

HARD PROBES 2004

Report of Contributions

Contribution ID: 1

Type: **not specified**

Hard probes of nuclear collisions

Thursday 4 November 2004 09:00 (1 hour)

Author: , Bernd Mueller

Presenter: , Bernd Mueller

Session Classification: School Day

Contribution ID: 2

Type: **not specified**

Critical behaviour in QCD

Thursday 4 November 2004 10:30 (1 hour)

Author: , Helmut Satz

Presenter: , Helmut Satz

Session Classification: School Day

Contribution ID: 3

Type: **not specified**

The Color Glass Condensate

Thursday 4 November 2004 11:30 (1 hour)

Author: MCLERRAN, Larry

Presenter: MCLERRAN, Larry

Session Classification: School Day

Contribution ID: 4

Type: **not specified**

Jets and QCD

Thursday 4 November 2004 14:00 (1 hour)

Author: , Rolf Baier

Presenter: , Rolf Baier

Session Classification: School Day

Contribution ID: 5

Type: **not specified**

Hard probe measurements at RHIC

Thursday 4 November 2004 15:30 (1 hour)

Author: BUSZA, Wit

Presenter: BUSZA, Wit

Session Classification: School Day

Contribution ID: 6

Type: **not specified**

Measuring dimuons, quarkonia and heavy flavors

Thursday 4 November 2004 16:30 (1 hour)

Author: LOURENCO, Carlos

Presenter: LOURENCO, Carlos

Session Classification: School Day

Contribution ID: 7

Type: **not specified**

Dilepton and photon production: perturbative vs. lattice QCD

Tuesday 9 November 2004 09:00 (45 minutes)

Author: , Jean-Paul Blaizot

Presenter: , Jean-Paul Blaizot

Session Classification: Electromagnetic Probes

Contribution ID: 8

Type: **not specified**

Di-electron production from p-Be to Pb-Au at the SPS

Tuesday 9 November 2004 14:15 (30 minutes)

Author: APPELSHAEUSER, Harald (CERES)

Presenter: APPELSHAEUSER, Harald (CERES)

Session Classification: Electromagnetic Probes

Contribution ID: 9

Type: **not specified**

Low mass dilepton production at RHIC energies

Tuesday 9 November 2004 15:15 (30 minutes)

Author: , Kyoichiro Ozawa (PHENIX)

Presenter: , Kyoichiro Ozawa (PHENIX)

Session Classification: Electromagnetic Probes

Contribution ID: **10**

Type: **not specified**

Probing dense and hot matter with dileptons and photons

Tuesday 9 November 2004 15:45 (30 minutes)

Author: , Itzhak Tserruya

Presenter: , Itzhak Tserruya

Session Classification: Electromagnetic Probes

Contribution ID: 11

Type: **not specified**

Low mass dimuon production in Indium-Indium collisions

Tuesday 9 November 2004 14:45 (30 minutes)

Author: , Gianluca Usai (NA60)

Presenter: , Gianluca Usai (NA60)

Session Classification: Electromagnetic Probes

Contribution ID: 12

Type: **not specified**

In-medium effects on electromagnetic probes

Tuesday 9 November 2004 09:45 (45 minutes)

Author: , Charles Gale

Presenter: , Charles Gale

Session Classification: Electromagnetic Probes

Contribution ID: 13

Type: **not specified**

Saturation effects on dilepton and photon production

Tuesday 9 November 2004 11:00 (30 minutes)

Author: , Rolf Baier

Presenter: , Rolf Baier

Session Classification: Electromagnetic Probes

Contribution ID: 14

Type: **not specified**

Quark number susceptibilities and screening

Tuesday 9 November 2004 11:30 (30 minutes)

Author: , Rajiv Gvai

Presenter: , Rajiv Gvai

Session Classification: Electromagnetic Probes

Contribution ID: 15

Type: **not specified**

Photon production from SPS to RHIC energies

Tuesday 9 November 2004 12:00 (30 minutes)

Author: , Klaus Reygers (PHENIX)

