



# EPS-HEP2021 conference

## Monday 26 July 2021

### T06: QCD and Hadronic Physics: Part 1: Exclusive physics and diffraction (10:00-12:00)

-Conveners: Mateusz Dyndal; Ferenc Siklér

time	[id] title	presenter
10:00	[35] Measurement of Exclusive $\pi^+\pi^-$ and $\rho^0$ Meson Photoproduction at HERA	BOLZ, Arthur
10:15	[673] Central exclusive production of $\pi\pi$ , $KK$ and $pp$ pairs with forward proton measured in Roman Pot detectors in proton proton collisions at $\sqrt{s}=200$ GeV with the STAR detector.	ADAMCZYK, Leszek
10:30	[475] Production of dileptons via photon-photon fusion in proton-proton collisions with one forward proton measurement	LUSZCZAK, Marta
10:45	[151] Measurements of diffractive physics and soft QCD at ATLAS	Dr BERESFORD, Lydia
11:15	[10] Single-diffractive production of heavy mesons in $pp$ and $pA$ collisions	Dr SIDDIKOV, Marat
11:30	[582] Searching for the odderon in exclusive $pp \rightarrow pp \phi$ and $pp \rightarrow pp \phi$ reactions at the LHC	LEBIEDOWICZ, Piotr
11:45	[39] Comparison of $pp$ and $p\bar{p}$ differential elastic cross sections and observation of the exchange of a colorless $C$ -odd gluonic compound	ROYON, Christophe

### T06: QCD and Hadronic Physics: Part 2: Jets (14:15-16:20)

-Conveners: Mateusz Dyndal

time	[id] title	presenter
14:15	[148] Precision measurements of jet production at the ATLAS experiment	CAMPANELLI, mario
14:30	[273] Recent jet measurements in CMS	CONNOR, Patrick
14:45	[939] Groomed jet mass in lepton collisions at high precision	TROCSANYI, Zoltan
15:00	[614] Measurement of the primary Lund jet plane density in $pp$ collisions at $\sqrt{s} = \sqrt{13}$ TeV with ALICE	HAVENER, Laura
15:15	[275] Jet substructure measurements in CMS	CHATTERJEE, Suman
15:30	[618] Jet substructure measurements in proton-proton collisions with ALICE	KUCERA, Vit
15:45	[875] Measurement of 1-jettiness in deep-inelastic scattering at HERA	HESSLER, Johannes
16:00	[581] QCD jet production at a high energy muon collider	MA, Yang

### T06: QCD and Hadronic Physics: Part 3: PDFs (16:30-18:30)

-Conveners: laura Fabbietti

time	[id] title	presenter
16:30	[501] PDF analysis of Z boson polarisation data from LHC and constraints to Higgs boson production cross section by xFitter	FIASCHI, Juri
16:45	[580] Photon PDF and Impact from heavy flavors in the CT18 global analysis	XIE, Keping

17:00	[48] NNPDF4.0: The Structure of the Proton at 1% Precision	STEGEMAN, Roy
17:15	[153] Determination of proton parton distribution functions using ATLAS data	GWENLAN, Claire
17:30	[1012] Precision QCD in $pp$ collisions at the LHeC	GWENLAN, Claire
17:45	[794] Transverse momentum dependent splitting functions in the Parton Branching method	KEERSMAEKERS, Lissa
18:00	[37] Jet-based TMD measurements with H1 data	NACHMAN, Benjamin
18:15	[780] Proton 3D imaging via transverse-momentum-dependent gluon densities	CELIBERTO, Francesco Giovanni

# Tuesday 27 July 2021

## **T06: QCD and Hadronic Physics: Part 4: Quarkonia and heavy flavour (09:30-11:30)**

**-Conveners: Daniel Johnson**

time	[id] title	presenter
09:30	[546] Quarkonium production in pp, p-Pb, and peripheral Pb-Pb collisions with ALICE (12'+3')	PACHMAYER, Yvonne
09:45	[439] Studies of excited heavy flavor states at CMS (12'+3')	PETROV, Nikita
10:00	[967] Recent results in production of open-charm and charmonium states at LHCb (12'+3')	XU, Qingnian
10:15	[554] Charm cross section and fragmentation fractions in pp collisions with ALICE (12'+3')	DELLO STRITTO, Luigi
10:30	[671] Charmonium Decays at BESIII (12'+3')	SCODEGGIO, Marco
10:45	[808] Charmed Baryon results from Belle (12'+3')	LI, Yubo
11:00	[989] Observation of Lambda_b -antiLambda_b production asymmetry (12'+3')	DUFOUR, Laurent
11:15	[532] Bottomonium results and prospects at Belle II (12'+3')	ANGIONI, Gian Luca Pinna

