

Joint workshop "GDR-QCD/QCD@short distances and STRONG2020/PARTONS/FTE@LHC/M



Report of Contributions

Contribution ID: 1

Type: **not specified**

Cosmic Ray Physics at Particle Accelerators

Monday, May 31, 2021 10:30 AM (30 minutes)

Presenter: WINKLER, Martin (KTH Royal Institute of Technology and Stockholm University)

Session Classification: Introduction

Contribution ID: 2

Type: **not specified**

Highlights from fixed target at the LHC: SMOG results

Monday, May 31, 2021 10:00 AM (30 minutes)

Presenter: AUDURIER, Benjamin (Centre national de la recherche scientifique)

Session Classification: Introduction

Contribution ID: 3

Type: **not specified**

Tracking in LHCb in high multiplicity events and LHCb Phase II

Tuesday, June 1, 2021 10:40 AM (30 minutes)

Presenter: GARCIA ROSALES, Felipe (LLR)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 4

Type: **not specified**

Impact studies of fixed-target system on FoCal in ALICE

Tuesday, June 1, 2021 11:10 AM (20 minutes)

Presenter: VAN HULSE, Charlotte (ijclab)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 5

Type: **not specified**

Machine learning PID in pHe for SMOG (tbc)

Presenter: MARIANI, Saverio

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 6

Type: **not specified**

Simulation of TPC performance for the ALICE fixed target program

Tuesday, June 1, 2021 11:30 AM (30 minutes)

Presenter: Dr HAQUE, Md Rihan (Warsaw University of Technology (PL))

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 7

Type: **not specified**

Status of the crystal based ALICE fixed target layout

Wednesday, June 2, 2021 2:30 PM (30 minutes)

Presenter: PATECKI, Marcin

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 8

Type: **not specified**

SMOG2

Wednesday, June 2, 2021 3:00 PM (30 minutes)

Presenter: DI NEZZA, Pasquale (INFN Frascati)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 9

Type: **not specified**

Solid target design for ALICE

Wednesday, June 2, 2021 3:30 PM (30 minutes)

Presenter: PRESSARD, Kevin (CNRS / IN2P3 / IJCLab)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: **10**

Type: **not specified**

LHCspin

Wednesday, June 2, 2021 4:50 PM (30 minutes)

Presenter: SANTIMARIA, Marco (INFN - LNF)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 11

Type: **not specified**

Heavy-flavour projections for pA collisions and flow decorrelation predictions for PbA collisions with ALICE-FT setup

Thursday, June 3, 2021 9:30 AM (30 minutes)

Presenter: TRZECIAK, Barbara

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 12

Type: **not specified**

Antiproton production with fixed target and search for superheavy particles in ALICE

Thursday, June 3, 2021 10:20 AM (30 minutes)

Presenter: KUREPIN, Alexey (Institute for Nuclear Research, Russian Academy of Sciences)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 13

Type: **not specified**

Study of cold nuclear matter with SMOG2

Thursday, June 3, 2021 10:00 AM (20 minutes)

Presenter: FRANZOSO, Edoardo

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 14

Type: **not specified**

Drell-Yan process at intermediate energies with High-Energy Factorization and new unintegrated PDFs: p_T spectra and angular distributions

Thursday, June 3, 2021 11:30 AM (30 minutes)

Presenters: NEFEDOV, Maxim; Prof. SALEEV, Vladimir (Samara University)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 15

Type: **not specified**

Identified particle measurement in fixed and collider modes at the LHC and comparison to nPDFs

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 16

Type: **not specified**

Implementation of fixed target experiments at the LHC: proposals and challenges

Friday, June 4, 2021 11:30 AM (30 minutes)

Presenters: FERRO-LUZZI, Massimiliano (CERN); REDAELLI, Stefano

Session Classification: Joint session GDR-QCD at short distance and FTE-LHC

Contribution ID: 17

Type: **not specified**

Introduction to NLOAccess (joint with the Café QCD from IJCLab QCD transverse group)

Thursday, June 3, 2021 2:00 PM (30 minutes)

Presenter: Dr FLORE, Carlo (IJCLab Orsay)

Session Classification: Joint session NLO Access and GDR QCD @ short distance : HEP tools in France

Contribution ID: **18**

Type: **not specified**

Intoduction to Mad-Graph

Thursday, June 3, 2021 2:40 PM (20 minutes)

Presenter: MATTELAER, Olivier

Session Classification: Joint session NLO Access and GDR QCD @ short distance : HEP tools in France

Contribution ID: **19**

Type: **not specified**

Introduction to Helac-Onia

Thursday, June 3, 2021 3:10 PM (20 minutes)

