

LHC Forward Physics meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Thursday, March 4, 2021 2:00 PM (10 minutes)

Presenters: ROYON, Christophe (The University of Kansas (US)); NEWMAN, Paul Richard (University of Birmingham (GB))

Contribution ID: 2

Type: **not specified**

The CMS Precision Proton Spectrometer: performace and results in Run 2

Thursday, March 4, 2021 2:10 PM (20 minutes)

Presenter: FIGUEIREDO, Diego (Universidade do Estado do Rio de Janeiro (BR))

Contribution ID: 3

Type: **not specified**

Overview of ATLAS forward proton detectors for LHC Run 3 and plans for the HL-LHC

Thursday, March 4, 2021 2:30 PM (20 minutes)

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

Contribution ID: 4

Type: **not specified**

The ATLAS Forward Proton Time-of-Flight detector: use and projected performance for LHC Run 3

Thursday, March 4, 2021 3:10 PM (20 minutes)

Presenter: KOMAREK, Tomas (Palacky University (CZ))

Contribution ID: 5

Type: **not specified**

The ATLAS Forward Proton Real-Time Time-of-Flight Trigger and Trigger Decoder for LHC Run 3

Thursday, March 4, 2021 3:30 PM (20 minutes)

Presenter: ZICH, Jan (University of West Bohemia (CZ))

Contribution ID: 6

Type: **not specified**

The FACET project

Friday, March 5, 2021 4:35 PM (20 minutes)

Presenter: ALBROW, Michael (Fermi National Accelerator Lab. (US))

Contribution ID: 7

Type: **not specified**

Relative luminosity determination using ATLAS Forward Proton detectors

Thursday, March 4, 2021 5:25 PM (20 minutes)

Presenter: ESPOSITO, Bellisario (INFN e Laboratori Nazionali di Frascati (IT))

Contribution ID: 8

Type: **not specified**

A new approach to modelling elastic and inelastic photon-initiated production at the LHC: SuperChic 4

Friday, March 5, 2021 2:00 PM (20 minutes)

Presenters: HARLAND-LANG, Lucian (Durham University); Dr HARLAND-LANG, Lucian (University of Oxford)

Contribution ID: 9

Type: **not specified**

Phenomenological aspects of hadronic structure at small- x

Friday, March 5, 2021 2:20 PM (20 minutes)

Presenters: CELIBERTO, Francesco Giovanni (Università della Calabria and INFN Cosenza (Italy)); Dr CELIBERTO, Francesco Giovanni (ECT*/FBK Trento & INFN-TIFPA)

Contribution ID: **10**

Type: **not specified**

Light-by-light scattering from SLAC to the LHC and exotic searches

Friday, March 5, 2021 2:40 PM (20 minutes)

Presenter: SCHOEFFEL, Laurent Olivier (Université Paris-Saclay (FR))

Contribution ID: 11

Type: **not specified**

Exclusive WW production in hadronic and semi-leptonic channels at the LHC

Thursday, March 4, 2021 4:45 PM (20 minutes)

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

Contribution ID: 12

Type: **not specified**

Measurements of events with jet-gap-jet topology by CMS and TOTEM

Friday, March 5, 2021 3:55 PM (20 minutes)

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

Contribution ID: 13

Type: **not specified**

Odderon discovery in D0/TOTEM

Friday, March 5, 2021 3:00 PM (20 minutes)

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

Contribution ID: 14

Type: **not specified**

Exclusive dilepton production in ATLAS

Thursday, March 4, 2021 5:05 PM (20 minutes)

Presenter: LIU, Jesse (University of Chicago)

Contribution ID: 15

Type: **not specified**

Proton spectra in full kinematic range of x_F and rapidity.

Friday, March 5, 2021 4:55 PM (20 minutes)

Presenter: PISKUNOVA, Olga (Russian Academy of Sciences (RU))

Contribution ID: 16

Type: **not specified**

Coulomb-nuclear interference in elastic scattering: eikonal calculation to all orders of alpha

Friday, March 5, 2021 3:35 PM (20 minutes)

Presenter: KASPAR, Jan (Czech Academy of Sciences (CZ))

Contribution ID: 17

Type: **not specified**

The CMS Precision Proton Spectrometer: alignment, optics calibration and proton reconstruction in Run 2

Thursday, March 4, 2021 2:50 PM (20 minutes)

Presenter: NEMES, Frigyes Janos (CERN (also at Wigner RCP Budapest, Hungary))

Contribution ID: **18**

Type: **not specified**

Near-beam proton tagging in CMS at the HL-LHC

Thursday, March 4, 2021 4:05 PM (20 minutes)

Presenter: DEILE, Mario (CERN)

Contribution ID: 19

Type: **not specified**

Jet-gap-jet phenomenology

Friday, March 5, 2021 4:15 PM (20 minutes)

Presenter: GONZALEZ, Pablo

Contribution ID: 20

Type: **not specified**

Physics perspectives of a CMS near-beam proton spectrometer at HL-LHC

Thursday, March 4, 2021 4:25 PM (20 minutes)

Presenter: PITT, Michael (CERN)

Contribution ID: **21**

Type: **not specified**

Discussion session

Friday, March 5, 2021 5:35 PM (30 minutes)

Contribution ID: 22

Type: **not specified**

Discussion session

Thursday, March 4, 2021 5:45 PM (30 minutes)

Contribution ID: 23

Type: **not specified**

Continuous acquisition, software synchronized, 600Msps TDC in AFP

Friday, March 5, 2021 5:15 PM (20 minutes)

Presenter: RADULESCU, Radu (Telluric Labs LLC)