

1st Chinese-French Workshop on LHC Physics and Associated Grid Computing

Report of Contributions

Contribution ID: 0

Type: **not specified**

Workshop opening and welcome

Monday, December 11, 2006 3:30 PM (30 minutes)

Primary author: Prof. CHEN, Hesheng (Director of IHEP)

Presenter: Prof. CHEN, Hesheng (Director of IHEP)

Session Classification: Welcome Session

Track Classification: Welcome Session

Contribution ID: 1

Type: **not specified**

Status of the Large Hadron Collider

Tuesday, December 12, 2006 8:30 AM (30 minutes)

Primary author: Prof. ILLE, Bernard (IPN Lyon, Université Lyon 1)

Presenter: Prof. ILLE, Bernard (IPN Lyon, Université Lyon 1)

Session Classification: Status of LHC Project

Track Classification: Status of LHC Project

Contribution ID: 2

Type: **not specified**

Status of Atlas

Tuesday, December 12, 2006 9:00 AM (25 minutes)

Primary author: Dr MONNIER, Emmanuel (CPPM/CERN)

Presenter: Dr MONNIER, Emmanuel (CPPM/CERN)

Session Classification: Status of LHC Project

Track Classification: Status of LHC Project

Contribution ID: 3

Type: **not specified**

Status of CMS

Tuesday, December 12, 2006 10:25 AM (30 minutes)

Primary author: Dr DOBRZYNSKI, Ludwik (LLR-IN2P3-CNRS)

Presenter: Dr DOBRZYNSKI, Ludwik (LLR-IN2P3-CNRS)

Session Classification: Status of LHC Project

Track Classification: Status of LHC Project

Contribution ID: 4

Type: **not specified**

Visit BEPC, BESIII and other aspects...

Track Classification: Laboratory Visit

Contribution ID: 5

Type: **not specified**

Status of LHCb

Tuesday, December 12, 2006 11:15 AM (35 minutes)

Primary author: Mr ROBBE, Patrick (LAL Orsay, IN2P3)

Presenter: Mr ROBBE, Patrick (LAL Orsay, IN2P3)

Session Classification: Status of LHC Project

Track Classification: Status of LHC Project

Contribution ID: 7

Type: **not specified**

Physics at the TEV scale

Tuesday, December 12, 2006 5:00 PM (40 minutes)

Primary author: Prof. KLASSEN, Michael

Presenter: Prof. KLASSEN, Michael

Session Classification: LHC Environment Status

Track Classification: LHC Environment Status

Contribution ID: 8

Type: **not specified**

Tevatron and LHC-ILC interplay

Tuesday, December 12, 2006 4:00 PM (40 minutes)

Primary author: Prof. GAY, Pascal

Presenter: Prof. GAY, Pascal

Session Classification: LHC Environment Status

Track Classification: LHC Environment Status

Contribution ID: 9

Type: **not specified**

Status of the LHC computing grid

Tuesday, December 12, 2006 1:30 PM (40 minutes)

Primary authors: HERNANDEZ, Fabio; Mrs CHOLLET, Frédérique (LAPP IN2P3)

Presenter: Mrs CHOLLET, Frédérique (LAPP IN2P3)

Session Classification: LHC Environment Status

Track Classification: LHC Environment Status

Contribution ID: **10**

Type: **not specified**

Overview of the Chinese computing grids

Tuesday, December 12, 2006 2:40 PM (30 minutes)

Primary author: Dr CHEN, Gang (IHEP)

Presenter: Dr CHEN, Gang (IHEP)

Session Classification: LHC Environment Status

Track Classification: LHC Environment Status

Contribution ID: **11**

Type: **not specified**

Using the grid: an LHC physicist point of view

Wednesday, December 13, 2006 9:40 AM (30 minutes)

Primary author: JEZEQUEL, Stephane (LAPP)

Presenter: JEZEQUEL, Stephane (LAPP)

Session Classification: Physics and Grid at LHC

Track Classification: Physics and Grid at LHC

Contribution ID: 12

Type: **not specified**

Physics in ATLAS

Wednesday, December 13, 2006 11:30 AM (30 minutes)

Primary author: Dr UNAL, Guillaume (CERN)

Presenter: Dr UNAL, Guillaume (CERN)

Session Classification: Physics and Grid at LHC

Track Classification: Physics and Grid at LHC

Contribution ID: 13

Type: **not specified**

Physics in CMS

Wednesday, December 13, 2006 12:15 PM (30 minutes)