Presenter: SHAO, Hua-Sheng

Session Classification: Joint session NLO Access and GDR QCD @ short distance : HEP tools in France

Contribution ID: 20

Type: **not specified**

Hands-on session on MadGraph and Helac-Onia

Thursday, June 3, 2021 4:00 PM (2 hours)

Session Classification: Joint session NLO Access and GDR QCD @ short distance : HEP tools in France

Contribution ID: 21

Type: **not specified**

Recent results in the computation of EW and QCD corrections for LHC processes

Friday, June 4, 2021 9:00 AM (30 minutes)

Presenter: KALLWEIT, Stefan (Università degli Studi di Milano-Bicocca)

Session Classification: Joint session GDR-QCD at short distance and FTE-LHC

Contribution ID: 22

Type: **not specified**

Recent theoretical developments on resummation for collider phenomenology

Friday, June 4, 2021 9:30 AM (30 minutes)

Presenter: BANFI, Andrea (University of Sussex)

Session Classification: Joint session GDR-QCD at short distance and FTE-LHC

Contribution ID: 23

Type: **not specified**

QCD and hadronic final state (heavy quarks and flavours) from LHC and RHIC

Friday, June 4, 2021 10:00 AM (35 minutes)

Presenter: VAN HULSE, Charlotte (ijclab)

Session Classification: Joint session GDR-QCD at short distance and FTE-LHC

Contribution ID: 24

Type: **not specified**

Review of high pT experimental results (top, W, Z, Higgs) relevant for QCD

Friday, June 4, 2021 10:35 AM (35 minutes)

Presenter: ZAHREDDINE, Jad (l2it)

Session Classification: Joint session GDR-QCD at short distance and FTE-LHC

Contribution ID: 25

Type: **not specified**

Discussion on theoretical/experimental wishlist (GDR-QCD) and on fixed-target phenomenology (FTE@LHC)

Friday, June 4, 2021 12:00 PM (1 hour)

Session Classification: Joint session GDR-QCD at short distance and FTE-LHC

Contribution ID: 26

Type: **not specified**

MC event generators: recent developments

Friday, June 4, 2021 3:00 PM (30 minutes)

Presenter: NAPOLETANO, Davide (Università di Milano Bicocca)

Session Classification: GDR QCD: QCD at short distances

Contribution ID: 27

Type: **not specified**

the POWHEG-BOX event generator : recent developments

Friday, June 4, 2021 3:30 PM (20 minutes)

Presenter: RE, Emanuele (LAPTh Annecy)

Session Classification: GDR QCD: QCD at short distances

Contribution ID: 28

Type: **not specified**

GM-VFNS & Co

Friday, June 4, 2021 3:50 PM (20 minutes)

Presenter: SCHIENBEIN, Ingo (LPSC)

Session Classification: GDR QCD: QCD at short distances

Contribution ID: 29

Type: **not specified**

Introduction to FASTJET

Friday, June 4, 2021 4:40 PM (20 minutes)

Primary author: SOYEZ, Gregory (IPhT/CNRS/CEA Saclay)

Presenter: SOYEZ, Gregory (IPhT/CNRS/CEA Saclay)

Session Classification: GDR QCD: QCD at short distances

Contribution ID: **30**

Type: **not specified**

Round table : MC tools in France

Friday, June 4, 2021 5:00 PM (1 hour)

Session Classification: GDR QCD: QCD at short distances

Contribution ID: 31

Type: **not specified**

Light hadron production at the LHCb experiment

Thursday, June 3, 2021 10:50 AM (20 minutes)

Presenter: SELLAM., Sara (IGFAE)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 32

Type: **not specified**

Introduction to the session

Monday, May 31, 2021 2:00 PM (10 minutes)

Presenter: MOUTARDE, Hervé (Irfu, CEA)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 33

Type: **not specified**

Status of the GeParD code

Monday, May 31, 2021 2:10 PM (25 minutes)

Presenter: KUMERICKI, Kresimir (University of Zagreb)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 34

Type: **not specified**

Evolving GPD in x space: a new path through APFEL

Monday, May 31, 2021 2:35 PM (25 minutes)

Presenter: MEZRAG, Cédric (Irfu/DPhN)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 35

Type: **not specified**

DVCS off a pion target

Monday, May 31, 2021 3:00 PM (30 minutes)

Presenter: Mr MORGADO CHAVEZ, Jose Manuel (University of Huelva)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 36

Type: **not specified**

Round table discussion: Benchmarking GPD evolution codes

Monday, May 31, 2021 3:30 PM (1 hour)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 37

Type: **not specified**

Introduction to the session

Tuesday, June 1, 2021 2:00 PM (10 minutes)

Presenter: MOUTARDE, Hervé (Irfu, CEA)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 38

