

**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, 23 May 2017 09:00 (30 minutes)

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

Contribution ID: 2

Type: **not specified**

Exclusive photoproduction at HERA (Summary H1/ZEUS)

Wednesday, 24 May 2017 10:55 (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, 23 May 2017 14:25 (25 minutes)

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

Contribution ID: 5

Type: **not specified**

Photoproduction prospects at a fixed-target at LHC

Wednesday, 24 May 2017 16:35 (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, 22 May 2017 14:25 (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, 22 May 2017 10:55 (25 minutes)

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

Contribution ID: 8

Type: **not specified**

Photon regeneration experiments

Monday, 22 May 2017 14:50 (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, 24 May 2017 09:00 (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, 24 May 2017 12:10 (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, 23 May 2017 14:00 (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, 24 May 2017 17:00 (25 minutes)

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

Contribution ID: 23

Type: **not specified**

Photon-p,A collisions CMS

Wednesday, 24 May 2017 09:50 (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, 23 May 2017 10:20 (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, 22 May 2017 09:35 (25 minutes)

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

Contribution ID: 29

Type: **not specified**

Systematics of photon-photon hadronic cross-sections

Tuesday, 23 May 2017 16:35 (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, 22 May 2017 11:20 (25 minutes)

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

Contribution ID: **31**

Type: **not specified**

Workshop introduction

Monday, 22 May 2017 09:00 (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, 23 May 2017 16:10 (25 minutes)

Summary

Presenter: LOU, Tim

Contribution ID: 33

Type: **not specified**

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

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

Presenter: CHOU, Weiren (Fermilab)

Contribution ID: 34

Type: **not specified**

Two-photon & ISR physics results at BaBar

Monday, 22 May 2017 14:00 (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, 24 May 2017 16:10 (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, 23 May 2017 09:55 (25 minutes)

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

Contribution ID: 43

Type: **not specified**

Photon-photon collisions in ATLAS

Tuesday, 23 May 2017 09:30 (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, 22 May 2017 12:35 (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, 22 May 2017 15:40 (25 minutes)

Presenter: MASJUAN QUERALT, Pere

Contribution ID: 47

Type: **not specified**

Status of the proton radius puzzle

Monday, 22 May 2017 16:30 (25 minutes)

Presenter: PAZ, Gil (Wayne State University)

Contribution ID: 48

Type: **not specified**

Ultrapерipheral collisions in STAR

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

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

Contribution ID: 49

Type: **not specified**

xFitter photon PDF

Wednesday, 24 May 2017 14:00 (25 minutes)

Presenter: BERTONE, Valerio (NIKHEF)

Contribution ID: 50

Type: **not specified**

New ideas on forward-tagging of gamma-gamma processes

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

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

Contribution ID: 51

Type: **not specified**

Photoproduction at JLab

Wednesday, 24 May 2017 15:15 (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, 24 May 2017 09:25 (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, 23 May 2017 14:50 (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, 24 May 2017 10:05 (25 minutes)

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

Contribution ID: 57

Type: **not specified**

DVCS and GPDs

Wednesday, 24 May 2017 14:25 (25 minutes)

Presenter: GUIDAL, Michel (CNRS)

Contribution ID: 58

Type: **not specified**

Photoproduction at COMPASS

Wednesday, 24 May 2017 14:50 (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, 22 May 2017 09:10 (25 minutes)

Presenter: SASAKI, Ken

Contribution ID: **60**

Type: **not specified**

F2gamma at ILC/FCC-ee

Monday, 22 May 2017 11:45 (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, 22 May 2017 15:15 (25 minutes)

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

Contribution ID: **62**

Type: **not specified**

Prompt photon production in POWHEG

Monday, 22 May 2017 16:55 (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, 23 May 2017 17:00 (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, 26 May 2017 12:00 (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, 24 May 2017 11:20 (25 minutes)

Presenter: SCHENKE, Bjoern (Brookhaven National Lab)

Contribution ID: **68**

Type: **not specified**

Review of Extragalactic High-Energy Gamma-Ray Astronomy

Thursday, 25 May 2017 09:00 (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, 25 May 2017 09:30 (25 minutes)

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

Contribution ID: 70

Type: **not specified**

Photoproduction and CR showers

Thursday, 25 May 2017 09:55 (25 minutes)

Presenter: PANCHERI, Giulia (INFN Frascati)

Contribution ID: 71

Type: **not specified**

Isolated photons at NNLO

Friday, 26 May 2017 09:00 (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, 26 May 2017 09:25 (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, 26 May 2017 09:50 (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, 26 May 2017 10:15 (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, 26 May 2017 11:10 (25 minutes)

Presenter: SCHWINN, Christian (RWTH Aachen University)

Contribution ID: 77

Type: **not specified**

LHCb rare b,c radiative decays

Friday, 26 May 2017 12:25 (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, 25 May 2017 10:20 (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, 25 May 2017 11:15 (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, 25 May 2017 11:55 (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, 25 May 2017 11:35 (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, 26 May 2017 14:00 (25 minutes)

Presenter: BAKHSHIANSOHI, Hamed (CP3, UCL)

Contribution ID: 85

Type: **not specified**

ATLAS latest results on Higgs(gg)

Friday, 26 May 2017 14:25 (25 minutes)

Presenter: WANG, Jin (The University of Sydney)

Contribution ID: **86**

Type: **not specified**

Higgs boson production in e-gamma collider

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

Presenter: SASAKI, Ken

Contribution ID: 87

Type: **not specified**

Latest developments in parton-to-photon fragmentation functions

Monday, 22 May 2017 17:20 (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, 23 May 2017 11:35 (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, 23 May 2017 12:00 (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, 23 May 2017 17:25 (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, 24 May 2017 17:25 (25 minutes)

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

Contribution ID: 92

Type: **not specified**

Estimating gluon saturation in dijet photoproduction in UPC

Wednesday, 24 May 2017 17:50 (25 minutes)

Presenter: KOTKO, Piotr (Penn State University)

Contribution ID: 93

Type: **not specified**

Exclusive $Q\bar{Q}$ photoproduction and low- x gluons

Wednesday, 24 May 2017 11:45 (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, 24 May 2017 12:35 (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, 26 May 2017 11:35 (25 minutes)

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

Contribution ID: 96

Type: **not specified**

New physics in H(gg)

Friday, 26 May 2017 14:50 (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, 26 May 2017 15:15 (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, 26 May 2017 16:05 (25 minutes)

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

Contribution ID: **99**

Type: **not specified**

BSM searches with photons in ATLAS

Friday, 26 May 2017 16:30 (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, 23 May 2017 15:15 (25 minutes)

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

Contribution ID: **101**

Type: **not specified**

PHOTON-2017 Closing

Friday, 26 May 2017 16:55 (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, 26 May 2017 10:40 (5 minutes)