Presenter: , Klaus Reygers (PHENIX)

Session Classification: Electromagnetic Probes

Contribution ID: 16

Type: **not specified**

Low mass dimuon production in proton-nucleus collisions

Tuesday 9 November 2004 12:30 (30 minutes)

Author: , Hermine Woehri (NA60)

Presenter: , Hermine Woehri (NA60)

Session Classification: Electromagnetic Probes

Contribution ID: 17

Type: **not specified**

Present and future of low-x forward physics

Wednesday 10 November 2004 09:00 (30 minutes)

Author: , Leslie Bland

Presenter: , Leslie Bland

Session Classification: Future

Contribution ID: **18**

Type: **not specified**

The future of hard and electromagnetic probes at the SPS

Wednesday 10 November 2004 11:30 (30 minutes)

Author: , Hans J. Specht

Presenter: , Hans J. Specht

Session Classification: Future

Contribution ID: 19

Type: **not specified**

Heavy flavors and quarkonia at the LHC

Wednesday 10 November 2004 09:30 (30 minutes)

Author: CROCHET, Philippe

Presenter: CROCHET, Philippe

Session Classification: Future

Contribution ID: 20

Type: **not specified**

Jet physics in nuclear collisions at the LHC

Wednesday 10 November 2004 10:00 (30 minutes)

Author: WYSLOUCH, Bolek

Presenter: WYSLOUCH, Bolek

Session Classification: Future

Contribution ID: 21

Type: **not specified**

The future of hard and electromagnetic probes at RHIC

Wednesday 10 November 2004 11:00 (30 minutes)

Author: , John Harris

Presenter: , John Harris

Session Classification: Future

Contribution ID: 22

Type: **not specified**

The future of Lattice QCD calculations for Heavy Ion collisions

Wednesday 10 November 2004 12:00 (30 minutes)

Author: KARSCH, Frithjof

Presenter: KARSCH, Frithjof

Session Classification: Future

Contribution ID: 23

Type: **not specified**

"Naked" Cronin effect at 62 GeV in absence of QGP

Monday 8 November 2004 16:30 (20 minutes)

Author: ACCARDI, Alberto (Unknown)

Presenter: ACCARDI, Alberto (Unknown)

Session Classification: Parallel Session 2A

Contribution ID: 24

Type: **not specified**

Open charm tomography of the sQGP

Monday 8 November 2004 17:10 (20 minutes)

Author: , Magdalena Djordjevic

Presenter: , Magdalena Djordjevic

Session Classification: Parallel Session 2A

Contribution ID: 25

Type: **not specified**

Quarkonium production and attenuation in high energy p-A collisions

Monday 8 November 2004 17:50 (20 minutes)

Author: , Hirotsugu Fujii

Presenter: , Hirotsugu Fujii

Session Classification: Parallel Session 2A

Contribution ID: 26

Type: **not specified**

The normal nuclear absorption of J/ψ production

Monday 8 November 2004 18:30 (20 minutes)

Author: BORGES, Goncalo (NA50)

Presenter: BORGES, Goncalo (NA50)

Session Classification: Parallel Session 2A

Contribution ID: 27

Type: **not specified**

Open and hidden charm production in d-A and A-A collisions

Monday 8 November 2004 17:30 (20 minutes)

Author: , Tuchin, K

Presenter: , Tuchin, K

Session Classification: Parallel Session 2A

Contribution ID: 28

Type: **not specified**

D meson production in dense nuclear matter

Monday 8 November 2004 16:50 (20 minutes)

Author: , Laura Tolos

Presenter: , Laura Tolos

Session Classification: Parallel Session 2A

Contribution ID: 29

Type: **not specified**

Quarkonia production in p-A collisions

Monday 8 November 2004 18:10 (20 minutes)

Author: , Mike Leitch

Presenter: , Mike Leitch

Session Classification: Parallel Session 2A

Contribution ID: **30**

Type: **not specified**

Hard scattering and jets from pp to Au-Au collisions

Monday 8 November 2004 16:30 (20 minutes)

Author: , Michael Tannenbaum

Presenter: , Michael Tannenbaum

Session Classification: Parallel Session 2B

Contribution ID: 31

Type: **not specified**

Semihard scattering unraveled from collective dynamics at the SPS

Monday 8 November 2004 16:50 (20 minutes)

Author: , Jana Bielcikova (CERES)

Presenter: , Jana Bielcikova (CERES)

Session Classification: Parallel Session 2B

Contribution ID: 32

Type: **not specified**

Flow effects on jet profiles and multiplicities

Monday 8 November 2004 17:10 (20 minutes)

Author: , Armesto, N.