Primary author: Prof. GASCON, Susan (Institut de Physique Nucleaire de Lyon/Universite Claude Bernard Lyon I)

Presenter: Prof. GASCON, Susan (Institut de Physique Nucleaire de Lyon/Universite Claude Bernard Lyon I)

Session Classification: Physics and Grid at LHC

Track Classification: Physics and Grid at LHC

Contribution ID: 14

Type: **not specified**

Physics in LHCb

Wednesday, December 13, 2006 9:10 AM (30 minutes)

Primary author: Prof. GAO, Yuanning (清华大学工程物理系)

Presenter: Prof. GAO, Yuanning (清华大学工程物理系)

Session Classification: Physics and Grid at LHC

Track Classification: Physics and Grid at LHC

Contribution ID: 15

Type: **not specified**

Physics in ALICE

Wednesday, December 13, 2006 8:30 AM (40 minutes)

Primary author: Dr CROCHET, Philippe (LPC CNRS/IN2P3)

Presenter: Dr CROCHET, Philippe (LPC CNRS/IN2P3)

Session Classification: Physics and Grid at LHC

Track Classification: Physics and Grid at LHC

Contribution ID: 16

Type: **not specified**

A Computing Tier-2 Node

Thursday, December 14, 2006 8:40 AM (30 minutes)

Primary author: FEDE, Eric (Lapp)

Presenter: FEDE, Eric (Lapp)

Session Classification: Computing Grid at LHC - Working Session

Track Classification: Computing Grid at LHC

Contribution ID: 17

Type: **not specified**

Physics with Atlas in China and in France

Track Classification: Physics and Grid at LHC

Contribution ID: **18**

Type: **not specified**

CMS Physics analysis in China

Presenter: CHEN, Guoming and French speaker

Track Classification: Physics and Grid at LHC

Contribution ID: 19

Type: **not specified**

Workshop highlights: a french insight

Thursday, December 14, 2006 4:30 PM (20 minutes)

Primary author: Prof. LEDIBERDER, Francois (IN2P3)

Presenter: Prof. LEDIBERDER, Francois (IN2P3)

Session Classification: Conclusion Talks

Track Classification: Conclusion talks

Contribution ID: 20

Type: **not specified**

Final workshop conclusion, Chinese/French cooperation Highlight

Thursday, December 14, 2006 4:50 PM (20 minutes)

Primary authors: Prof. CHEN, Hesheng (Director of IHEP); Prof. WANG, Yifang (IHEP)

Presenters: Prof. CHEN, Hesheng (Director of IHEP); Prof. WANG, Yifang (IHEP)

Session Classification: Conclusion Talks

Track Classification: Conclusion talks

Contribution ID: 21

Type: **not specified**

Top physics analysis

Thursday, December 14, 2006 8:30 AM (30 minutes)

Primary author: Dr CHERICI, Roberto (IPNL)

Presenter: Dr CHERICI, Roberto (IPNL)

Session Classification: Physics at LHC - Working Session

Track Classification: Physics at LHC - Working Session

Contribution ID: 23

Type: **not specified**

Standard Model

Track Classification: Physics at LHC - Working Session

Contribution ID: 24

Type: **not specified**

Higgs Physics

Thursday, December 14, 2006 9:25 AM (25 minutes)

Primary author: Mr UNAL, Guillaume (CERN)

Presenter: Mr UNAL, Guillaume (CERN)

Session Classification: Physics at LHC - Working Session

Track Classification: Physics at LHC - Working Session

Contribution ID: 25

Type: **not specified**

Supersymmetry

Thursday, December 14, 2006 10:35 AM (25 minutes)

Primary author: Prof. GOERLACH, Ulrich (IPHC IN2P3 CNRS ULP)

Presenter: Prof. GOERLACH, Ulrich (IPHC IN2P3 CNRS ULP)

Session Classification: Physics at LHC - Working Session

Track Classification: Physics at LHC - Working Session

Contribution ID: 26

Type: **not specified**

Beyond Standard Model

Track Classification: Physics at LHC - Working Session

Contribution ID: 29

Type: **not specified**

Grid in CMS

Thursday, December 14, 2006 11:10 AM (30 minutes)

Primary author: TRUNOV, Artem (CC-IN2P3)

