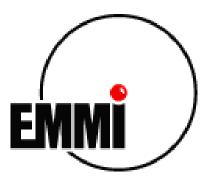
New Vistas in Photon Physics in Heavy-Ion Collisions



Report of Contributions

Contribution ID: 2 Type: not specified

WELCOME

Tuesday, 20 September 2022 09:00 (15 minutes)

Presenters: Prof. EWERZ, Carlo (Scientific Coordinator of EMMI); Prof. LESIAK, Tadeusz (Institute of Nuclear Physics PAN); Prof. SZAFRAN, Bartłomiej (AGH University od Science and Technology)

Session Classification: Day-2

Contribution ID: 3 Type: not specified

CMS results in photon physics

Tuesday, 20 September 2022 09:15 (40 minutes)

30'+10'(discussion)

Presenter: Dr KRINTIRAS, Georgios (The University of Kansas (US))

Session Classification: Day-2

Contribution ID: 4 Type: **not specified**

Recent results from photoproduction in ALICE

Tuesday, 20 September 2022 09:55 (40 minutes)

30'+10'(discussion)

Presenter: Prof. CONTRERAS NUNO, Jesus Guillermo (Czech Technical University in Prague

(CZ))

Session Classification: Day-2

Contribution ID: 5 Type: **not specified**

Centrality dependent dilepton production and the photon Wigner distribution

Tuesday, 20 September 2022 11:05 (30 minutes)

20'+10'(discussion)

Presenter: SCHAEFER, Wolfgang

Session Classification: Day-2

Contribution ID: 6 Type: not specified

The pomeron and photon in ultra-peripheral collisions

Tuesday, 20 September 2022 11:35 (30 minutes)

20'+10'(discussion)

Presenter: JENKOVSZKY, Laszlo (National Academy of Sciences of Ukraine)

Session Classification: Day-2

Contribution ID: 7 Type: **not specified**

Alignment of pixel sensors in ATLAS Forward Proton detectors

Tuesday, 20 September 2022 12:05 (25 minutes)

15'+10'(discussion)

Presenter: ÖZTÜRK, Ferhat (IFJ PAN Cracow (PL))

Session Classification: Day-2

Contribution ID: 8 Type: **not specified**

Hadron physics with polarized photon beam at LEPS2

Tuesday, 20 September 2022 13:30 (40 minutes)

30'+10'(discussion)

Presenter: RYU, Sun-Young (Osaka University)

Session Classification: Day-2

Contribution ID: 9 Type: **not specified**

Measurments of the medium radiation in heavy-ion collisions

Tuesday, 20 September 2022 14:10 (30 minutes)

20'+10'(discussion)

Presenter: DANISCH, Meike Charlotte (Ruprecht Karls Universitaet Heidelberg (DE))

Session Classification: Day-2

Contribution ID: 10 Type: not specified

Search for the chiral magnetic effect with isobar collisions

Tuesday, 20 September 2022 14:40 (30 minutes)

20'+10'(discussion) /zoom/

Presenter: TRIBEDY, Prithwish (Brookhaven National Lab)

Session Classification: Day-2

Contribution ID: 11 Type: not specified

Electromagnetic interaction of low transverse momentum e+/e- with heavy nuclei in ultra-peripheral collisions

Tuesday, 20 September 2022 15:40 (30 minutes)

20'+10'(discussion)

Presenter: MAZUREK, Katarzyna (IFJ PAN)

Session Classification: Day-2

Contribution ID: 12 Type: not specified

TRExFitter: A framework for binned template profile likelihood fits in ATLAS

Tuesday, 20 September 2022 16:10 (25 minutes)

TRExFitter: A framework for bin · · ·

15'+10'(discussion)

Presenter: MONDAL, Santu (Czech Technical University in Prague (CZ))

Session Classification: Day-2

Contribution ID: 13 Type: not specified

New ATLAS results on photon-pomeron interference in elastic pp scattering

Tuesday, 20 September 2022 16:35 (30 minutes)

20'+10'(discussion)

Presenter: STASZEWSKI, Rafał (IFJ PAN Cracow (PL))