Presenter: , Armesto, N.

Session Classification: Parallel Session 2B

Contribution ID: 33

Type: **not specified**

Inclusive $\pi^{>0}$ spectra at high transverse momentum in d-Au collisions

Monday 8 November 2004 17:30 (20 minutes)

Author: MISCHKE, Andre (STAR)

Presenter: MISCHKE, Andre (STAR)

Session Classification: Parallel Session 2B

Contribution ID: 34

Type: **not specified**

Jet physics at the LHC with ALICE

Monday 8 November 2004 18:30 (20 minutes)

Author: MORSCH, Andreas (ALICE)

Presenter: MORSCH, Andreas (ALICE)

Session Classification: Parallel Session 2B

Contribution ID: 35

Type: **not specified**

Can Φ mesons give an answer to the baryon puzzle at RHIC?

Monday 8 November 2004 18:10 (20 minutes)

Author: , Julia Velkovska (PHENIX)

Presenter: , Julia Velkovska (PHENIX)

Session Classification: Parallel Session 2B

Contribution ID: 36

Type: **not specified**

Dihadron fragmentation: in vacuum and in matter

Monday 8 November 2004 17:50 (20 minutes)

Author: , Abhijit Majumder

Presenter: , Abhijit Majumder

Session Classification: Parallel Session 2B

Contribution ID: 37

Type: **not specified**

Opening

Friday 5 November 2004 09:00 (30 minutes)

Session Classification: Opening Session

Contribution ID: **38**

Type: **not specified**

The QCD phase diagram

Friday 5 November 2004 09:30 (1 hour)

Author: , Krishna Rajagopal

Presenter: , Krishna Rajagopal

Session Classification: Opening Session

Contribution ID: 39

Type: **not specified**

Parton evolution and saturation in DIS

Friday 5 November 2004 11:00 (45 minutes)

Author: , Jochen Bartels

Presenter: , Jochen Bartels

Session Classification: Opening Session

Contribution ID: 40

Type: **not specified**

Parton saturation and color glass condensate

Friday 5 November 2004 11:45 (45 minutes)

Author: , Raju Venugopalan

Presenter: , Raju Venugopalan

Session Classification: Opening Session

Contribution ID: 41

Type: **not specified**

String and parton percolation

Friday 5 November 2004 12:30 (45 minutes)

Author: , Carlos Pajares

Presenter: , Carlos Pajares

Session Classification: Opening Session

Contribution ID: 42

Type: **not specified**

Deconfinement and quarkonium suppression

Friday 5 November 2004 14:30 (1 hour)

Author: KARSCH, Frithjof

Presenter: KARSCH, Frithjof

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 43

Type: **not specified**

Charmonium suppression at the SPS

Friday 5 November 2004 15:30 (1 hour)

Author: KLUBERG, Louis

Presenter: KLUBERG, Louis

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 44

Type: **not specified**

Quarkonium production from d-Au to Au-Au

Friday 5 November 2004 17:00 (30 minutes)

Author: , Marzia Rosati (PHENIX)

Presenter: , Marzia Rosati (PHENIX)

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 45

Type: **not specified**

Charm, beauty and quarkonia through electron measurements

Friday 5 November 2004 17:30 (30 minutes)

Author: , Alexandre Suaide (STAR)

Presenter: , Alexandre Suaide (STAR)

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 46

Type: **not specified**

Charm, beauty and charmonium production at HERA-B

Friday 5 November 2004 18:00 (30 minutes)

