

**Photon 2017: International  
Conference on the Structure  
and the Interactions of the  
Photon | International  
Workshop on Photon-Photon  
Collisions | International  
Workshop on High Energy  
Photon Colliders**



**Report of Contributions**

Contribution ID: 0

Type: **not specified**

**TBD**

Contribution ID: 1

Type: **not specified**

## Photon-photon collisions at the LHC

*Tuesday, May 23, 2017 9:00 AM (30 minutes)*

**Presenter:** KHOZE, Valery (University of Durham (GB))

Contribution ID: 2

Type: **not specified**

## **Exclusive photoproduction at HERA (Summary H1/ZEUS)**

*Wednesday, May 24, 2017 10:55 AM (25 minutes)*

**Presenter:** LUKINA, Olga (M.V. Lomonosov Moscow State University (RU))

Contribution ID: 3

Type: **not specified**

## **Photon-photon collisions in LHCb**

Contribution ID: 4

Type: **not specified**

## **gamma-gamma processes in SuperChic**

*Tuesday, May 23, 2017 2:25 PM (25 minutes)*

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

Contribution ID: 5

Type: **not specified**

## **Photoproduction prospects at a fixed-target at LHC**

*Wednesday, May 24, 2017 4:35 PM (25 minutes)*

**Presenter:** MASSACRIER, Laure Marie (Universite de Paris-Sud 11 (FR))

Contribution ID: 6

Type: **not specified**

## **ALPs searches at beam-dump experiments**

*Monday, May 22, 2017 2:25 PM (25 minutes)*

**Presenter:** DOBRICH, Babette (CERN)



Contribution ID: 7

Type: **not specified**

## **Photon colliders at future e+e- linear facilities, and the $W \leq 12$ GeV gamma-gamma collider proposal**

*Monday, May 22, 2017 10:55 AM (25 minutes)*

**Presenter:** Prof. TELNOV, Valery (Budker INP and Novosibirsk State Univ.)

Contribution ID: 8

Type: **not specified**

## Photon regeneration experiments

*Monday, May 22, 2017 2:50 PM (25 minutes)*

**Presenter:** KARNEVSKIY, Mikhail (Johannes-Gutenberg-Universitaet Mainz (DE))

Contribution ID: 9

Type: **not specified**

**TBD**

Contribution ID: **10**

Type: **not specified**

## **Photon-p,A collisions ATLAS**

*Wednesday, May 24, 2017 9:00 AM (25 minutes)*

**Presenter:** WEBB, Samuel (Johannes-Gutenberg-Universitaet Mainz (DE))

Contribution ID: **11**

Type: **not specified**

**TBD**

Contribution ID: **12**

Type: **not specified**

**TBD**

Contribution ID: **13**

Type: **not specified**

**TBD**

Contribution ID: 14

Type: **not specified**

## **LUXqed photon PDF**

*Wednesday, May 24, 2017 12:10 PM (25 minutes)*

**Presenter:** ZANDERIGHI, Giulia (CERN)



Contribution ID: **16**

Type: **not specified**

**TBD**

Contribution ID: 17

Type: **not specified**

**TBD**

Contribution ID: **18**

Type: **not specified**

## **Photon-p,A collisions LHCb**

Contribution ID: **19**

Type: **not specified**

**TBD**

Contribution ID: 20

Type: **not specified**

## **gamma-gamma processes in PY8**

*Tuesday, May 23, 2017 2:00 PM (25 minutes)*

**Presenter:** Dr HELENIUS, Ilkka (Tübingen University)

Contribution ID: **21**

Type: **not specified**

**talk**

Contribution ID: 22

Type: **not specified**

## **Photonuclear excitations at the LHC**

*Wednesday, May 24, 2017 5:00 PM (25 minutes)*

**Presenter:** NYSTRAND, Joakim (University of Bergen (NO))

Contribution ID: 23

Type: **not specified**

## Photon-p,A collisions CMS

*Wednesday, May 24, 2017 9:50 AM (15 minutes)*

### Summary

**Presenters:** DUTTA, Dipanwita (Bhabha Atomic Research Centre (IN)); CHUDASAMA, Ruchi (Bhabha Atomic Research Centre (IN))