Session Classification: Day-2

Contribution ID: 14 Type: not specified

POSTER SESSION

Session Classification: Day-22

Contribution ID: 15 Type: not specified

LHCb results in photon physics

Wednesday, 21 September 2022 09:00 (40 minutes)

30'+10'(discussion)

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

Session Classification: Day-3

Contribution ID: 16 Type: not specified

Exclusive photoproduction of excited vector mesons in the dipole picture

Wednesday, 21 September 2022 09:40 (30 minutes)

20'+10'(discussion)

Presenter: PASECHNIK, Roman (Lund university)

Session Classification: Day-3

Contribution ID: 17 Type: not specified

Prompt and non-prompt J/ ψ production in Pb-Pb collisions and projections towards UPC

Wednesday, 21 September 2022 10:10 (25 minutes)

15'+10'(discussion)

Presenter: Mr SHARMA, Himanshu (Polish Academy of Sciences (PL))

Session Classification: Day-3

Contribution ID: 18 Type: not specified

Photon physics at ELI-Beamlines user facility

Wednesday, 21 September 2022 11:05 (40 minutes)

30'+10'(discussion)

Presenter: GRITTANI, Gabriele Maria (ELI-Beamlines)

Session Classification: Day-3

Contribution ID: 19 Type: not specified

Exclusive lepton pair production at the Electron-Ion Collider - a powerful research tool

Wednesday, 21 September 2022 11:45 (30 minutes)

20'+10'(discussion)

Presenter: PRZYBYCIEN, Mariusz (AGH University of Science and Technology (PL))

Session Classification: Day-3

Contribution ID: 20 Type: not specified

Studying radiative charm decays with the LHCb experiment

Wednesday, 21 September 2022 12:15 (25 minutes)

15'+10'(discussion)

Presenter: CHERNOV, Aleksei (Polish Academy of Sciences (PL))

Session Classification: Day-3

Contribution ID: 21 Type: not specified

Overview of ATLAS results from ultraperipheral heavy-ion collisions

Wednesday, 21 September 2022 13:40 (40 minutes)

30'+10'(discussion)

Presenter: KREMER, Jakub (Johannes Gutenberg Universitaet Mainz (DE))

Session Classification: Day-3

Contribution ID: 22 Type: not specified

Anomalous magnetic and electric dipole moments of tau lepton and spin correlations in e+ e- -> tau+ tau-reaction

Wednesday, 21 September 2022 14:20 (30 minutes)

20'+10'(discussion)

Presenter: Prof. KORCHIN, Alexander (NSC Kharkiv Institute of Physics and Technology, Kharkiv,

Ukraine and Institute of Nuclear Physics PAN, Krakow, Poland)

Session Classification: Day-3

Contribution ID: 23 Type: not specified

Measuring tau g-2 using ATLAS Pb+Pb collisions

Wednesday, 21 September 2022 14:50 (30 minutes)

20'+10'(discussion)

Presenter: BERESFORD, Lydia Audrey (CERN)

Session Classification: Day-3

Contribution ID: 24 Type: not specified

Studying TMD gluon distributions in nuclei with photon initiated processes

Wednesday, 21 September 2022 15:50 (30 minutes)

20'+10'(discussion)

Presenter: KOTKO, Piotr (AGH UST)

Session Classification: Day-3

Contribution ID: 25 Type: not specified

Prospects for testing Low's theorem with ALICE 3

Wednesday, 21 September 2022 16:20 (30 minutes)

20'+10'(discussion)

Presenter: VOLKL, Martin Andreas (Ruprecht Karls Universitaet Heidelberg (DE))

Session Classification: Day-3

Contribution ID: 26 Type: not specified

Production of e^+e^- in proton-lead collision at LHC energy

Wednesday, 21 September 2022 16:50 (25 minutes)

15'+10'(discussion)

Presenter: LINEK, Barbara (University of Rzeszow)

Session Classification: Day-3

Contribution ID: 27 Type: not specified

Photon-photon interactions at the EIC and LHeC

Thursday, 22 September 2022 09:00 (30 minutes)

20'+10'(discussion) /zoom/

Presenter: PIOTRZKOWSKI, Krzysztof (AGH University of Science and Technology (PL))

