

Synergies between LHC and EIC for quarkonium physics

Report of Contributions

Contribution ID: 1

Type: **not specified**

Experimental review on quarkonium production at the LHC

Monday, July 8, 2024 9:30 AM (30 minutes)

Presenter: KARTVELISHVILI, Vato (Lancaster University, UK)

Session Classification: Morning 1

Contribution ID: 2

Type: **not specified**

Legacy of HERA: Quarkonium production at ZEUS and H1

Monday, July 8, 2024 10:00 AM (30 minutes)

Presenter: BRUNI, Alessia (INFN Bologna)

Session Classification: Morning 1

Contribution ID: 3

Type: **not specified**

Theory review of quarkonium production

Monday, July 8, 2024 11:00 AM (30 minutes)

Presenter: LANSBERG, Jean-Philippe (Université Paris-Saclay, CNRS, IJCLab)

Session Classification: Morning 1

Contribution ID: 4

Type: **not specified**

Advance in potential-NQRCD studies for quarkonium production

Monday, July 8, 2024 12:00 PM (30 minutes)

Co-author: BRAMBILLA, Nora (TU München, Germany)

Presenter: WANG, Xiangpeng (Technical University of Munich)

Session Classification: Morning 1

Contribution ID: 5

Type: **not specified**

NLO inclusive J/ψ photoproduction at large p_T from HERA to the EIC

Monday, July 8, 2024 11:30 AM (30 minutes)

Presenter: YEDELKINA, Yelyzaveta (IJC Lab, University Paris-Saclay, University College Dublin)

Session Classification: Morning 1

Contribution ID: 6

Type: **not specified**

NRQCD in Pythia

Presenter: COOKE, Naomi

Session Classification: Morning 5

Contribution ID: 7

Type: **not specified**

Collinear Factorization: PDFs, massive schemes, resummations, and quarkonia

Monday, July 8, 2024 2:00 PM (30 minutes)

Presenter: NOCERA, Emanuele Roberto (University of Torino and INFN, Torino)

Session Classification: Afternoon 1

Contribution ID: 8

Type: **not specified**

Nuclear PDFs and quarkonia

Monday, July 8, 2024 2:30 PM (30 minutes)

Presenter: JEZO, Tomas (University of Münster, ITP)

Session Classification: Afternoon 1

Contribution ID: 9

Type: **not specified**

From BFKL to Shock wave and CGC in quarkonium production

Thursday, July 11, 2024 11:00 AM (30 minutes)

Presenter: FUCILLA, Michael (Laboratoire de Physique des 2 Infinis Irène Joliot-Curie IJCLab, Université Paris Saclay)

Session Classification: Morning 4

Contribution ID: **10**

Type: **not specified**

Questions for the day

Monday, July 8, 2024 3:00 PM (30 minutes)

Session Classification: Afternoon 1

Contribution ID: **11**

Type: **not specified**

Round tables (1h45)

Monday, July 8, 2024 4:15 PM (1h 45m)

Global analysis incl. photo and hadroproduction
Extraction of PDFs
Realm of Fragmentation Functions

Session Classification: Afternoon 1

Contribution ID: 17

Type: **not specified**

Experimental results on exclusive, diffractive and diffractive dissociative quarkonium production at the LHC

Thursday, July 11, 2024 9:00 AM (30 minutes)

Presenter: MCNULTY, Ronan (University College Dublin)

Session Classification: Morning 4

Contribution ID: **18**

Type: **not specified**

Odderon and exclusive quarkonium production

Presenter: KAUSHIK, Abhiram (Institut Ruđer Bošković)

Session Classification: Morning 3

Contribution ID: 20

Type: **not specified**

Inclusive photoproduction of quarkonium at the LHC via UPCs

Wednesday, July 10, 2024 9:30 AM (30 minutes)

Presenter: LYNCH, Kate (UC Dublin and Paris-Saclay University IJClab)

Session Classification: Morning 3

Contribution ID: 21

Type: **not specified**

DPS, TPS and MPI in quarkonium production

Friday, July 12, 2024 9:00 AM (30 minutes)

Presenter: ASCIOTI, Maria Elena (Università e INFN, Perugia (IT))

Session Classification: Morning 5

Contribution ID: 22

Type: **not specified**

DPS in quarkonium hadroproduction and photoproduction

Friday, July 12, 2024 9:30 AM (30 minutes)