Contribution ID: 24

Type: **not specified**

**TBD**

Contribution ID: 25

Type: **not specified**

**TBD**

Contribution ID: 26

Type: **not specified**

## **Photoproduction of vector mesons in ultra-peripheral Pb-Pb interactions with ALICE**

*Tuesday, May 23, 2017 10:20 AM (25 minutes)*

**Presenter:** ANSON, Christopher (Creighton University (US))

Contribution ID: 27

Type: **not specified**

**TBD**

Contribution ID: 28

Type: **not specified**

## **Two-photon & ISR physics results at BELLE**

*Monday, May 22, 2017 9:35 AM (25 minutes)*

**Presenter:** SHEN, Chengping (Beihang University (CN))

Contribution ID: 29

Type: **not specified**

## **Systematics of photon-photon hadronic cross-sections**

*Tuesday, May 23, 2017 4:35 PM (25 minutes)*

**Presenter:** GODBOLE, Rohini Madhusudan (Indian Institute of Science (IN))

Contribution ID: **30**

Type: **not specified**

## **Photon-photon collisions at future e+e- circular colliders**

*Monday, May 22, 2017 11:20 AM (25 minutes)*

**Presenter:** REBELLO TELES, Patricia (CBPF - Brazilian Center for Physics Research (BR))

Contribution ID: **31**

Type: **not specified**

## Workshop introduction

*Monday, May 22, 2017 9:00 AM (10 minutes)*

### Summary

**Primary author:** D'ENTERRIA, David (CERN)

**Co-authors:** DE ROECK, Albert (CERN); MANGANO, Michelangelo (CERN)

**Presenters:** DE ROECK, Albert (CERN); D'ENTERRIA, David (CERN); MANGANO, Michelangelo (CERN)



Contribution ID: 32

Type: **not specified**

## **gamma-gamma-> axions in ultraperipheral ion collisions**

*Tuesday, May 23, 2017 4:10 PM (25 minutes)*

### **Summary**

**Presenter:** LOU, Tim

Contribution ID: 33

Type: **not specified**

## **Photon-photon colliders: Summary of the ICFA'17 workshop**

*Monday, May 22, 2017 10:00 AM (25 minutes)*

**Presenter:** CHOU, Weiren (Fermilab)

Contribution ID: 34

Type: **not specified**

## **Two-photon & ISR physics results at BaBar**

*Monday, May 22, 2017 2:00 PM (25 minutes)*

**Presenter:** BERNARD, Denis Robert Leon (Centre National de la Recherche Scientifique (FR))

Contribution ID: 35

Type: **not specified**

**TBD**

Contribution ID: **36**

Type: **not specified**

**talk**

Contribution ID: 37

Type: **not specified**

## **Photoproduction prospects at the EIC**

*Wednesday, May 24, 2017 4:10 PM (25 minutes)*

**Presenter:** MAANTYSAARI, Heikki (Brookhaven National Laboratory)

Contribution ID: **38**

Type: **not specified**

**TBD**

Contribution ID: **39**

Type: **not specified**

**TBD**



Contribution ID: **40**

Type: **not specified**

**TBD**

Contribution ID: **41**

Type: **not specified**

**talk**

Contribution ID: 42

Type: **not specified**

## Photon-photon collisions in CMS

*Tuesday, May 23, 2017 9:55 AM (25 minutes)*

**Presenter:** CHUDASAMA, Ruchi (Bhabha Atomic Research Centre (IN))

Contribution ID: 43

Type: **not specified**

## Photon-photon collisions in ATLAS

*Tuesday, May 23, 2017 9:30 AM (25 minutes)*

**Presenter:** CHAU, Chav Chhiv (Carleton University (CA))

Contribution ID: 44

Type: **not specified**

## **Exploring pseudo-Nambu-Goldstone bosons in the sub-eV to 10 keV mass range with stimulated photon collider**

*Monday, May 22, 2017 12:35 PM (25 minutes)*

### **Summary**

**Presenter:** Prof. HOMMA, Kensuke

Contribution ID: 45

Type: **not specified**

## **Photoproduction of the J/Psi and spin effects in hadron hadron collisions at RHIC**

**Presenter:** SCHMIDKE, William (B)

Contribution ID: 46

Type: **not specified**

## **Status of Hadronic Light-by-Light Scattering and (g-2)**

*Monday, May 22, 2017 3:40 PM (25 minutes)*

**Presenter:** MASJUAN QUERALT, Pere

Contribution ID: 47

Type: **not specified**

## Status of the proton radius puzzle

*Monday, May 22, 2017 4:30 PM (25 minutes)*

**Presenter:** PAZ, Gil (Wayne State University)



Contribution ID: 48

Type: **not specified**

