

First Results from the LHC and Their Physical Interpretation



Report of Contributions

Contribution ID: **12**

Type: **presentation**

Opening Address

Tuesday, 19 October 2010 09:00 (10 minutes)

Presenter: TYURIN, Nikolai (Institute for High Energy Physics (IHEP))

Session Classification: Morning session

Contribution ID: 13

Type: **presentation**

Status of the LHC Machine

Tuesday, 19 October 2010 09:10 (40 minutes)

Presenter: VENTURINI DELSOLARO, Walter (CERN)

Session Classification: Morning session

Track Classification: Status and plans of LHC machine

The CMS experiment: status, performance and selected results

Tuesday, 19 October 2010 09:50 (40 minutes)

Presenter: JEITLER, Manfred (Institut fuer Hochenergiephysik (HEPHY))

Session Classification: Morning session

Track Classification: Status and plans of LHC machine

Contribution ID: 15

Type: **not specified**

Status of LHCb

Tuesday, 19 October 2010 15:00 (30 minutes)

Presenter: BELYAEV, Ivan

Session Classification: Evening Session

Track Classification: Status and plans of LHC machine

Contribution ID: **16**

Type: **presentation**

ATLAS Status, operation and performance

Tuesday, 19 October 2010 10:30 (40 minutes)

Presenter: SOLODKOV, Sanya (IHEP, Protvino)

Session Classification: Morning session

Track Classification: Status and plans of LHC machine

Contribution ID: 17

Type: **presentation**

CMS Silicon Strip Tracker Operation and Performance

Tuesday, 19 October 2010 11:30 (30 minutes)

Presenter: BOUDOUL, Gaelle (Institut de Physique Nucleaire de Lyon (IPNL))

Session Classification: Morning session

Track Classification: Status and performance of the experiments

CMS track reconstruction and performance during pp collisions at $\sqrt{s}=7$ TeV

Tuesday, 19 October 2010 12:00 (30 minutes)

Presenter: CASTELLO, Roberto (University of Torino & INFN)

Session Classification: Morning session

Track Classification: Status and performance of the experiments

Contribution ID: 19

Type: **not specified**

Magnetic spectrometer based on the straw operated in vacuum environment

Tuesday, 19 October 2010 13:00 (20 minutes)

Presenter: POTREBENIKOV, Iouri (Joint Inst. for Nuclear Research (JINR))

Session Classification: Morning session

Track Classification: Status and performance of the experiments

Contribution ID: **20**

Type: **presentation**

W/Z Physics at ATLAS

Tuesday, 19 October 2010 16:10 (30 minutes)

Presenter: GARCIA NAVARRO, Jose Enrique (Dept. de Phys. Nucl. et Corpuscul. (DPNC)-Universite de Geneve)

Session Classification: Evening Session

Track Classification: EW studies (W/Z productions)

Contribution ID: 21

Type: **presentation**

W/Z physics at CMS

Tuesday, 19 October 2010 16:40 (30 minutes)

Presenter: SANTAOLALLA CAMINO, Javier (Centro de Investigaciones Energeticas Medioambientales y Tecnol)

Session Classification: Evening Session

Track Classification: EW studies (W/Z productions)

Contribution ID: 22

Type: **presentation**

Search for Scalar Leptoquarks Using Events Containing Two Leptons and Two Jets in CMS

Tuesday, 19 October 2010 17:30 (30 minutes)

Presenter: KIRSANOV, Mikhail (Institute for Nuclear Research (INR))

Session Classification: Evening Session

Track Classification: EW studies (W/Z productions)

Contribution ID: 23

Type: **presentation**

First ALICE Results

Tuesday, 19 October 2010 15:30 (40 minutes)

Presenter: SADOVSKY, Serguei

Session Classification: Evening Session

Track Classification: First searches

Contribution ID: 24

Type: **presentation**

Performance of the ATLAS Transition Radiation Tracker with Cosmic Rays and First High Energy Collisions at LHC

Tuesday, 19 October 2010 12:30 (30 minutes)

Co-authors: BOCCI, Andrea (CERN); DITTUS, Fido (CERN)

Presenter: MASHINISTOV, Ruslan (Moscow Physical Engineering Institute (MePhI))

Session Classification: Morning session

Track Classification: First searches

First searches for physics beyond the Standard Model at CMS

Tuesday, 19 October 2010 18:00 (30 minutes)

Presenter: DIEZ PARDOS, Carmen (Centro de Investigaciones Energ. Medioambientales y Tecn. - (CIE)

Session Classification: Evening Session

Track Classification: First searches

Early searches for new physics with the ATLAS detector

Tuesday, 19 October 2010 18:30 (30 minutes)

Presenter: SEDYKH, Eugene (High Energy Physics Division (HEPD)-Theory Division-Petersburg N)

Session Classification: Evening Session

Track Classification: First searches

Contribution ID: **28**

Type: **presentation**

SM Higgs searches in the early ATLAS data

Wednesday, 20 October 2010 09:30 (30 minutes)

Presenter: TSUKERMAN, Ilya (ITEP, Moscow)

Session Classification: Morning Session

Track Classification: First searches

Prospects for physics with 1 fb⁻¹ at CMS

Wednesday, 20 October 2010 10:00 (30 minutes)

Presenter: TEYSSIER, Daniel (CERN)

Session Classification: Morning Session

Track Classification: Potential of the experiments for 1 fb-1 at 3.5 × 3.5 TeV

Contribution ID: **30**

Type: **presentation**

Forward physics at CMS

Wednesday, 20 October 2010 10:30 (30 minutes)

