

# Quarkonia As Tools



## Report of Contributions

Contribution ID: 1

Type: **not specified**

## Organisation

**Session Classification:** proton-proton, electron-proton and electron-positron collisions

Contribution ID: 2

Type: **not specified**

## Test

**Session Classification:** proton-proton, electron-proton and electron-positron collisions

Contribution ID: 3

Type: **not specified**

## **Overview of experimental results in exclusive/diffractive quarkonia and why they are useful**

*Friday 18 January 2019 08:30 (40 minutes)*

**Presenter:** ZHANG, Yanxi

**Session Classification:** exclusive/diffractive reactions

Contribution ID: 4

Type: **not specified**

## **JLab/EIC: overview of experimental results**

*Friday 18 January 2019 09:10 (40 minutes)*

**Presenter:** BOSSU, Francesco (CEA-Saclay)

**Session Classification:** exclusive/diffractive reactions

Contribution ID: 5

Type: **not specified**

**What experimental channels are available to access  
Wigner distributions and what are their advantages.  
How certain are we about factorisation?**

*Friday 18 January 2019 09:50 (40 minutes)*

**Presenter:** BOUSSARIE, Renaud (Brookhaven National Lab)

**Session Classification:** exclusive/diffractive reactions

Contribution ID: 6

Type: **not specified**

## **What are the approximations used in low-x gluon fits when using exclusive quarkonia production. How reliable are they?**