## Ultrapерipheral collisions in STAR

*Tuesday, May 23, 2017 11:10 AM (25 minutes)*

**Presenter:** ADAM, Jaroslav (Czech Technical University (CZ))

Contribution ID: 49

Type: **not specified**

## **xFitter photon PDF**

*Wednesday, May 24, 2017 2:00 PM (25 minutes)*

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

Contribution ID: 50

Type: **not specified**

## **New ideas on forward-tagging of gamma-gamma processes**

*Tuesday, May 23, 2017 12:25 PM (25 minutes)*

**Presenter:** ORAVA, Risto (Helsinki Institute of Physics (FI))

Contribution ID: 51

Type: **not specified**

## Photoproduction at JLab

*Wednesday, May 24, 2017 3:15 PM (25 minutes)*

**Presenter:** ILIEVA, Yordanka (University of South Carolina)

Contribution ID: 52

Type: **not specified**

# **Energy dependence of exclusive J/Psi photoproduction in p-Pb interactions with ALICE**

*Wednesday, May 24, 2017 9:25 AM (25 minutes)*

## **Summary**

**Presenter:** BROZ, Michal (Czech Technical University (CZ))

Contribution ID: 53

Type: **not specified**

## **pQCD theory of single inclusive hadron production**

**Presenters:** STRATMANN, Marco (Brookhaven National Laboratory); STRATMANN, Marco (Brookhaven National Laboratory)

Contribution ID: 54

Type: **not specified**

## **$\gamma\text{-}\gamma\text{-}\rightarrow\gamma\text{-}\gamma$ at the LHC and FCC**

*Tuesday, May 23, 2017 2:50 PM (25 minutes)*

**Primary author:** D'ENTERRIA, David (CERN)

**Co-author:** DA SILVEIRA, Gustavo Gil (Universidade do Estado do Rio de Janeiro (BR))

**Presenters:** D'ENTERRIA, David (CERN); DA SILVEIRA, Gustavo Gil (Universidade do Estado do Rio de Janeiro (BR))

Contribution ID: 55

Type: **not specified**

## $\gamma^*\gamma^*$ Cross Section at NLO and Properties of the BFKL Evolution at Higher Orders

**Presenter:** Dr CHIRILLI, Giovanni Antonio (The Ohio State University)



Contribution ID: 56

Type: **not specified**

## **Prompt photons at HERA (Summary H1/ZEUS)**

*Wednesday, May 24, 2017 10:05 AM (25 minutes)*

**Presenter:** BUSSEY, Peter John (University of Glasgow (GB))

Contribution ID: 57

Type: **not specified**

## DVCS and GPDs

*Wednesday, May 24, 2017 2:25 PM (25 minutes)*

**Presenter:** GUIDAL, Michel (CNRS)

Contribution ID: 58

Type: **not specified**

## Photoproduction at COMPASS

*Wednesday, May 24, 2017 2:50 PM (25 minutes)*

**Presenter:** GUSKOV, Alexey (Joint Institute for Nuclear Research (RU))

Contribution ID: 59

Type: **not specified**

## **Review of photon structure functions : past, present, future**

*Monday, May 22, 2017 9:10 AM (25 minutes)*

**Presenter:** SASAKI, Ken

Contribution ID: **60**

Type: **not specified**

## **F2gamma at ILC/FCC-ee**

*Monday, May 22, 2017 11:45 AM (25 minutes)*

**Presenter:** KRUPA, Beata (Institute of Nuclear Physics Polish Academy of Sciences)

Contribution ID: **61**

Type: **not specified**

## **The CERN Gamma Factory proposal**

*Monday, May 22, 2017 3:15 PM (25 minutes)*

**Presenter:** KRASNY, Mieczyslaw (Centre National de la Recherche Scientifique (FR))

Contribution ID: **62**

Type: **not specified**

## **Prompt photon production in POWHEG**

*Monday, May 22, 2017 4:55 PM (25 minutes)*

**Presenter:** KLASSEN, Michael

Contribution ID: 63

Type: **not specified**

## Ultrapерipheral collisions in PHENIX



Contribution ID: **64**

Type: **not specified**

## **Ridge phenomena in photon-photon collisions**

*Tuesday, May 23, 2017 5:00 PM (25 minutes)*

**Presenter:** BRODSKY, Stanley (SLAC National Accelerator Laboratory)

Contribution ID: 65

Type: **not specified**

## **Anomalous gauge boson couplings in photon-induced collisions at the LHC and FCC**

*Friday, May 26, 2017 12:00 PM (25 minutes)*

**Presenter:** Dr FICHET, sylvain

Contribution ID: 66

Type: **not specified**

## **Anomalous top couplings in photon-induced collisions at the LHC and FCC**

**Presenter:** TAHERI MONFARED, Sara (IPM)

Contribution ID: 67