Presenter: SOBOL, Andrei (Institute for High Energy Physics (IHEP)-Unknown-Unknown)

Session Classification: Morning Session

Track Classification: Forward physics

Inclusive production of Ks and Lambda at $\sqrt{s}=0.9$ and 7 TeV

Wednesday, 20 October 2010 11:00 (30 minutes)

Presenter: SHAPKIN, Mikhail

Session Classification: Morning Session

Track Classification: First searches

Contribution ID: 33

Type: **presentation**

Russian Counterpart of LHC —Accelerator Complex U70 of IHEP

Wednesday, 20 October 2010 11:50 (30 minutes)

Presenter: Prof. IVANOV, Sergey (Institute for High Energy Physics (IHEP))

Session Classification: Morning Session

Track Classification: Special invited

Contribution ID: 35

Type: **presentation**

Neutral meson spectra measurements in pp collisions at 7 TeV with ALICE

Thursday, 21 October 2010 09:30 (30 minutes)

Presenter: KHARLOV, Yuri (State Res.Center of Russian Feder. Inst.f.High Energy Phys. (IFVE))

Session Classification: Morning Session

Track Classification: Potential of the experiments for 1 fb-1 at 3.5×3.5 TeV

Contribution ID: **36**

Type: **presentation**

Non-perturbative QCD measurements in ATLAS

Thursday, 21 October 2010 10:00 (30 minutes)

Presenter: RODA, Chiara (INFN Sezione di Pisa (INFN))

Session Classification: Morning Session

Track Classification: Potential of the experiments for 1 fb-1 at 3.5×3.5 TeV

ATLAS results on QCD

Thursday, 21 October 2010 10:30 (30 minutes)

Presenter: KOROLKOV, Ilya (IFAE-Barcelona)

Session Classification: Morning Session

Track Classification: QCD studies

Photon physics in ALICE

Thursday, 21 October 2010 11:20 (30 minutes)

Presenter: PERESSOUNKO, Dmitri (RRC "Kurchatov institute")

Session Classification: Morning Session

Track Classification: QCD studies

Contribution ID: 39

Type: **presentation**

J/Psi Physics at ATLAS

Thursday, 21 October 2010 11:50 (30 minutes)

Presenter: Dr SPAGNOLO, Stefania (INFN Lecce and Dip. Fisica, Univ. del Salento)

Session Classification: Morning Session

Track Classification: QCD studies

Expected b-quark production at the LHC

Thursday, 21 October 2010 12:20 (30 minutes)

Presenter: SMIRNOVA, Lidia

Session Classification: Morning Session

Track Classification: B - physics

Contribution ID: 41

Type: **presentation**

Top quark physics at CMS

Thursday, 21 October 2010 14:30 (30 minutes)

Presenter: SCODELLARO, Luca (Unknown)

Session Classification: Evening Session

Track Classification: QCD studies

Contribution ID: 42

Type: **presentation**

Measurement of D-mesons production at LHC with ATLAS

Thursday, 21 October 2010 15:00 (30 minutes)

Presenter: GLADILIN, Leonid (Moscow State University)

Session Classification: Evening Session

Track Classification: QCD studies

Exclusive Bc-meson decays at LHC

Thursday, 21 October 2010 15:30 (30 minutes)

Authors: LUCHINSKY, Alexey (Institute for High Energy Physics, Protvino, Russia); LIKHODED, Anatoli (State Res.Center of Russian Feder. Inst.f.High Energy Phys. (IFVE))

Presenter: LUCHINSKY, Alexey (Institute for High Energy Physics, Protvino, Russia)

Session Classification: Evening Session

Track Classification: B - physics

Contribution ID: 44

Type: **presentation**

Collective effects in multiparticle production at the LHC

Thursday, 21 October 2010 16:00 (30 minutes)

Co-author: TYURIN, Nikolai (Institute for High Energy Physics (IHEP))

Presenter: Dr TROSHIN, Sergey (IHEP, Protvino, Russia)

Session Classification: Evening Session

Track Classification: First searches

Contribution ID: 45

Type: **presentation**

LHC Machine and Detectors Status

Thursday, 21 October 2010 16:50 (30 minutes)

Presenter: Prof. OBRAZTSOV, Vladimir (Institute for High Energy Physics (IHEP)-Unknown-Unknown)

Session Classification: Evening Session

On Early Physics Results from the LHC: Heavy Quarks, Gauge Bosons and Some Relic Stuff

Thursday, 21 October 2010 17:20 (30 minutes)

Presenter: LIKHODED, Anatoli (State Res.Center of Russian Feder. Inst.f.High Energy Phys. (IFVE))

Session Classification: Evening Session

First Results fro ⋯ / Report of Contributions

Is the LHC to Trigger a Scientific ⋯

Contribution ID: 47

Type: **presentation**

Is the LHC to Trigger a Scientific Revolution?

Thursday, 21 October 2010 17:50 (30 minutes)

Presenter: PETROV, Vladimir (State Res.Center of Russian Feder. Inst.f.High Energy Phys. (IFVE))

Session Classification: Evening Session

Contribution ID: **48**

Type: **presentation**

Closing Address

Thursday, 21 October 2010 18:20 (10 minutes)

Presenter: TYURIN, Nikolai (Institute for High Energy Physics (IHEP))

Session Classification: Evening Session