Author: , Antonio Zoccoli (HERA-B)

Presenter: , Antonio Zoccoli (HERA-B)

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 47

Type: **not specified**

J/ ψ production in Indium-Indium collisions

Friday 5 November 2004 18:30 (30 minutes)

Author: ARNALDI, Roberta (NA60)

Presenter: ARNALDI, Roberta (NA60)

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 48

Type: **not specified**

Status and perspectives of electromagnetic probes

Wednesday 10 November 2004 15:20 (40 minutes)

Author: , Axel Drees

Presenter: , Axel Drees

Session Classification: Conclusions

Contribution ID: 49

Type: **not specified**

Status and perspectives of jets and high- p_T physics

Wednesday 10 November 2004 14:40 (40 minutes)

Author: JACOBS, Peter

Presenter: JACOBS, Peter

Session Classification: Conclusions

Contribution ID: 50

Type: **not specified**

Status and perspectives of quarkonia and heavy flavors

Wednesday 10 November 2004 14:00 (40 minutes)

Author: , Enrico Scomparin

Presenter: , Enrico Scomparin

Session Classification: Conclusions

Contribution ID: 51

Type: **not specified**

Theory summary

Wednesday 10 November 2004 16:30 (1 hour)

Author: , Dima Kharzeev

Presenter: , Dima Kharzeev

Session Classification: Conclusions

Contribution ID: 52

Type: **not specified**

Closing

Wednesday 10 November 2004 17:30 (15 minutes)

Session Classification: Conclusions

Contribution ID: 53

Type: **not specified**

In-medium spectral functions in lattice QCD

Saturday 6 November 2004 09:40 (30 minutes)

Author: , Tetsuo Hatsuda

Presenter: , Tetsuo Hatsuda

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 54

Type: **not specified**

Heavy flavor production in PHENIX

Saturday 6 November 2004 14:30 (30 minutes)

Author: DRAPIER, Olivier (PHENIX)

Presenter: DRAPIER, Olivier (PHENIX)

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 55

Type: **not specified**

D meson production from d-Au to Au-Au

Saturday 6 November 2004 15:00 (30 minutes)

Author: , Manuel Calderon (STAR)

Presenter: , Manuel Calderon (STAR)

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 56

Type: **not specified**

A first look at charm production in Indium-Indium collisions

Saturday 6 November 2004 15:30 (30 minutes)

Author: , Ruben Shahoyan (NA60)

Presenter: , Ruben Shahoyan (NA60)

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 57

Type: **not specified**

Open and hidden heavy-flavor production in pp and d-Au collisions

Saturday 6 November 2004 16:00 (30 minutes)

Author: , Ramona Vogt

Presenter: , Ramona Vogt

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 58

Type: **not specified**

Heavy flavor production in pQCD: theory vs. data

Saturday 6 November 2004 09:00 (40 minutes)

Author: FRIXIONE, Stefano

Presenter: FRIXIONE, Stefano

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 59

Type: **not specified**

Heavy quark potentials and quarkonium binding

Saturday 6 November 2004 10:10 (30 minutes)

Author: , Peter Petreczky

Presenter: , Peter Petreczky

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 60

Type: **not specified**

The QGP just above T_c

Saturday 6 November 2004 11:10 (40 minutes)

Author: , Edward Shuryak

Presenter: , Edward Shuryak

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 61

Type: **not specified**

Charmonium suppression by percolation and thermal dissociation

Saturday 6 November 2004 11:50 (30 minutes)

Author: LUNARDI, Valter

Presenter: LUNARDI, Valter

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 62

Type: **not specified**

Quark coalescence and charm production

Saturday 6 November 2004 12:20 (30 minutes)

Author: , Ralf Rapp

Presenter: , Ralf Rapp

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 63

Type: **not specified**

Statistical production and recombination of quarkonia

Saturday 6 November 2004 14:00 (30 minutes)

Author: , Bob Thews

Presenter: , Bob Thews

Session Classification: Quarkonia and Heavy Flavors

Contribution ID: 64

Type: **not specified**

Static quark anti-quark free energy and the running coupling at finite temperature