Type: **not specified**

## **Exclusive QQbar photoproduction and proton structure**

*Wednesday, May 24, 2017 11:20 AM (25 minutes)*

**Presenter:** SCHENKE, Bjoern (Brookhaven National Lab)

Contribution ID: **68**

Type: **not specified**

# **Review of Extragalactic High-Energy Gamma-Ray Astronomy**

*Thursday, May 25, 2017 9:00 AM (30 minutes)*

## **Summary**

**Presenter:** TAYLOR, Andrew (DIAS)

Contribution ID: 69

Type: **not specified**

## **Search for Ultra-High Energy Photons with the Pierre Auger Observatory**

*Thursday, May 25, 2017 9:30 AM (25 minutes)*

**Presenter:** HOMOLA, Piotr (Institute of Nuclear Physics PAS)

Contribution ID: 70

Type: **not specified**

## **Photoproduction and CR showers**

*Thursday, May 25, 2017 9:55 AM (25 minutes)*

**Presenter:** PANCHERI, Giulia (INFN Frascati)

Contribution ID: 71

Type: **not specified**

## Isolated photons at NNLO

*Friday, May 26, 2017 9:00 AM (25 minutes)*

**Presenter:** ELLIS, Richard Keith (University of Durham (GB))



Contribution ID: 72

Type: **not specified**

## **QCD single photon, photon+jet and diphoton final-states in ATLAS**

*Friday, May 26, 2017 9:25 AM (25 minutes)*

**Presenters:** TERRON, Juan; TERRON CUADRADO, Juan (Universidad Autonoma de Madrid (ES))

Contribution ID: 73

Type: **not specified**

# Measurement of direct and isolated photons with ALICE

*Friday, May 26, 2017 9:50 AM (25 minutes)*

**Presenter:** MARQUARD, Marco (Johann-Wolfgang-Goethe Univ. (DE))

Contribution ID: 74

Type: **not specified**

## **QCD single photon, photon+jet and diphoton final-states in CMS**

Contribution ID: 75

Type: **not specified**

## **Photon production at PHENIX in proton and nuclear collisions:**

*Friday, May 26, 2017 10:15 AM (25 minutes)*

**Presenter:** NOVITZKY, Norbert (Helsinki Institute of Physics (FI))

Contribution ID: 76

Type: **not specified**

## **State-of-the-art QED corrections in Z & W production in hadronic collisions**

*Friday, May 26, 2017 11:10 AM (25 minutes)*

**Presenter:** SCHWINN, Christian (RWTH Aachen University)

Contribution ID: 77

Type: **not specified**

## LHCb rare b,c radiative decays

*Friday, May 26, 2017 12:25 PM (25 minutes)*

**Presenter:** PUIG NAVARRO, Albert (Universität Zürich (CH))

Contribution ID: 78

Type: **not specified**

## **Very forward photon production in pp at 13 TeV measured at LHCf**

*Thursday, May 25, 2017 10:20 AM (25 minutes)*

### **Summary**

**Presenter:** TIBERIO, Alessio (Universita e INFN, Firenze (IT))

Contribution ID: 79

Type: **not specified**

## **Radio/plasma interactions and implications for high-energy astro-particle physics**

*Thursday, May 25, 2017 11:15 AM (20 minutes)*

**Presenter:** PROHIRA, steven (University of Kansas)



Contribution ID: **80**

Type: **not specified**

## **Search for Extensive Photon Cascades with the Cosmic-Ray Extremely Distributed Observatory**

*Thursday, May 25, 2017 11:55 AM (25 minutes)*

**Presenter:** HOMOLA, Piotr (Institute of Nuclear Physics PAS)

Contribution ID: **81**

Type: **not specified**

## **Gamma-ray astronomy with low density (gas) detectors in the MeV-GeV energy range**

*Thursday, May 25, 2017 11:35 AM (20 minutes)*

**Presenter:** BERNARD, Denis Robert Leon (Centre National de la Recherche Scientifique (FR))

Contribution ID: **82**

Type: **not specified**

**TBD**

Contribution ID: **83**

Type: **not specified**

## **Photon+V final states in CMS (addressing QGCs/TGCs)**

### **Summary**

**Presenter:** KUNKLE, Joshua Milo (University of Maryland (US))

Contribution ID: **84**

Type: **not specified**

## **CMS latest results on Higgs(gg)**

*Friday, May 26, 2017 2:00 PM (25 minutes)*

**Presenter:** BAKHSHIANSOHI, Hamed (CP3, UCL)

Contribution ID: 85

Type: **not specified**

## **ATLAS latest results on Higgs(gg)**

*Friday, May 26, 2017 2:25 PM (25 minutes)*

