



# ICHEP 2022

## Thursday, 7 July 2022

### Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (09:00 - 10:45)

-Conveners: Maria Ubiali; Gunar Schnell

time	[id] title	presenter
09:00	[267] Impact of jet-production data on the next-to-next-to-leading-order determination of HERAPDF2.0 parton distributions	COOPER-SARKAR, Amanda
09:15	[399] The NNPDF4.0 global analysis and related studies	STEGEMAN, Roy
09:30	[717] Determination of proton parton distribution functions using ATLAS data	ZHANG, Zhiqing
09:45	[901] Probing Parton Distribution Functions at LHCb	XU, Menglin
10:00	[942] Emergence of resummation scales in the evolution of the QCD strong coupling and PDFs	BOZZI, Giuseppe
10:15	[340] EKO and yadism: theory predictions for PDF fitting	CANDIDO, Alessandro
10:30	[1126] Parton structure at the LHeC and FCC-he	GWENLAN, Claire

### Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (11:15 - 13:00)

-Conveners: Marco Pappagallo; Alice Ohlson

time	[id] title	presenter
11:15	[1137] Pseudo- and quasi-PDFs in the BFKL approximation	CHIRILLI, Giovanni Antonio
11:30	[122] Neutral meson measurements in ALICE in pp collisions at $\sqrt{s} = 13$ TeV	KOENIG, Joshua Leon
11:45	[80] Constraining hadronization with prompt and non-prompt charm baryons in small collision systems with ALICE at the LHC	ZHU, Jianhui
12:00	[85] Probing hadronization with flavor correlations of leading particles in jets	CHIEN, Yang-Ting
12:15	[1468] Observation of simultaneous production of 3 J/psi mesons in pp collisions	MEJIA GUIASO, Jhovanny Andres
12:30	[900] Jet fragmentation and QCD measurements at LHCb	COOKE, Naomi

### Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (14:30 - 16:30)

-Conveners: Giovanni Abbiendi; Maria Ubiali

time	[id] title	presenter
14:30	[169] Vector boson associated with jets in CMS	GRAS, Philippe
14:50	[680] Measurements of W and Z boson production in association with heavy flavor at ATLAS	GIACOBBE, Benedetto
15:05	[1252] Linear Power Corrections in Collider Processes	LIMATOLA, Giovanni
15:20	[1296] Drell-Yan lepton-pair production: qT resummation at N3LL and fiducial cross section at N3LO	FERRERA, Giancarlo

15:35	[428] Determination of the strong-coupling constant from the Z-boson transverse-momentum distribution	CAMARDA, Stefano
15:50	[635] The strong coupling at the tau mass scale from a new vector isovector spectral function	BOITO, Diogo
16:05	[1031] QCD corrections to Wbb production at the LHC	HARTANTO, Heribertus Bayu

**Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (17:00 - 19:05)**

-Conveners: Alice Ohlson; Maria Ubiali

time	[id] title	presenter
17:00	[173] Inclusive jet measurements in CMS	CONNOR, Patrick
17:15	[166] QCD and SMEFT analysis of double-differential inclusive jet cross sections at 13 TeV (CMS)	LIPKA, Katerina
17:30	[754] Precision measurements of jet and photon production at the ATLAS experiment	ROLOFF, Jennifer
17:45	[1081] Probing the initial state with isolated photon production in small collision systems with ALICE	XU, ran
18:00	[127] Event Shape and Jet Substructure Measurements in high $Q^2$ Deep Inelastic Scattering at HERA	ZHANG, Zhiqing
18:20	[1038] First measurement of anti-kT jet spectra and jet substructure using the archived ALEPH e+e- data at 91.2 GeV	CHEN, Yi
18:35	[1160] Linear power corrections to e+e- shape variables in the three-jet region	OZCELIK, Melih Arslan
18:50	[1039] High-precision QCD physics at FCC-ee	GIULI, Francesco

# Friday, 8 July 2022

## Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (09:00 - 10:45)

-Conveners: Gunar Schnell; Giovanni Abbiendi

time	[id] title	presenter
09:00	[300] R value measurements at BESIII	WANG, Weiping
09:15	[366] Measurement of $e^+e^- \rightarrow \pi^+\pi^-\pi^0$ with ISR events at BABAR and calculation of its contribution to the $(g-2)_\mu$	ANULLI, Fabio
09:30	[606] Short and intermediate distance HVP contributions to muon $g-2$ : SM (lattice) prediction versus $e^+e^-$ annihilation data	Prof. FREZZOTTI, Roberto
09:45	[625] High precision calculations for the MUonE experiment	BUDASSI, Ettore
10:00	[403] Status of the MUonE experiment	PILATO, Riccardo Nunzio
10:15	[714] NLO and NNLO hadronic vacuum polarization contributions to the muon $g-2$ in the space-like region	LAPORTA, Stefano
10:30	[1090] The hadronic running of the electroweak couplings from lattice QCD	Dr CÈ, Marco

## Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (11:15 - 13:00)

-Conveners: Gunar Schnell; Marco Pappagallo

time	[id] title	presenter
11:15	[73] Universal scaling properties of proton-proton elastic scattering	ROYON, Christophe
11:35	[753] Forward proton measurements with ATLAS	STENZEL, Hasko
11:50	[456] Nucleon electromagnetic form factors at large momentum from Lattice QCD	SYRITSYN, Sergey
12:05	[488] Hadron physics results at KLOE-2	GAUZZI, Paolo
12:25	[1248] Hard exclusive $\pi^0$ muon production at COMPASS	PESKOVA, Marketa
12:40	[1313] AMBER: a new QCD facility at the CERN SPS M2 beam line	SEITZ, Bjoern