Presenter: TRUNOV, Artem (CC-IN2P3)

Session Classification: Computing Grid at LHC - Working Session

Track Classification: Computing Grid at LHC

Contribution ID: **30**

Type: **not specified**

Infrastructure for the Grid

Thursday, December 14, 2006 9:40 AM (30 minutes)

Primary author: CORDIER, Helene (CCIN2P3)

Presenter: CORDIER, Helene (CCIN2P3)

Session Classification: Computing Grid at LHC - Working Session

Track Classification: Computing Grid at LHC

Contribution ID: 31

Type: **not specified**

Security, Authentication and Authorization

Thursday, December 14, 2006 11:40 AM (30 minutes)

Primary author: NICOUD, Sophie (CNRS/UREC)

Presenter: NICOUD, Sophie (CNRS/UREC)

Session Classification: Computing Grid at LHC - Working Session

Track Classification: Computing Grid at LHC

Contribution ID: **32**

Type: **not specified**

Scientific Data Grid and e-Science

Thursday, December 14, 2006 9:10 AM (30 minutes)

Primary author: Dr NAN, Kai (CNIC)

Presenter: Dr NAN, Kai (CNIC)

Session Classification: Computing Grid at LHC - Working Session

Track Classification: Computing Grid at LHC

Contribution ID: 33

Type: **not specified**

Data challenge with the grid in ATLAS

Thursday, December 14, 2006 10:40 AM (30 minutes)

Primary author: Dr RAHAL, Ghita (CCIN2P3)

Presenter: Dr RAHAL, Ghita (CCIN2P3)

Session Classification: Computing Grid at LHC - Working Session

Track Classification: Computing Grid at LHC

Contribution ID: 35

Type: **not specified**

Grid in ATLAS

Primary authors: Dr RAHAL, Ghita (cc in2p3); Dr JEZEQUEL, STEPHANE (LAPP/CNRS-Université de Savoie)

Presenters: Dr RAHAL, Ghita (cc in2p3); Dr JEZEQUEL, STEPHANE (LAPP/CNRS-Université de Savoie)

Track Classification: Computing Grid at LHC

Contribution ID: **36**

Type: **not specified**

A Tier-1 node: the CC-IN2P3

Tuesday, December 12, 2006 2:10 PM (30 minutes)

Primary author: Dr BOUTIGNY, Dominique (CC-IN2P3)

Presenter: Dr BOUTIGNY, Dominique (CC-IN2P3)

Session Classification: LHC Environment Status

Track Classification: LHC Environment Status

Contribution ID: 37

Type: **not specified**

Round table on grid infrastructure

Thursday, December 14, 2006 2:00 PM (1h 30m)

Session Classification: Computing Grid at LHC - Working Session II

Track Classification: Computing Grid at LHC

Contribution ID: **38**

Type: **not specified**

Continuation of morning session then discussion time for each LHC experiment

Track Classification: Physics at LHC - Working Session

Contribution ID: 39

Type: **not specified**

Status of ALICE and progress in China

Tuesday, December 12, 2006 11:50 AM (40 minutes)

Primary author: Prof. ZHOU, Daicui (CCNU, Central China Normal University)

Presenter: Prof. ZHOU, Daicui (CCNU, Central China Normal University)

Session Classification: Status of LHC Project

Contribution ID: 40

Type: **not specified**

Direct photon Production and indentification in heavy ion collisions

Thursday, December 14, 2006 3:40 PM (20 minutes)

Primary author: Dr LI, Xiaomei (CIAE)

Presenter: Dr LI, Xiaomei (CIAE)

Session Classification: Physics at LHC - Working session II

Contribution ID: 41

Type: **not specified**

Simulation studies of trigger decision criterion for the ALICE photon spectrometer

Thursday, December 14, 2006 2:20 PM (20 minutes)

Primary author: Dr WANG, Yaping (Central China Normal University, CCNU)

Presenter: Dr WANG, Yaping (Central China Normal University, CCNU)

Session Classification: Physics at LHC - Working session II

Contribution ID: 42

Type: **not specified**

Energy loss of heavy quarks via single muon production at LHC energies

Primary author: Dr DING, Hengtong (CCNU)

Presenter: Dr DING, Hengtong (CCNU)

Contribution ID: 43

Type: **not specified**

SUSY

Primary author: Prof. GOERLACH, Ulrich (IPHC IN2P3 CNRS ULP)