**Presenter:** WANG, Jin (The University of Sydney)

Contribution ID: **86**

Type: **not specified**

## **Higgs boson production in e-gamma collider**

*Monday, May 22, 2017 12:10 PM (25 minutes)*

**Presenter:** SASAKI, Ken

Contribution ID: 87

Type: **not specified**

## **Latest developments in parton-to-photon fragmentation functions**

*Monday, May 22, 2017 5:20 PM (25 minutes)*

**Presenter:** KAUFMANN, Tom (Tübingen University)



Contribution ID: **88**

Type: **not specified**

## **Prospects for gamma-gamma,p measurements with forward proton taggers in ATLAS**

*Tuesday, May 23, 2017 11:35 AM (25 minutes)*

**Presenter:** TRZEBINSKI, Maciej (Polish Academy of Sciences (PL))

Contribution ID: 89

Type: **not specified**

## **Prospects for gamma-gamma,p measurements with forward proton taggers in CMS/TOTEM**

*Tuesday, May 23, 2017 12:00 PM (25 minutes)*

**Presenter:** HOLLAR, Jonathan Jason (LIP Laboratorio de Instrumentacao e Fisica Experimental de Part)

Contribution ID: 90

Type: **not specified**

## **Bound-free pair production in heavy-ion collisions at LHC and beyond**

*Tuesday, May 23, 2017 5:25 PM (25 minutes)*

**Presenter:** Dr JOWETT, John (CERN)

Contribution ID: **91**

Type: **not specified**

## **Nuclear glue via exclusive and inclusive photoproduction in heavy-ion collisions**

*Wednesday, May 24, 2017 5:25 PM (25 minutes)*

**Presenter:** STRIKMAN, Mark (Pennsylvania State University (US))

Contribution ID: 92

Type: **not specified**

## **Estimating gluon saturation in dijet photoproduction in UPC**

*Wednesday, May 24, 2017 5:50 PM (25 minutes)*

**Presenter:** KOTKO, Piotr (Penn State University)

Contribution ID: 93

Type: **not specified**

## **Exclusive QQbar photoproduction and low-x gluons**

*Wednesday, May 24, 2017 11:45 AM (25 minutes)*

**Presenter:** STASTO, Anna (Penn State)

Contribution ID: 94

Type: **not specified**

## **Review of electroweak (photon) corrections to high-mass (DY, W, ttbar...) cross sections in pp collisions**

*Wednesday, May 24, 2017 12:35 PM (25 minutes)*

**Presenter:** PAGANI, Davide (TUM - Garching bei München)

Contribution ID: 95

Type: **not specified**

## **Photon+V final states in ATLAS (addressing QGCs/TGCs)**

*Friday, May 26, 2017 11:35 AM (25 minutes)*

**Presenter:** KRASNOPEVTSEV, Dimitrii (National Research Nuclear University MEPhI (RU))



Contribution ID: 96

Type: **not specified**

## New physics in H(gg)

*Friday, May 26, 2017 2:50 PM (25 minutes)*

### Summary

**Primary author:** TROTT, Michael Robert (University of Copenhagen (DK))

**Presenter:** TROTT, Michael Robert (University of Copenhagen (DK))

Contribution ID: 97

Type: **not specified**

## **Probing Higgs boson couplings in H+gamma production at the LHC**

*Friday, May 26, 2017 3:15 PM (25 minutes)*

**Presenter:** KHATIBI, Sara (Institute for Research in Fundamental Sciences (IR))

Contribution ID: **98**

Type: **not specified**

## **BSM searches with photons in CMS**

*Friday, May 26, 2017 4:05 PM (25 minutes)*

**Presenter:** SOFFI, Livia (Cornell University (US))

Contribution ID: 99

Type: **not specified**

## **BSM searches with photons in ATLAS**

*Friday, May 26, 2017 4:30 PM (25 minutes)*

**Presenter:** ADELMAN, Jahred (Northern Illinois University)

Contribution ID: **100**

Type: **not specified**

## **Constraint on Born-Infeld Theory from Light-by-Light Scattering at the LHC**

*Tuesday, May 23, 2017 3:15 PM (25 minutes)*

**Presenter:** ELLIS, Jonathan R. (University of London (GB))

Contribution ID: **101**

Type: **not specified**

## **PHOTON-2017 Closing**

*Friday, May 26, 2017 4:55 PM (10 minutes)*

**Primary author:** D'ENTERRIA, David (CERN)

**Presenters:** DE ROECK, Albert (CERN); D'ENTERRIA, David (CERN); MANGANO, Michelangelo (CERN)

Contribution ID: **102**

Type: **not specified**

## **A moment for reflection**

*Friday, May 26, 2017 10:40 AM (5 minutes)*