Type: **not specified**

A determination of the collinear PDFs of the pion with xFitter

Tuesday, June 1, 2021 2:10 PM (25 minutes)

Presenter: GLAZOV, Alexander (DESY)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 39

Type: **not specified**

The NangaParbat code for TMD phenomenology

Tuesday, June 1, 2021 2:35 PM (25 minutes)

Presenter: BERTONE, Valerio (IRFU, CEA, Université Paris-Saclay)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 40

Type: **not specified**

Pion fragmentation functions using single-inclusive annihilation and semi-inclusive data

Tuesday, June 1, 2021 3:00 PM (25 minutes)

Presenter: ABDUL KHALEK, Rabah (Nikhef)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 41

Type: **not specified**

The EpIC event generator for exclusive processes

Tuesday, June 1, 2021 3:25 PM (20 minutes)

Presenter: Dr TEZGIN, Kemal (Brookhaven National Laboratory)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 42

Type: **not specified**

Impact of a positron beam at JLab on an unbiased determination of DVCS Compton Form Factors

Tuesday, June 1, 2021 3:45 PM (20 minutes)

Presenter: Dr SZNAJDER, Pawel (NCBJ)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 43

Type: **not specified**

Determination of parton distribution functions from lattice QCD

Tuesday, June 1, 2021 4:05 PM (25 minutes)

Presenter: ZAFEIROPOULOS, Savvas (CPT Marseille, CNRS)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 44

Type: **not specified**

Round table: Improving parton distribution fits with lattice QCD calculations

Tuesday, June 1, 2021 4:30 PM (30 minutes)

Session Classification: STRONG-2020 3DPartons

Contribution ID: 45

Type: **not specified**

Generalized Partons Distributions: recent developments and perspectives

Monday, May 31, 2021 9:30 AM (30 minutes)

Presenter: MEZRAG, Cédric (Irfu/DPhN)

Session Classification: Introduction

Contribution ID: 46

Type: **not specified**

Crystal layout for EDM/MDM measurement (tbc)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 47

Type: **not specified**

Progress towards the charm baryon dipole moments with bent crystals

Thursday, June 3, 2021 12:00 PM (30 minutes)

Presenter: MERLI;MERLI, Andrea (Università degli Studi di Milano)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 48

Type: **not specified**

Introduction to the FTE@LHC sessions

Tuesday, June 1, 2021 10:30 AM (10 minutes)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 49

Type: **not specified**

Considerations for Double-Crystal setups at the LHC

Wednesday, June 2, 2021 2:00 PM (30 minutes)

Presenters: FOMIN, Alex; Dr FOMIN, Oleksiy (LAL, Paris-Sud University)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 50

Type: **not specified**

Goniometer for long bent crystal for charm baryon dipole moments experiment

Wednesday, June 2, 2021 4:20 PM (30 minutes)

Presenter: DE BENEDETTI, Federico

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 51

Type: **not specified**

Lambda_c polarisation with SMOG

Thursday, June 3, 2021 12:30 PM (20 minutes)

Presenter: NIEL, elisabeth (pHD)

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 52

Type: **not specified**

Welcome

Monday, May 31, 2021 9:25 AM (5 minutes)

Session Classification: Introduction

Contribution ID: 53

Type: **not specified**

(virtual) coffee break

Session Classification: FTE@LHC (Strong 2020)

Contribution ID: 54

Type: **not specified**

test

Presenter: DE BENEDETTI, Federico

Contribution ID: 55

Type: **not specified**

An heavy ion look on pp collisions @ LHC : signals for MPI processes in the charm sector

Monday, May 31, 2021 11:00 AM (1 hour)

Zoom room for the seminar : <https://ijclab.zoom.us/j/92766681755?pwd=YW9hK1JRS2d6TGFXcVhYWdJcSlpHQ9>

Presenter: PORTEBOEUF, Sarah (LPC)

Session Classification: Introduction

Contribution ID: 56

Type: **not specified**

NLOAccess IAB meeting (closed session)

Wednesday, June 2, 2021 11:00 AM (1 hour)

Contribution ID: 57

Type: **not specified**

NLOAccess progress report

Wednesday, June 2, 2021 9:30 AM (30 minutes)

Primary author: FLORE, Carlo (IJCLab Orsay)

Presenter: FLORE, Carlo (IJCLab Orsay)

Session Classification: NLOAccess (Strong 2020)

Contribution ID: 58

Type: **not specified**

Inclusion of pA collisions in MG5

Wednesday, June 2, 2021 10:15 AM (20 minutes)

Primary author: SAFRONOV, Anton

Presenter: SAFRONOV, Anton

Session Classification: NLOAccess (Strong 2020)