Presenter: Prof. GOERLACH, Ulrich (IPHC IN2P3 CNRS ULP)

Track Classification: Physics at the TEV scale reachable with LHC: Theory session

Contribution ID: 44

Type: **not specified**

The Atlas Torroid Magnet

Tuesday, December 12, 2006 9:25 AM (20 minutes)

Primary author: Dr SUN, Zhihong (CEA Saclay, France)

Presenter: Dr SUN, Zhihong (CEA Saclay, France)

Session Classification: Status of LHC Project

Track Classification: Status of LHC Project

Contribution ID: 45

Type: **not specified**

The CMS muon system

Tuesday, December 12, 2006 10:55 AM (20 minutes)

Primary author: Dr BAN, Yong (Peking University)

Presenter: Dr BAN, Yong (Peking University)

Session Classification: Status of LHC Project

Contribution ID: 46

Type: **not specified**

Double heavy hadrons at LHC

Thursday, December 14, 2006 9:00 AM (25 minutes)

Primary author: Prof. CHANG, Chao-Hsi (the Institution of Theoretical Physics)

Presenter: Prof. CHANG, Chao-Hsi (the Institution of Theoretical Physics)

Session Classification: Physics at LHC - Working Session

Contribution ID: 47

Type: **not specified**

Latest Results of Tevatron and Prospect

Tuesday, December 12, 2006 3:30 PM (30 minutes)

Primary author: Prof. HAN, Liang (University of Science and Technology of China (USTC))

Presenter: Prof. HAN, Liang (University of Science and Technology of China (USTC))

Session Classification: LHC Environment Status

Contribution ID: 48

Type: **not specified**

D0 reconstruction at CMS

Thursday, December 14, 2006 3:00 PM (20 minutes)

Primary author: Dr MENG, xiangwei (No)

Presenter: Dr MENG, xiangwei (No)

Session Classification: Physics at LHC - Working session II

Contribution ID: 49

Type: **not specified**

Last 2 years of CMS Physics in PKU

Thursday, December 14, 2006 11:25 AM (20 minutes)

Primary author: Prof. QIAN, Sijin (Peking University)

Presenter: Prof. QIAN, Sijin (Peking University)

Session Classification: Physics at LHC - Working Session

Contribution ID: 50

Type: **not specified**

A parton and hadron cascade model for relativistic heavy-ion collision, PACIAE

Primary author: Prof. SA, Ben-Hao (CIAE)

Presenter: Prof. SA, Ben-Hao (CIAE)

Track Classification: Physics at the TEV scale reachable with LHC: Theory session

Contribution ID: 51

Type: **not specified**

Top spin physics at LHC

Primary author: Prof. SI, Zongguo (ShanDong University)

Presenter: Prof. SI, Zongguo (ShanDong University)

Track Classification: Physics at LHC - Working Session

Contribution ID: 52

Type: **not specified**

Feasibility to study Bc meson at CMS

Thursday, December 14, 2006 2:00 PM (20 minutes)

Primary author: Mr TAO, Junquan (Institute of High Energy Physics, Chinese Academy of Science)

Presenter: Mr TAO, Junquan (Institute of High Energy Physics, Chinese Academy of Science)

Session Classification: Physics at LHC - Working session II

Contribution ID: 53

Type: **not specified**

Effects of Higgs in electroweak lagrangian

Thursday, December 14, 2006 9:50 AM (25 minutes)

Primary author: Prof. WANG, Qing (TsingHua University)

Presenter: Prof. WANG, Qing (TsingHua University)

Session Classification: Physics at LHC - Working Session

Contribution ID: 54

Type: **not specified**

J/y momentum distribution in heavy ion collisions at LHC

Thursday, December 14, 2006 12:05 PM (20 minutes)

Primary author: Prof. XU, Xiaoming (上海大学)

Presenter: Prof. XU, Xiaoming (上海大学)

Session Classification: Physics at LHC - Working Session

Contribution ID: 55

Type: **not specified**

Collider phenomenology of SUSY and cosmic connections

Thursday, December 14, 2006 11:00 AM (25 minutes)

Primary author: Prof. YANG, Jinmin (The Institution of Theoretical)

Presenter: Prof. YANG, Jinmin (The Institution of Theoretical)