Presenter: RINALDI, Matteo (INFN section of PERugia)

Session Classification: Morning 5

Contribution ID: 23

Type: **not specified**

Gluon TMDs in di-J/psi hadroproduction

Tuesday, July 9, 2024 9:30 AM (30 minutes)

Presenter: BOR, Jelle (University of Groningen (VSI) & Université Paris-Saclay (IJCLab))

Session Classification: Morning 2

Contribution ID: 24

Type: **not specified**

Experimental results on double J/ψ hadroproduction

Tuesday, July 9, 2024 10:00 AM (30 minutes)

Presenter: AN, Liupan (Peking University)

Session Classification: Morning 2

Contribution ID: 25

Type: **not specified**

Azimuthal asymmetries in J/ψ + jet at the EIC

Tuesday, July 9, 2024 11:30 AM (30 minutes)

Presenter: MAXIA, Luca (University of Groningen)

Session Classification: Morning 2

Contribution ID: 26

Type: **not specified**

Spin asymmetries in (semi-)inclusive processes from the LHC to EIC

Tuesday, July 9, 2024 11:00 AM (30 minutes)

Presenter: YOSHIDA, Shinsuke (South China Normal University)

Session Classification: Morning 2

Contribution ID: 27

Type: **not specified**

Quarkonium-shape functions

Session Classification: Morning 2

Contribution ID: 28

Type: **not specified**

Quarkonium production and TMDs in MG5

Tuesday, July 9, 2024 2:00 PM (30 minutes)

Presenter: COLPANI SERRI, Alice (Warsaw University of Technology)

Session Classification: Afternoon 2

Contribution ID: 29

Type: **not specified**

Spin asymmetries in quarkonium production

Tuesday, July 9, 2024 12:00 PM (30 minutes)

Presenter: KATO, Nanako (University of Cagliari)

Session Classification: Morning 2

Contribution ID: **30**

Type: **not specified**

LHCSpin

Session Classification: Afternoon 2

Contribution ID: 31

Type: **not specified**

Questions for the day

Tuesday, July 9, 2024 3:00 PM (30 minutes)

Session Classification: Afternoon 2

Contribution ID: **32**

Type: **not specified**

Round table

Tuesday, July 9, 2024 4:15 PM (1h 45m)

Session Classification: Afternoon 2

Contribution ID: 33

Type: **not specified**

Quarkonium production and TMDs

Tuesday, July 9, 2024 9:00 AM (30 minutes)

Presenter: PISANO, Cristian (University and INFN Cagliari)

Session Classification: Morning 2

Contribution ID: 34

Type: **not specified**

Questions for the day

Wednesday, July 10, 2024 11:00 AM (30 minutes)

Session Classification: Morning 3

Contribution ID: 35

Type: **not specified**

Asymmetric collisions in Madgraph

Thursday, July 11, 2024 2:00 PM (30 minutes)

Presenter: SAFRONOV, Anton (Warsaw University of Technology)

Session Classification: Afternoon 4

Contribution ID: **36**

Type: **not specified**

Color reconnection and MC involving quarkonia

Tuesday, July 9, 2024 2:30 PM (30 minutes)

Presenter: STASTO, Anna (Penn State)

Session Classification: Afternoon 2

Contribution ID: 37

Type: **not specified**

Exclusive quarkonium productions: NLO effects, QCD evolution and resummation

Thursday, July 11, 2024 9:30 AM (30 minutes)

Presenter: NABEEBACCUS, Saad (IJCLAB - CNRS- Université Paris-Saclay (FR))

Session Classification: Morning 4

Contribution ID: 38

Type: **not specified**

Discussion on HL-LHC quarkonium prospects in pp collisions

Thursday, July 11, 2024 4:15 PM (30 minutes)

Presenters: AN, Liupan (Peking University); KARTVELISHVILI, Vato (Lancaster University, UK); MC-NULTY, Ronan (University College Dublin)

Session Classification: Afternoon 4

Contribution ID: 39

Type: **not specified**

HL-LHC quarkonium prospects in pA/AA collisions

Thursday, July 11, 2024 2:30 PM (30 minutes)

Presenter: RAKOTOZAFINDRABE, Andry (CEA Saclay, IRFU/DPhN)

Session Classification: Afternoon 4

Contribution ID: 40

Type: **not specified**

ePIC and quarkonia

Thursday, July 11, 2024 11:30 AM (30 minutes)

