Meeting



Contribution ID: **31**

Type: **not specified**

## **nCTEQ15 Nuclear PDFs**

*Thursday 18 February 2016 15:10 (20 minutes)*

**Presenter:** OLNESS, Fred (Southern Methodist University)

**Session Classification:** xFitter users meeting

Contribution ID: 32

Type: **not specified**

## **LHAPDF grid combination module**

*Saturday 20 February 2016 10:30 (20 minutes)*

**Presenter:** Mr SHVYDKIN, Pavel (JINR)

**Session Classification:** xFitter Developers Meeting