*Friday 18 January 2019 11:00 (25 minutes)*

**Presenter:** FLETT, Chris (The University of Liverpool)

**Session Classification:** exclusive/diffractive reactions

Contribution ID: 7

Type: **not specified**

## **What type of exclusive measurements are missing?**

*Friday 18 January 2019 11:25 (35 minutes)*

**Presenter:** TERYAEV, Oleg (JINR)

**Session Classification:** exclusive/diffractive reactions



Contribution ID: 8

Type: **not specified**

## Overview of nuclear PDFs

*Tuesday 15 January 2019 09:30 (40 minutes)*

**Presenter:** SCHIENBEIN, Ingo (Universite Grenoble Alpes)

**Session Classification:** proton-nucleus and electron-nucleus

Contribution ID: 9

Type: **not specified**

## **Experimental overview of quarkonium measurements in proton-nucleus collisions**

*Tuesday 15 January 2019 09:00 (30 minutes)*

**Presenter:** Dr DA SILVA, Cesar Luiz (Los Alamos National Laboratory (US))

**Session Classification:** proton-nucleus and electron-nucleus

Contribution ID: 10

Type: **not specified**

## **Theoretical overview of cold nuclear matter effects in quarkonium production**

*Tuesday 15 January 2019 08:30 (30 minutes)*

**Presenter:** Dr WATANABE, Kazuhiro

**Session Classification:** proton-nucleus and electron-nucleus

Contribution ID: 11

Type: **not specified**

## **More thoughts on the extraction of (n)PDF with heavy quarks**

*Tuesday 15 January 2019 11:40 (20 minutes)*

**Presenter:** GARZELLI, Maria Vittoria

**Session Classification:** proton-nucleus and electron-nucleus

Contribution ID: 12

Type: **not specified**

## **Quarkonia, high-multiplicities, isolation, Monte Carlo and all that**

*Tuesday 15 January 2019 10:40 (30 minutes)*

**Presenter:** PORTEBOEUF, Sarah (Université Clermont Auvergne (FR))

**Session Classification:** proton-nucleus and electron-nucleus

Contribution ID: 13

Type: **not specified**

## **HELAC-Onia and web generation with NLOAccess**

*Tuesday 15 January 2019 11:10 (30 minutes)*

**Presenter:** Mr FLORE, Carlo (University and INFN, Cagliari)

**Session Classification:** proton-nucleus and electron-nucleus

Contribution ID: 14

Type: **not specified**

## **Round table discussion**

*Tuesday 15 January 2019 17:30 (2 hours)*

**Presenter:** D'ENTERRIA, David (CERN)

**Session Classification:** proton-nucleus and electron-nucleus

Contribution ID: 15

Type: **not specified**

## **Status of quarkonium hadro-production in the NLO era**

*Monday 14 January 2019 08:30 (30 minutes)*

**Presenter:** MEHEN, Thomas (Duke University)

**Session Classification:** proton-proton, electron-proton and electron-positron collisions



Contribution ID: 16

Type: **not specified**

## **Status of quarkonium ee/ep-production in the NLO era**

*Monday 14 January 2019 09:00 (30 minutes)*

**Presenter:** WANG, Jianxiong (IN)

**Session Classification:** proton-proton, electron-proton and electron-positron collisions

Contribution ID: 17

Type: **not specified**

## **LHC experimental prospects for quarkonia as tools**

*Monday 14 January 2019 09:30 (30 minutes)*

**Presenter:** RUSSELL, Heather (McGill University (CA))

**Session Classification:** proton-proton, electron-proton and electron-positron collisions

Contribution ID: **18**

Type: **not specified**

## **Heavy flavour PDFs and application for quarkonia**

**Presenters:** GARZELLI, Maria Vittoria; GARZELLI, Maria Vittoria

**Session Classification:** proton-proton, electron-proton and electron-positron collisions

Contribution ID: 19

Type: **not specified**

## Fragmentation functions and application for quarkonia

*Monday 14 January 2019 10:30 (30 minutes)*

**Presenter:** BERTONE, Valerio (NIKHEF)

**Session Classification:** proton-proton, electron-proton and electron-positron collisions

Contribution ID: 20

Type: **not specified**

## **Double parton scattering with quarkonia (V+QQ, D+QQ, ...)**

*Monday 14 January 2019 11:00 (30 minutes)*

**Presenter:** YAMANAKA, Nodoka (Riken)

**Session Classification:** proton-proton, electron-proton and electron-positron collisions

Contribution ID: 21

Type: **not specified**

## Overview of di-quarkonium studies

*Monday 14 January 2019 11:30 (30 minutes)*

**Presenter:** AN, Liupan (Universita e INFN, Firenze (IT))

**Session Classification:** proton-proton, electron-proton and electron-positron collisions

Contribution ID: 22

Type: **not specified**

## **Q&A (Young Scientists 15')**

*Monday 14 January 2019 17:00 (30 minutes)*

**Session Classification:** proton-proton, electron-proton and electron-positron collisions

Contribution ID: 23

Type: **not specified**

## Round table discussion

*Monday 14 January 2019 17:30 (2 hours)*

Chair: Vato Kartvelishvili

**Presenter:** KARTVELISHVILI, Vato (Lancaster University (GB))

**Session Classification:** proton-proton, electron-proton and electron-positron collisions



Contribution ID: 24

Type: **not specified**

## **TMDs in associated production: theory review**

*Thursday 17 January 2019 09:15 (25 minutes)*

**Presenter:** SCARPA, Florent (IPN Orsay - Paris-Sud U. - CNRS/IN2P3)

**Session Classification:** TMDs

Contribution ID: 25

Type: **not specified**