## **T06: QCD and Hadronic Physics: Part 5: V + jets (16:00-17:20)**

**-Conveners: Mateusz Dyndal**

time	[id] title	presenter
16:00	[907] QCD physics measurements at the LHCb experiment	SESTINI, Lorenzo
16:15	[788] Application of parton showers obtained with the Parton Branching approach to Drell Yan + jets production	BERMUDEZ MARTINEZ, Armando
16:30	[267] Vector boson associated with jets in CMS	WANG, Qun
16:45	[150] Measurement of prompt photon production and W/Z boson production in association with jets at ATLAS	TORRES, Heberth
17:00	[387] Heavy flavored emissions in hybrid collinear/high energy factorization (12'+3')	FUCILLA, Michael

# Wednesday 28 July 2021

## T06: QCD and Hadronic Physics: Part 6: Soft physics (09:30-11:30)

-Conveners: **laura Fabbietti; Ferenc Siklér**

time	[id] title	presenter
09:30	[36] Measurement of charged particle multiplicity distributions in DIS at HERA and its implication to entanglement entropy of partons	TU, Zhoudunming
09:45	[570] Extending the ALICE strong-interaction studies to nuclei: measurement of proton-deuteron correlations in pp collisions at $\sqrt{s} = 13$ TeV	SINGH, Bhawani
10:00	[596] Production of light nuclei in small collision systems measured with ALICE	BALBINO, Alessandro
10:15	[637] Light flavor particle production across different systems and energies with ALICE	HABIB, Michael
10:30	[716] Particle production at midrapidity in correlation with the very forward energy in pp and p-Pb collisions with ALICE ZDC	OPPEDISANO, Chiara
10:45	[884] Charged hadron production at LHCb	BOENTE GARCÍA, Óscar
11:00	[890] LHCb Fixed-target results and prospects	MARIANI, Saverio
11:15	[9] $\chi_c$ and $\chi_b$ meson production in high multiplicity events	Dr SIDDIKOV, Marat

# Thursday 29 July 2021

## **T06: QCD and Hadronic Physics: Part 7: Exotica (09:30-11:30)**

**-Conveners: Daniel Johnson**

time	[id] title	presenter
09:30	[894] Recent LHCb results on exotic meson candidates (12'+3')	POLYAKOV, Ivan
09:45	[446] Light meson spectroscopy at BESIII (12'+3')	WU, Jinfei
10:00	[472] Production of fully heavy tetraquarks in proton-proton collisions (12'+3')	SZCZUREK, Antoni
10:15	[898] Recent LHCb results on pentaquark candidates (12'+3')	FU, Jinlin
10:30	[450] Study of $\phi(2170)$ at BESIII (12'+3')	LIU, Dong
10:45	[535] Studies of charmonium-like states at Belle II (12'+3')	DHAMIJA, Rashmi
11:00	[305] Study of $e+e-$ annihilation to hadrons with SND at VEPP-2000 (12'+3')	DRUZHININ, Vladimir
11:15	[442] Recent study about XYZ particles at BESIII (12'+3')	BLOMS, Johannes

## **T06: QCD and Hadronic Physics: Part 8: Low-energy phenomena (16:30-18:00)**

**-Conveners: Ferenc Siklér**

time	[id] title	presenter
16:30	[451] Recent result of nucleon time-like form factors at BESIII	Dr DESTEFANIS, Marco
16:45	[200] Simultaneous extraction of fragmentation functions of light charged hadrons with mass corrections	SOLEYMANINIA, Maryam
17:00	[552] Low-mass dielectron measurements with ALICE at the LHC	DEGENHARDT, Hermann
17:15	[520] Hadron physics at KLOE/KLOE-2, results and perspectives (12'+3')	BO, Cao
17:30	[892] Beauty-hadron spectroscopy at LHCb (12'+3')	MU, Hongjie
17:45	[276] Double parton scattering and exclusive hadron productions in CMS	PIETERS, Maxim

# Friday 30 July 2021

## T06: QCD and Hadronic Physics: Part 9: Precision calculations (09:30-11:30)

-Conveners: Zoltan Nagy

time	[id] title	presenter
09:30	[74] ITMD factorization and its applications	KUTAK, Krzysztof
09:45	[130] Renormalization of the flavor-singlet axial-vector current and its anomaly at $\mathcal{N}^3\text{LO}$ in QCD	CHEN, Long
10:00	[734] A pitfall in applying a non-anticommuting $\gamma_5$ in $q\bar{q}$ to $Z$ +Higgs amplitudes	AHMED, Taushif
10:15	[876] The Electroweak Hamiltonian in the Gradient Flow Formalism	Mr LANGE, Fabian
10:30	[646] Subleading colour effects and spin correlations in the PanScales showers	SCYBOZ, Ludovic
10:45	[921] Comparison of public codes for Drell-Yan processes at NNLO accuracy	TROCSANYI, Zoltan
11:00	[1000] All-plus helicity off-shell gauge invariant multigluon amplitudes at one loop	BLANCO, Etienne
11:15	[12] All loop causal representation of scattering amplitudes	TORRES BOBADILLA, William J.