Session Classification: Day-4

Contribution ID: 28 Type: not specified

LUXE: Investigating non-perturbative QED with Lasers

Thursday, 22 September 2022 09:30 (30 minutes)

20'+10'(discussion)

Presenter: SEIPT, Daniel (Lancaster University and The Cockcroft Institute)

Session Classification: Day-4

Contribution ID: 29 Type: not specified

Experimental Prospects at LUXE: a new non-perturbative QED experiment colliding laser pulses and the EU.XFEL

Thursday, 22 September 2022 10:00 (30 minutes)

Presenter: HALLFORD, John A

Session Classification: Day-4

Contribution ID: 30 Type: not specified

Thermal Dileptons at very Low Mass and the Electric Conductivity of QCD Matter

Thursday, 22 September 2022 11:00 (30 minutes)

20'+10'(discussion)

Presenter: RAPP, Ralf

Session Classification: Day-4

Contribution ID: 31 Type: not specified

Discoveries with polarized photons at STAR

Thursday, 22 September 2022 11:30 (40 minutes)

30'+10'(discussion)

Presenter: Dr BRANDENBURG, James (Brookhaven National Laboratory)

Session Classification: Day-4

Contribution ID: 32 Type: not specified

Photons in heavy ion collisions: looking very forward

Thursday, 22 September 2022 12:10 (30 minutes)

20'+10'(discussion) /zoom/

Presenter: OPPEDISANO, Chiara (Universita e INFN Torino (IT))

Session Classification: Day-4

Contribution ID: 33 Type: not specified

Exclusive diffractive production of photons in proton-proton collisions at the LHC

Thursday, 22 September 2022 13:40 (30 minutes)

20'+10'(discussion)

Presenter: LEBIEDOWICZ, Piotr

Session Classification: Day-4

Contribution ID: 34 Type: not specified

Recent ATLAS results on exclusive dielectron and dimuon production in Pb+Pb UPC collisions

Thursday, 22 September 2022 14:10 (30 minutes)

20'+10'(discussion)

Presenter: OGRODNIK, Agnieszka Ewa (AGH University of Science and Technology (PL))

Session Classification: Day-4

Contribution ID: 35 Type: not specified

Electromagnetic probes in ALICE

Thursday, 22 September 2022 14:40 (30 minutes)

20'+10'(discussion)

Presenter: SAS, Mike (Yale University (US))

Session Classification: Day-4

Contribution ID: 36 Type: not specified

Centrality dependent dilepton production and the photon Wigner distribution

20'+10'(discussion)

Presenter: SCHAEFER, Wolfgang **Session Classification:** Day-22

Contribution ID: 37 Type: not specified

The physics of strong electromagnetic fields

Monday, 19 September 2022 14:00 (1 hour)

Presenter: KARBSTEIN, Felix (Helmholtz Institute and GSI)

Session Classification: Day-1 (Student day)

Contribution ID: 38 Type: not specified

Heavy-ion collisions - from initial to final state

Monday, 19 September 2022 09:00 (1 hour)

Presenter: WIEDEMANN, Urs (CERN)

Session Classification: Day-1 (Student day)

Contribution ID: 39 Type: not specified

Electromagnetic radiation from the Quark-Gluon Plasma

Monday, 19 September 2022 10:30 (1 hour)

Presenter: RAPP, Ralf

Session Classification: Day-1 (Student day)

Contribution ID: 40 Type: not specified

Electromagnetic effects on charged particles

Monday, 19 September 2022 11:30 (1 hour)

Presenter: RYBICKI, Andrzej (Polish Academy of Sciences (PL))

Session Classification: Day-1 (Student day)

Contribution ID: 41 Type: not specified

Dilepton physics opportunities at the LHC

Monday, 19 September 2022 15:00 (1 hour)

Presenter: BAILHACHE, Raphaelle (Goethe University Frankfurt (DE))

Session Classification: Day-1 (Student day)

Contribution ID: 42 Type: not specified

Generators for photon physics

Monday, 19 September 2022 16:30 (1 hour)

Presenter: Dr HARLAND-LANG, Lucian (University of Oxford)

Session Classification: Day-1 (Student day)