

**Forward Physics WG:
diffraction and heavy ions**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Monday, 26 September 2016 09:30 (10 minutes)

Presenter: ROYON, Christophe (The University of Kansas (US))

Contribution ID: 2

Type: **not specified**

Forward physics and diffraction results of the ATLAS experiment

Monday, 26 September 2016 09:40 (35 minutes)

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

Contribution ID: 3

Type: **not specified**

Estimation of initial energy density in pp collisions at 7 and 8 TeV

Monday, 26 September 2016 10:15 (35 minutes)

Presenter: CSORGO, Tamas (Hungarian Academy of Sciences (HU))

Contribution ID: 4

Type: **not specified**

Diffraction Bremsstrahlung Measurement at Large beta* LHC

Monday, 26 September 2016 11:20 (35 minutes)

Presenter: CHWASTOWSKI, Janusz (Polish Academy of Sciences (PL))

Contribution ID: 5

Type: **not specified**

QCD mini-jets contribution to the inelastic cross-section at LHC and beyond

Monday, 26 September 2016 14:35 (35 minutes)

Presenter: PANCHERI, giulia (INFN)

Contribution ID: 6

Type: **not specified**

Physics program of the ALFA detector

Monday, 26 September 2016 11:55 (35 minutes)

Presenter: GRAFSTROM, Per (Universita e INFN, Bologna (IT))

Contribution ID: 7

Type: **not specified**

Recent and planned measurements from TOTEM

Monday, 26 September 2016 14:00 (35 minutes)

Presenter: OSTERBERG, Kenneth (University of Helsinki)

Contribution ID: 8

Type: **not specified**

Model-independent analysis of $d\sigma/dt$ at LHC

Monday, 26 September 2016 15:40 (35 minutes)

Presenter: CSORGO, Tamas (Hungarian Academy of Sciences (HU))

Contribution ID: 9

Type: **not specified**

Discussion session: soft diffraction, total cross section, differences between alfa and totem...

Monday, 26 September 2016 16:15 (1h 15m)

Presenters: OSTERBERG, Kenneth (University of Helsinki); GRAFSTROM, Per (Universita e INFN, Bologna (IT))

Contribution ID: **10**

Type: **not specified**

CT-PPS data taking and physics program

Tuesday, 27 September 2016 09:30 (35 minutes)

Presenter: KASPAR, Jan (Universita di Pisa & INFN (IT))

Contribution ID: 11

Type: **not specified**

Diffractive processes within kt -factorization approach

Tuesday, 27 September 2016 10:05 (35 minutes)

Presenter: LUSZCZAK, Marta (University of Rzeszow)

Contribution ID: 12

Type: **not specified**

Measurement of the Pomeron structure

Tuesday, 27 September 2016 11:10 (20 minutes)

Presenter: ROYON, Christophe (The University of Kansas (US))

Contribution ID: 13

Type: **not specified**

Towards a theory for the nonperturbative Pomeron

Thursday, 29 September 2016 11:40 (35 minutes)

Presenter: BARTELS, Jochen

Contribution ID: 14

Type: **not specified**

Predictions for single-diffractive Drell-Yan production at the LHC at 13 TeV

Tuesday, 27 September 2016 12:05 (35 minutes)

Presenter: CECCOPIERI, Federico Alberto (Universita & INFN, Milano-Bicocca (IT))

Contribution ID: 15

Type: **not specified**

Anomalous coupling studies: a review

Wednesday, 28 September 2016 11:10 (35 minutes)

Presenter: ROYON, Christophe (The University of Kansas (US))

Contribution ID: **16**

Type: **not specified**

Single diffraction in the dipole picture: an outlook

Tuesday, 27 September 2016 14:00 (35 minutes)

Presenter: PASECHNIK, Roman (Lund University)

Contribution ID: 17

Type: **not specified**

Different scenarios for double charm production at the LHC

Tuesday, 27 September 2016 14:35 (35 minutes)

Presenter: MACIULA, Rafal (Institute of Nuclear Physics PAN)

Contribution ID: **18**

Type: **not specified**

Jet gap jets in diffraction

Tuesday, 27 September 2016 15:40 (15 minutes)

Presenter: BALDENEGRO BARRERA, Cristian (The University of Kansas (US))

Contribution ID: **19**

Type: **not specified**

CMS results on jet gap jets, forward jets

Tuesday, 27 September 2016 15:55 (35 minutes)

Presenters: ROYON, Christophe (The University of Kansas (US)); FORTHOMME, Laurent (The University of Kansas (US))

Contribution ID: **20**

Type: **not specified**

CT-PPS tracking

Tuesday, 27 September 2016 16:30 (30 minutes)

Presenter: RAVERA, Fabio (Universita e INFN Torino (IT))

Contribution ID: 21

Type: **not specified**

Discussion: hard diffraction, jet gap jets, roman pot alignment and calibration

Tuesday, 27 September 2016 17:00 (45 minutes)

Presenters: KASPAR, Jan (Universita di Pisa & INFN (IT)); PRASZALOWICZ, Michal (Jagiellonian University, Krakow)

Contribution ID: 22

Type: **not specified**

Central Exclusive Production of J/psi and Psi(2S) mesons at 13 TeV

Wednesday, 28 September 2016 09:30 (35 minutes)

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

Contribution ID: 23

Type: **not specified**

Exclusive event production in CMS

Wednesday, 28 September 2016 10:05 (35 minutes)

Presenter: FORTHOMME, Laurent (The University of Kansas (US))

Contribution ID: 24

Type: **not specified**

Photon quartic anomalous coupling studies

Wednesday, 28 September 2016 11:45 (15 minutes)