Session Classification: Physics at LHC - Working Session

Contribution ID: 56

Type: **not specified**

J/ ψ → μ + μ - Trigger For the First 1/fb Data

Thursday, December 14, 2006 3:20 PM (20 minutes)

Primary author: Dr YANG, Min (Institute of High Energy Physics,Chinese Academy of Sciences)

Presenter: Dr YANG, Min (Institute of High Energy Physics,Chinese Academy of Sciences)

Session Classification: Physics at LHC - Working session II

Contribution ID: 57

Type: **not specified**

Testing Anomalous Gauge Couplings of the Higgs Boson via Weak-Boson Scatterings at the LHC

Thursday, December 14, 2006 2:40 PM (20 minutes)

Primary author: Mr ZHANG, Zhen (Institute of high energy physics)

Presenter: Mr ZHANG, Zhen (Institute of high energy physics)

Session Classification: Physics at LHC - Working session II

Contribution ID: 58

Type: **not specified**

The Atlas muon spectrometer

Tuesday, December 12, 2006 9:45 AM (20 minutes)

Primary author: Prof. ZHU, Chengguang (Shandong Univ)

Presenter: Prof. ZHU, Chengguang (Shandong Univ)

Session Classification: Status of LHC Project

Track Classification: Status of LHC Project

Contribution ID: 59

Type: **not specified**

J/Psi Regeneration and Suppression in Quark-Gluon Plasma

Thursday, December 14, 2006 11:45 AM (20 minutes)

Primary author: Prof. ZHUANG, Pengfei (Tsinghua University)

Presenter: Prof. ZHUANG, Pengfei (Tsinghua University)

Session Classification: Physics at LHC - Working Session

Contribution ID: **60**

Type: **not specified**

Introduction to IN2P3

Monday, December 11, 2006 4:00 PM (30 minutes)

Primary author: Prof. LE DIBERDER, François (CNRS/IN2P3)

Presenter: Prof. LE DIBERDER, François (CNRS/IN2P3)

Session Classification: Welcome Session

Track Classification: Welcome Session

Contribution ID: **61**

Type: **not specified**

Einstein's legacy

Wednesday, December 13, 2006 10:30 AM (1 hour)

Presenter: Prof. CHU, Steven (LBNL)

Session Classification: Physics and Grid at LHC

Contribution ID: **62**

Type: **not specified**

ATLAS Physics Analysis in China

Wednesday, December 13, 2006 12:00 PM (15 minutes)

Presenter: Dr LU, FENG (IHEP)

Session Classification: Physics and Grid at LHC

Contribution ID: **63**

Type: **not specified**

French Scientific Counselor presentation

Monday, December 11, 2006 4:50 PM (20 minutes)

Primary author: Prof. BELLOC, Bernard (Scientific Counsselor at the French Embassy)

Presenter: Prof. BELLOC, Bernard (Scientific Counsselor at the French Embassy)

Session Classification: Welcome Session

Contribution ID: **64**

Type: **not specified**

Chinese Officials intervention

Monday, December 11, 2006 4:30 PM (20 minutes)

Session Classification: Welcome Session

Contribution ID: 65

Type: **not specified**

Particule Physics at the French Atomic Energy Commission

Monday, December 11, 2006 5:10 PM (20 minutes)

Primary author: Dr MANSOULIE, Bruno (Director of Particle Physics Service at CEA/DAPNIA)

Presenter: Dr MANSOULIE, Bruno (Director of Particle Physics Service at CEA/DAPNIA)

Session Classification: Welcome Session

Contribution ID: **66**

Type: **not specified**

CMS and the SLHC upgrade

Tuesday, December 12, 2006 4:40 PM (20 minutes)

Primary author: Dr CONTARDO, didier (CNRS/IN2P3)

Presenter: Dr CONTARDO, didier (CNRS/IN2P3)

Session Classification: LHC Environment Status

Track Classification: LHC Environment Status

Contribution ID: 67

Type: **not specified**

CMS physics analysis in China

Wednesday, December 13, 2006 12:45 PM (15 minutes)

Primary author: Prof. CHEN, Guoming (IHEP, CAS)

Presenter: Prof. CHEN, Guoming (IHEP, CAS)

Session Classification: Physics and Grid at LHC

Contribution ID: **68**

Type: **not specified**

Network Tuning between China and Europe

Wednesday, December 13, 2006 1:00 PM (15 minutes)

Primary author: CNIC

Session Classification: Physics and Grid at LHC