

Low x 2017

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Other Institutes



Book of Abstracts

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3-parton production in DIS at small x

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Jets, heavy quark, final states session I / 34

A Very Forward Hadron Spectrometer at the LHC

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Heavy ion session I / 58

A model-independent extension of the Glauber-Velasco model of elastic pp scattering

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Diffraction at high lumi and photon exchange session II / 55

ATLAS Forward Detectors: present and future

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Anomalous coupling and invisible objects studies

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CEP results from LHCb

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Vector meson session / 75

CEP results from LHCb

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CFT at Strong Coupling: From DIS to Inclusive Production

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Performance of Orchestra Filarmonica Pugliese

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D* meson production in diffractive DIS

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Deep Inverse of Soft Diffraction

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Heavy ion session I / 60

Deep inelastic scattering as a probe of entanglement

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Dihadron production, heavy-quark pair production, dijet and multi-jet production

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Jets and final state session II / 20

Dipole description of diffractive dijet and quarkonia production

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BFKL and saturation session II / 30

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Discussion session: Heavy ions

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Jets, heavy quark, final states session II / 38

Discussion session: Jets, heavy quarks, photon, gluonium

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Discussion session: Particle production, final states

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Diffraction at high lumi and photon exchange session II / 57

Discussion session: high mass diffraction and photon exchange processes

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Soft QCD and diffraction session / 48

Discussion session: soft QCD and diffraction, vector mesons

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Does Nature Know about Perturbation Theory? A Study of HERA Deep Inelastic Scattering Data at Low Q^2

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Particle production and final state session I / 70

Double parton scattering in CMS

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Jets, heavy quark, final states session I / 31

EW, jets, and heavy flavour production at LHCb

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Vector meson session / 40

Exclusive light meson production at the LHC

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Heavy ion session II / 63

Flow and event-by-event fluctuations in pp, pPb and PbPb collisions at CMS

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Jets and final state session I / 15

Four-jet production in High Energy Factorization plus Parton Showers

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Diffraction at high lumi and photon exchange session I / 51

Gamma gamma gamma Z anomalous coupling studies

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Jets, heavy quark, final states session II / 36

Gluonium production

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Soft QCD and diffraction session / 45

Hadronization of highly virtual partons: perturbative vs nonperturbative scenarios

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BFKL and saturation session II / 27

High Energy QCD at NLO: from light-cone wave function to JIMWLK evolution

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High precision measurements of the differential W and Z boson cross section and Z/top pair cross section ratios in ATLAS

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Higher-twist corrections to gluon TMD factorization

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Improved theoretical description of Mueller-Navelet jets at LHC

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Heavy ion session I / 61

Inelastic nuclear screening for different secondaries produced in p+Pb collisions at LHC energy

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J/Psi production in peripheral AA collisions

Jets and final state session I / 16

Measurement of inclusive jet, dijet and photon production in CMS

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Measurement of the inclusive jet, dijet, and photon production in ATLAS

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Particle production and final state session I / 68

Measurement of the particle production properties in ATLAS

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Diffraction at high lumi and photon exchange session I / 52

Measurements of exclusive production in ATLAS

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Particle production and final state session I / 69

Minimum bias and underlying event measurements at CMS

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Multi-jet production in the high energy limit at LHC

Jets, heavy quark, final states session I / 32

New measurements of jets in DIS and extraction of α_s at NNLO

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Jets and final state session II / 17

PDF results from CMS V+jets measurements

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Parton distributions/phenomenology at low x

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Diffraction at high lumi and photon exchange session II / 53

Physics prospects and technical status of ATLAS Forward proton detectors

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Soft QCD and diffraction session / 44

Precision REMORM/MBR diffraction predictions confront recent LHC data

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BFKL and saturation session I / 22

Probing BFKL dynamics in Mueller-Navelet jet production and in very forward J/psi and backward jet production at the LHC

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Production of electroweak bosons on association with jets in ATLAS

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Vector meson session / 39

Production of one and two J/\psi mesons at the LHC

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Recent results from LHCf

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Soft QCD and diffraction session / 43

Recent results from totem

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Heavy ion session I / 62

Recent results on photon-photon, photon-nuclear and heavy-ion collisions from ATLAS

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Registration

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Diffraction at high lumi and photon exchange session I / 49

Results from the combined CMS and TOTEM data taking and high-mass dilepton and diphoton production with the CMS-TOTEM Precision Proton Spectrometer

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BFKL and saturation session II / 29

Saturation effects in dijet production within Hybrid factorization

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Vector meson session / 42

Saturation of the resonance spectrum

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Vector meson session / 41

Small x gluon from b bar and exclusive J/ψ production at the LHC

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Spin dependent parton distributions

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Diffraction at high lumi and photon exchange session II / 54

The CT-PPS project

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Toward Mueller-Tang jets at Next-to-leading order

Diffraction at high lumi and photon exchange session II / 56

Turning the LHC Ring into a Discovery Machine

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Unpolarized and linearly-polarized gluon distributions from JIMWLK evolution

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Heavy ion session II / 65

VHEeP workshop summary

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Very forward energy flow and jets in pp and pA at CMS

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Welcome

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Workshop conclusion

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XFitter

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