Saturday 6 November 2004 17:00 (20 minutes)

Author: , Felix Zantow

Presenter: , Felix Zantow

Session Classification: Parallel Session 1A

Contribution ID: 65

Type: **not specified**

Quarkonium correlators and spectral functions at zero and finite temperature from Fermilab action

Saturday 6 November 2004 17:20 (20 minutes)

Author: , Konstantin Petrov

Presenter: , Konstantin Petrov

Session Classification: Parallel Session 1A

Contribution ID: **66**

Type: **not specified**

Static quark anti-quark free energy in full QCD

Saturday 6 November 2004 17:40 (20 minutes)

Author: , Olaf Kaczmarek

Presenter: , Olaf Kaczmarek

Session Classification: Parallel Session 1A

Contribution ID: 67

Type: **not specified**

Heavy quark potentials in finite temperature QCD

Saturday 6 November 2004 18:00 (20 minutes)

Author: , Sanatan Digal

Presenter: , Sanatan Digal

Session Classification: Parallel Session 1A

Contribution ID: **68**

Type: **not specified**

Dissociation rates for heavy quarkonia

Saturday 6 November 2004 18:40 (20 minutes)

Author: , David Blaschke

Presenter: , David Blaschke

Session Classification: Parallel Session 1A

Contribution ID: **69**

Type: **not specified**

Heavy quarkonia survival in potential model

Saturday 6 November 2004 18:20 (20 minutes)

Author: , Agnes Mocsy

Presenter: , Agnes Mocsy

Session Classification: Parallel Session 1A

Contribution ID: 70

Type: **not specified**

Relating lepton-nucleus, proton-nucleus and nucleus-nucleus data through geometric scaling

Saturday 6 November 2004 17:00 (20 minutes)

Author: , Carlos Salgado

Presenter: , Carlos Salgado

Session Classification: Parallel Session 1B

Contribution ID: 71

Type: **not specified**

Asymptotic behaviour of the saturation scale in non-linear QCD evolution

Saturday 6 November 2004 17:20 (20 minutes)

Author: , Guilherme Milhano

Presenter: , Guilherme Milhano

Session Classification: Parallel Session 1B

Contribution ID: 72

Type: **not specified**

Proton-nucleus collisions in the Color Glass Condensate framework

Saturday 6 November 2004 17:40 (20 minutes)

Author: , Francois Gelis

Presenter: , Francois Gelis

Session Classification: Parallel Session 1B

Contribution ID: 73

Type: **not specified**

Particle production in proton-nucleus collisions in the CGC formalism

Saturday 6 November 2004 18:00 (20 minutes)

Author: , Jamal Jalilian-Marian

Presenter: , Jamal Jalilian-Marian

Session Classification: Parallel Session 1B

Contribution ID: 74

Type: **not specified**

Suppression of low p_T dilepton production as evidence of the CGC

Saturday 6 November 2004 18:20 (20 minutes)

Author: , Beatriz Gay Ducati

Presenter: , Beatriz Gay Ducati

Session Classification: Parallel Session 1B

Contribution ID: 75

Type: **not specified**

From classical to quantum saturation in the nuclear wave-function

Saturday 6 November 2004 18:40 (20 minutes)

Author: , Dionysis Triantafyllopoulos

Presenter: , Dionysis Triantafyllopoulos

Session Classification: Parallel Session 1B

Contribution ID: 76

Type: **not specified**

Jet quenching versus energy and from pp to Au-Au

Sunday 7 November 2004 14:30 (30 minutes)

Author: , Carl Gagliardi (STAR)

Presenter: , Carl Gagliardi (STAR)

Session Classification: Jets and High-pT Physics

Contribution ID: 77

Type: **not specified**

Jet production in pQCD: theory vs. data

Sunday 7 November 2004 16:30 (45 minutes)

Author: , George Sterman

Presenter: , George Sterman

Session Classification: Jets and High-pT Physics

Contribution ID: 78

Type: **not specified**

Jets and high- p_T physics from PHENIX

Sunday 7 November 2004 15:00 (30 minutes)