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-Conveners: Giovanni Abbiendi; Maria Ubiali

time	[id] title	presenter
14:30	[148] Spectral clustering for jet physics	CERRO, Giorgio
14:45	[1093] Lund and Cambridge multiplicity for precision physics	MEDVES, Rok
15:00	[1293] Quarks and gluons in the Lund plane	TAKACS, Adam
15:15	[360] Identification of b-jets using QCD-inspired observables	SFORZA, Federico
15:30	[1008] NLL accurate PanScales showers for hadron collisions	FERRARIO RAVASIO, Silvia
15:45	[1086] Explainable machine learning of parton shower mechanisms	LAI, Yue Shi PLOSKON, Mateusz
16:00	[1174] Dissecting the collinear structure of quark splitting at NNLL	EL-MENOUFI, Basem

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**-Conveners: Alice Ohlson; Giovanni Abbiendi**

time	[id] title	presenter
17:00	[1239] Adding quark spin effects to Pythia string fragmentation	KERBIZI, Albi
17:15	[1310] A PYTHIA-8 underlying event tune from RHIC to the LHC	MOONEY, Isaac
17:30	[682] Underlying event measurements at ATLAS	HIRSCHBÜHL, Dominic
17:45	[82] Beauty production in small systems with ALICE at the LHC	DEMMICH, Katharina
18:00	[257] Forward production of charm and bottom dijets with off-shell partons	SZCZUREK, Antoni
18:15	[758] ATLAS results on charmonium and B meson production and decays	BONA, Marcella
18:35	[74] Ground and excited quarkonium states as probes of MPI in small systems with ALICE	TORK, Theraa
18:50	[1341] Inclusive photoproduction of quarkonium pairs at the US EIC	SANGEM, Rajesh

# Saturday, 9 July 2022

## Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (09:00 - 10:45)

-Conveners: Maria Ubiali; Gunar Schnell

time	[id] title	presenter
09:00	[689] Global extraction of unpolarized quark TMDs at N3LL	BOZZI, Giuseppe
09:15	[1286] Non-perturbative contributions to vector boson transverse spectra: PDF bias and flavor dependence in TMD distributions	HAUTMANN, Francesco
09:30	[1377] Transverse momentum dependent splitting functions in the Parton Branching method	KEERSMAEKERS, Lissa
09:45	[330] Latest Hermes results on azimuthal single- and double-spin asymmetries in semi-inclusive deep-inelastic scattering by transversely polarized protons	PAPPALARDO, Luciano Libero
10:00	[126] Measurement of lepton-jet correlation in deep-inelastic scattering with the H1 detector using machine learning for unfolding	XU, YAOYUAN
10:15	[1203] Azimuthal correlations in high pT processes with the TMD parton branching method at NLO	VAN KAMPEN, Mees
10:30	[1076] $\$J/\psi\$$ polarization and gluon TMDs in semi-inclusive DIS at low and high transverse momentum	PISANO, Cristian

## Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (11:15 - 13:00)

-Conveners: Alice Ohlson; Marco Pappagallo

time	[id] title	presenter
11:15	[875] Excited charm hadron spectroscopy at LHCb	CHEN, Chen
11:35	[882] Studies of conventional doubly heavy hadrons at LHCb	SPRADLIN, Patrick
11:50	[591] Study of charmonia and bottomonia at Belle	PINNA ANGIONI, Gianluca
12:05	[883] Spectroscopy and decays of b-hadrons at LHCb	AO, Dong
12:20	[890] Amplitude analyses of charm decays at LHCb	GONCALVES ABRANTES, Fernanda
12:35	[607] Shapes and sizes of diquarks in lattice QCD	Prof. FRANCIS, Anthony

## Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (14:30 - 16:30)

-Conveners: Marco Pappagallo; Giovanni Abbiendi

time	[id] title	presenter
14:30	[193] Recent CMS results on exotic resonances	YI, Kai
14:45	[759] ATLAS results on exotic hadronic resonances	BOUHOVA-THACKER, Evelina
15:00	[879] Studies of mesonic exotic states at LHCb	MA, Ruiting
15:15	[880] Studies of pentaquark states at LHCb	NERI, Nicola
15:30	[285] Recent XYZ results at BESIII	SPATARO, Stefano
15:50	[933] Recent quarkonium results at Belle II	JI, Qingping
16:05	[509] Double charm tetraquark in $\$DD^{**}\$$ scattering from lattice QCD	MADANAGOPALAN, Padmanath

**Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (17:00 - 19:00)****-Conveners: Marco Pappagallo; Alice Ohlson**

time	[id] title	presenter
17:00	[1200] Non-perturbative QCD up to high temperatures: the case of mesonic screening masses	Dr PEPE, Michele
17:15	[141] Measurement of the hypertriton properties and production with ALICE	DITZEL, Janik
17:30	[262] Extending the ALICE strong-interaction studies to nuclei: measurement of proton-deuteron and $\Lambda$ -deuteron correlations in pp collisions at $\sqrt{s} = 13$ TeV	SINGH, Bhawani
17:45	[752] Charged particle correlations with ATLAS	ASTALOS, Robert
18:00	[284] Light Meson Spectroscopy at BESIII	HOU, guoyi
18:15	[272] The hybrid nonet of $\pi_1(1600)$ and $\eta_1(1855)$ : analysis and predictions	SHASTRY, Vanamali
18:30	[1304] Studying light flavour resonances with polarised photon beams	Ms HAMMOUD, Nadine