Presenter: FAZIO, Salvatore (Brookhaven National Laboratory)

Session Classification: Morning 4

Contribution ID: 41

Type: **not specified**

Review on excited quarkonium photoproduction

Wednesday, July 10, 2024 9:00 AM (30 minutes)

Presenter: NEFEDOV, Maxim (IJClab, Orsay)

Session Classification: Morning 3

Contribution ID: 42

Type: **not specified**

Photoproduction in Madgraph

Wednesday, July 10, 2024 10:00 AM (30 minutes)

Presenter: MANNA, Laboni (Warsaw University of Technology)

Session Classification: Morning 3

Contribution ID: 43

Type: **not specified**

Synergies EIC-LHC for TMD studies (with quarkonia)

Friday, July 12, 2024 11:00 AM (30 minutes)

Presenter: BOER, Daniël (University of Groningen)

Session Classification: Morning 5

Contribution ID: 44

Type: **not specified**

Complementarity EIC-LHC for diffractive / exclusive studies (with quarkonia)

Friday, July 12, 2024 11:30 AM (30 minutes)

Presenter: VAN HULSE, Charlotte

Session Classification: Morning 5

Contribution ID: 45

Type: **not specified**

Complementarity EIC-LHC for heavy-ion studies (with quarkonia)

Friday, July 12, 2024 12:00 PM (30 minutes)

Presenter: KIKOLA, Daniel (Warsaw University of Technology)

Session Classification: Morning 5

Contribution ID: 46

Type: **not specified**

Coffee break

Session Classification: Morning 5

Contribution ID: 47

Type: **not specified**

NLOAccess

Friday, July 12, 2024 10:00 AM (30 minutes)

Presenter: FLORE, Carlo

Session Classification: Morning 5

Contribution ID: 48

Type: **not specified**

Round tables (1h)

Wednesday, July 10, 2024 11:30 AM (1h 30m)

Session Classification: Morning 3

Contribution ID: 49

Type: **not specified**

Questions for the day

Thursday, July 11, 2024 3:00 PM (30 minutes)

Session Classification: Afternoon 4

Contribution ID: 50

Type: **not specified**

Round table

Thursday, July 11, 2024 4:45 PM (1h 15m)

Session Classification: Afternoon 4

Contribution ID: 51

Type: **not specified**

Xfitter and quarkonia

Presenter: FLETT, Chris (IJCLab, Orsay)

Session Classification: Morning 4

Contribution ID: 52

Type: **not specified**

Round table on simulation needs and theory tools

Friday, July 12, 2024 2:30 PM (1 hour)

Session Classification: Afternoon 5

Contribution ID: 53

Type: **not specified**

Prospects for isolated quarkonium studies

Thursday, July 11, 2024 12:00 PM (30 minutes)

Presenter: CARCEDO, lidia (universidad de Alcalá)

Session Classification: Morning 4

Contribution ID: 54

Type: **not specified**

Questions for the day

Friday, July 12, 2024 2:00 PM (30 minutes)

Session Classification: Afternoon 5

Contribution ID: 55

Type: **not specified**

Round table on synergies (1h)

Friday, July 12, 2024 3:30 PM (1 hour)

Session Classification: Afternoon 5

Contribution ID: 56

Type: **not specified**

Closing & QaT2025 plan

Friday, July 12, 2024 4:30 PM (15 minutes)

Session Classification: Afternoon 5

Contribution ID: 57

Type: **not specified**

Welcome address

Monday, July 8, 2024 9:00 AM (30 minutes)

Session Classification: Morning 1

Contribution ID: 58

Type: **not specified**

Quarkonium, PDFs and xFitter

Thursday, July 11, 2024 10:00 AM (30 minutes)

Presenter: FLETT, Chris (IJCLab, Orsay)

Session Classification: Morning 4

Contribution ID: 59

Type: **not specified**

Questions for the day

Monday, July 8, 2024 4:00 PM (15 minutes)

Session Classification: Afternoon 1

Contribution ID: **60**

Type: **not specified**

Questions for the day

Tuesday, July 9, 2024 4:00 PM (15 minutes)

Session Classification: Afternoon 2

Contribution ID: **61**

Type: **not specified**

Questions for the day

Thursday, July 11, 2024 4:00 PM (15 minutes)

Session Classification: Afternoon 4