Presenter: WILLIAMS, Justin Andrew (The University of Kansas (US))

Contribution ID: 25

Type: **not specified**

Anomalous couplings as a sign of dark matter

Presenter: BALDENEGRO BARRERA, Cristian (The University of Kansas (US))

Contribution ID: 26

Type: **not specified**

Discussion session: exclusive diffraction at low and high masses

Wednesday, 28 September 2016 12:00 (40 minutes)

Presenters: ROYON, Christophe (The University of Kansas (US)); MCNULTY, Ronan (University College Dublin (IE))

Contribution ID: 27

Type: **not specified**

Exclusive Processes at the LHC

Wednesday, 28 September 2016 14:00 (35 minutes)

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

Contribution ID: 28

Type: **not specified**

Recent results on central exclusive production of pions in pp collisions

Wednesday, 28 September 2016 14:35 (35 minutes)

Presenter: LEBIEDOWICZ, Piotr (Institute of Nuclear Physics PAN)

Contribution ID: 29

Type: **not specified**

Exclusive Meson Generator

Wednesday, 28 September 2016 15:40 (15 minutes)

Presenter: ERLAND, Paula

Contribution ID: **30**

Type: **not specified**

Overview of the forward measurements by the LHCf detector at LHC

Wednesday, 28 September 2016 15:55 (35 minutes)

Presenter: BONECHI, Lorenzo (Universita e INFN, Firenze (IT))

Contribution ID: 31

Type: **not specified**

**Discussion session: LHCf, soft exclusive diffraction
preparation of the report for the LHCC about
diffractive programs for the next years**

Wednesday, 28 September 2016 17:05 (45 minutes)

Presenter: ROYON, Christophe (The University of Kansas (US))

Contribution ID: 32

Type: **not specified**

BFKL phenomenology: from Mueller-Navelet jets to multi-jet production

Thursday, 29 September 2016 09:30 (35 minutes)

Presenter: CELIBERTO, Francesco Giovanni (Università della Calabria and INFN Cosenza (Italy))

Contribution ID: 33

Type: **not specified**

Improved theoretical description of Mueller-Navelet jets at LHC

Thursday, 29 September 2016 10:05 (35 minutes)

Presenter: COLFERAI, Dimitri (Unknown)

Contribution ID: 34

Type: **not specified**

Modified jet vertex for the consistent BFKL description of MN jets

Thursday, 29 September 2016 11:10 (15 minutes)

Presenter: DEGANUTTI, Federico

Contribution ID: 35

Type: **not specified**

Forward jets in pA as a sign of saturation

Thursday, 29 September 2016 11:25 (15 minutes)

Presenter: LINDSEY, Cole Leon (The University of Kansas (US))

Contribution ID: **36**

Type: **not specified**

Gluon Saturation and Geometrical Scaling

Tuesday, 27 September 2016 11:30 (35 minutes)

Presenter: PRASZALOWICZ, Michal (Jagiellonian University, Krakow)

Contribution ID: 37

Type: **not specified**

Discussion session: bfl, saturation

Thursday, 29 September 2016 12:15 (25 minutes)

Presenter: BARTELS, Jochen

Contribution ID: **38**

Type: **not specified**

TOTEM and CT-PPS installation and status

Thursday, 29 September 2016 14:00 (35 minutes)

Presenter: BAECHLER, Joachim (CERN)

Contribution ID: **39**

Type: **not specified**

Status of the AFP detector

Thursday, 29 September 2016 14:35 (35 minutes)

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

Contribution ID: 40

Type: **not specified**

Diamond timing detector for the TOTEM experiment

Thursday, 29 September 2016 15:40 (35 minutes)

Presenter: LUCSANYI, David (Hungarian Academy of Sciences (HU))

Contribution ID: 41

Type: **not specified**

Timing detectors electronics

Thursday, 29 September 2016 16:15 (35 minutes)

Presenter: AL GHOUL, Hussein (The University of Kansas (US))

Contribution ID: 42

Type: **not specified**

Discussion session: hardware, installation

Thursday, 29 September 2016 16:50 (40 minutes)

Presenters: AL GHOUL, Hussein (The University of Kansas (US)); TRZEBINSKI, Maciej Marek (Polish Academy of Sciences (PL))

Contribution ID: 43

Type: **not specified**

Ultra-forward particle production from CGC+Lund fragmentation

Friday, 30 September 2016 09:30 (35 minutes)

Presenter: GUERRERO RODRÍGUEZ, Pablo (UGR)

Contribution ID: 44

Type: **not specified**

Ultra-peripheral collision measurements from the ALICE experiment

Friday, 30 September 2016 10:05 (35 minutes)

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

Contribution ID: 45

Type: **not specified**

Collinear resummations in non-linear QCD evolution

Friday, 30 September 2016 11:10 (35 minutes)

Presenter: TRIANTAFYLLOPOULOS, DIONYSIS (ECT*)

Contribution ID: 46

Type: **not specified**

Initial state correlations

Friday, 30 September 2016 11:45 (35 minutes)

Presenter: ALTINOLUK, Tolga

Contribution ID: 47

Type: **not specified**

Discussion and final remarks

Friday, 30 September 2016 12:20 (40 minutes)

Presenter: ALTINOLUK, Tolga

Contribution ID: 48

Type: **not specified**

Forward direct photons: physics motivation and the status of R&D for FoCal in ALICE

Wednesday, 28 September 2016 16:30 (35 minutes)

Presenter: PEITZMANN, Thomas (Nikhef National institute for subatomic physics (NL))