Low x 2017

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Other Institutes

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3-parton production in DIS at small x

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A Very Forward Hadron Spectrometer at the LHC

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

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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

Concerto at Anfiteatro di Ponente

Performance of Orchestra Filarmonica Pugliese

D* meson production in diffractive DIS

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Deep Inverse of Soft Diffraction

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Deep inelastic scattering as a probe of entanglement

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Dipole description of diffractive dijet and quarkonia production
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Discussion session: Heavy ions

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Discussion session: Jets, heavy quarks, photon, gluonium

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Discussion session: PDFs, QCD fits, low x

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Discussion session: PDFs, jets, QCD fits, photon

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Discussion session: Particle production, final states

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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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Double parton scattering in CMS

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EW, jets, and heavy flavour production at LHCb

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Exclusive light meson production at the LHC

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

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Four-jet production in High Energy Factorization plus Parton Showers

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Gamma gamma gamma Z anomalous coupling studies

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Gluonium production

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Hadronization of highly virtual partons: perturbative vs nonperturbative scenarios

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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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**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**

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**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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**Measurement of the particle production properties in ATLAS**

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**Measurements of exclusive production in ATLAS**

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**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 alpha_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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PDFs, QCD fits, low x session I / 4

**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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**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 AT-LAS**

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Vector meson session / 39

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

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**Prompt photon production in diffractive photoproduction -**

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Jets, heavy quark, final states session II / 37

**Prompt proton production in DIS at HERA**

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QCD jets in pp, pA and AA collisions with CMS

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Recent results from LHCf

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Recent results from totem

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

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Saturation of the resonance spectrum

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

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Spin dependent parton distributions

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The CT-PPS project

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

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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VHEeP workshop summary

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

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Workshop conclusion

PDFs, QCD fits, low x session II / 9

XFitter

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Jets, heavy quark, final states session I / 33

Combined measurement of charm and beauty production in DIS and extraction of the charm and beauty quark masses

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tba

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