Author: , Brian Cole (PHENIX)

Presenter: , Brian Cole (PHENIX)

Session Classification: Jets and High- p_T Physics

Contribution ID: 79

Type: **not specified**

Summary of high- p_T physics with PHOBOS

Sunday 7 November 2004 15:30 (30 minutes)

Author: , Gunther Roland (PHOBOS)

Presenter: , Gunther Roland (PHOBOS)

Session Classification: Jets and High- p_T Physics

Contribution ID: 80

Type: **not specified**

Rescattering effects in p-nucleus and heavy-ion collisions

Sunday 7 November 2004 17:10 (45 minutes)

Author: , Qiu, J

Presenter: , Qiu, J

Session Classification: Jets and High-pT Physics

Contribution ID: **81**

Type: **not specified**

Recent advances in the CGC

Sunday 7 November 2004 17:55 (30 minutes)

Author: , Edmond Iancu

Presenter: , Edmond Iancu

Session Classification: Jets and High-pT Physics

Contribution ID: 82

Type: **not specified**

High- p_T particle suppression in nucleus-nucleus collisions from SPS to RHIC

Sunday 7 November 2004 18:25 (30 minutes)

Author: , David d'Enterria

Presenter: , David d'Enterria

Session Classification: Jets and High- p_T Physics

Contribution ID: **83**

Type: **not specified**

Medium effects on jets and their energy dependence

Monday 8 November 2004 09:00 (30 minutes)

Author: , Henner Buesching (PHENIX)

Presenter: , Henner Buesching (PHENIX)

Session Classification: Jets and High-pT Physics

Contribution ID: **84**

Type: **not specified**

Parton recombination at all $p_{\text{sub}}T_{\text{sub}}$

Monday 8 November 2004 15:00 (30 minutes)

Author: HWA, Rudy (Unknown)

Presenter: HWA, Rudy (Unknown)

Session Classification: Jets and High- p_T Physics

Contribution ID: 85

Type: **not specified**

Jet fragmentation and baryon production

Monday 8 November 2004 15:30 (30 minutes)

Author: , Barbara Jacak (PHENIX)

Presenter: , Barbara Jacak (PHENIX)

Session Classification: Jets and High-pT Physics

Contribution ID: **86**

Type: **not specified**

Jet suppression in a percolation model

Monday 8 November 2004 12:20 (40 minutes)

Author: JORGE DIAS DE DEUS

Presenter: JORGE DIAS DE DEUS

Session Classification: Jets and High-pT Physics

Contribution ID: 87

Type: **not specified**

Learning about jet physics from high- p_T correlations

Monday 8 November 2004 09:30 (30 minutes)

Author: , Dan Magestro (STAR)

Presenter: , Dan Magestro (STAR)

Session Classification: Jets and High- p_T Physics

Contribution ID: **88**

Type: **not specified**

High- p_T in the forward region with BRAHMS

Monday 8 November 2004 10:00 (30 minutes)

Author: GAARDHOJE, Jens-Jorgen (BRAHMS)

Presenter: GAARDHOJE, Jens-Jorgen (BRAHMS)

Session Classification: Jets and High- p_T Physics

Contribution ID: 89

Type: **not specified**

Hard scattering, small x gluons and p_{T} behavior

Monday 8 November 2004 11:00 (40 minutes)

Author: , Al Mueller

Presenter: , Al Mueller

Session Classification: Jets and High- p_{T} Physics

Contribution ID: **90**

Type: **not specified**

Parton energy loss

Monday 8 November 2004 11:40 (40 minutes)

Author: WIEDEMANN, Urs

Presenter: WIEDEMANN, Urs

Session Classification: Jets and High-pT Physics

Contribution ID: 91

Type: **not specified**

Quenching of hadronic spectra

Monday 8 November 2004 14:15 (45 minutes)

Author: , Xin-Nian Wang

Presenter: , Xin-Nian Wang

Session Classification: Jets and High-pT Physics