## **TMDs in associated production: experimental review**

*Thursday 17 January 2019 09:45 (25 minutes)*

**Presenter:** TEE, Amy (Lancaster University (GB))

**Session Classification:** TMDs

Contribution ID: 26

Type: **not specified**

## **Spin asymmetries in quarkonium production**

*Thursday 17 January 2019 08:30 (35 minutes)*

**Presenter:** Dr CHIOSSO, Michela (University of Torino and INFN)

**Session Classification:** TMDs

Contribution ID: 27

Type: **not specified**

## **TMD factorization in single & double parton scattering**

*Thursday 17 January 2019 11:15 (35 minutes)*

**Presenter:** KASEMETS, Tomas (JGU Mainz)

**Session Classification:** TMDs

Contribution ID: 28

Type: **not specified**

## **TMD factorization for quarkonium production**

**Presenter:** MEHEN, Thomas (Duke University)

**Session Classification:** TMDs

Contribution ID: 29

Type: **not specified**

## **Review of pQCD TMD calculations for $\eta$ , $\chi$ , $J/\psi$ +photon, etc**

**Presenter:** WANG, Jianxiong (IN)

**Session Classification:** TMDs

Contribution ID: **30**

Type: **not specified**

**TBA**

**Session Classification:** TMDs

Contribution ID: 31

Type: **not specified**

## **Q&A session (Young Scientists 15')**

*Thursday 17 January 2019 17:00 (30 minutes)*

**Presenter:** PISANO, Cristian (University and INFN Cagliari (Italy))

**Session Classification:** TMDs



Contribution ID: 32

Type: **not specified**

## Round table

*Thursday 17 January 2019 17:30 (2 hours)*

**Presenter:** PISANO, Cristian (University and INFN Cagliari (Italy))

**Session Classification:** TMDs

Contribution ID: 33

Type: **not specified**

## **Charmonia in AA**

*Wednesday 16 January 2019 09:10 (40 minutes)*

**Presenter:** Dr LARDEUX, Antoine (University of Oslo (NO))

**Session Classification:** nucleus-nucleus collisions

Contribution ID: 34

Type: **not specified**

## **Bottomonia in AA**

*Wednesday 16 January 2019 10:30 (40 minutes)*

**Presenter:** CALDERON DE LA BARCA SANCHEZ, Manuel (University of California Davis (US))

**Session Classification:** nucleus-nucleus collisions

Contribution ID: 35

Type: **not specified**

## Quarkonia in small systems

*Wednesday 16 January 2019 11:10 (40 minutes)*

**Presenter:** CRKOVSKA, Jana (Institut de Physique Nucleaire Orsay (FR))

**Session Classification:** nucleus-nucleus collisions

Contribution ID: 36

Type: **not specified**

## Quarkonium dynamics and energy loss

*Wednesday 16 January 2019 08:30 (40 minutes)*

**Presenter:** Dr VITEV, Ivan

**Session Classification:** nucleus-nucleus collisions

Contribution ID: 38

Type: **not specified**

## Q&A (Young Scientists 15')

*Friday 18 January 2019 17:00 (30 minutes)*

**Presenter:** MCNULTY, Ronan (University College Dublin (IE))

**Session Classification:** exclusive/diffractive reactions

Contribution ID: 39

Type: **not specified**

## Round table discussion

*Friday 18 January 2019 17:30 (2 hours)*

**Presenter:** MCNULTY, Ronan (University College Dublin (IE))

**Session Classification:** exclusive/diffractive reactions

Contribution ID: 40

Type: **not specified**

## **Q&A session (Young Scientists 15')**

*Tuesday 15 January 2019 17:00 (30 minutes)*

**Presenter:** D'ENTERRIA, David (CERN)

**Session Classification:** proton-nucleus and electron-nucleus



Contribution ID: 41

Type: **not specified**

## Q&A (Young Scientists 15')

*Wednesday 16 January 2019 17:00 (30 minutes)*

**Presenter:** GOSSIAUX, Pol (Subatech)

**Session Classification:** nucleus-nucleus collisions

Contribution ID: 42

Type: **not specified**

## **Round table discussion**

*Wednesday 16 January 2019 17:30 (2 hours)*

**Presenter:** GOSSIAUX, Pol (Subatech)

**Session Classification:** nucleus-nucleus collisions

Contribution ID: 43

Type: **not specified**

## **Probing gluon TMDs in J/Psi hadro- and electroproduction**

*Thursday 17 January 2019 10:45 (25 minutes)*

**Presenter:** Dr TAELS, Pieter Maria (INFN - National Institute for Nuclear Physics)

**Session Classification:** TMDs

Contribution ID: 44

Type: **not specified**

## **pp/ep/ee session synthesis**

*Saturday 19 January 2019 09:00 (15 minutes)*

**Presenter:** PRICE, Darren (University of Manchester (GB))

**Session Classification:** Overview

Contribution ID: 45

Type: **not specified**

## **pA/eA session synthesis**

*Saturday 19 January 2019 09:30 (15 minutes)*

**Presenter:** SHAO, Huasheng (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Overview

Contribution ID: 46

Type: **not specified**

## **AA session synthesis**

*Saturday 19 January 2019 10:00 (15 minutes)*

**Presenter:** CHAPON, Émilien (CERN)

**Session Classification:** Overview

Contribution ID: 47

Type: **not specified**

## **TMD session synthesis**

*Saturday 19 January 2019 11:00 (15 minutes)*

**Presenter:** Dr ECHEVARRIA, Miguel (INFN Pavia)

**Session Classification:** Overview

Contribution ID: 48

Type: **not specified**

## **Exclusive session synthesis**

*Saturday 19 January 2019 11:30 (15 minutes)*

**Presenter:** VAN HULSE, Charlotte Barbara (University College Dublin (IE))

**Session Classification:** Overview