

QWG 2011 - 8th International Workshop on Heavy Quarkonium



Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome by the Local Organizers

Tuesday, 4 October 2011 08:45 (10 minutes)

Presenter: PETERS, Klaus

Session Classification: Welcome Session

Contribution ID: 1

Type: **not specified**

Welcome by GSI Director

Tuesday, 4 October 2011 08:55 (10 minutes)

Presenter: STÖCKER, Horst

Session Classification: Welcome Session

Contribution ID: 2

Type: **not specified**

Status of FAIR

Tuesday, 4 October 2011 09:05 (30 minutes)

Presenter: SCHMITT, Lars

Session Classification: Welcome Session

Contribution ID: 3

Type: **not specified**

Charmonium production in pp collisions at 7TeV with the CMS experiment

Tuesday, 4 October 2011 09:35 (20 minutes)

Presenter: FANFANI, Alessandra

Session Classification: Production 1

Contribution ID: 4

Type: **not specified**

Bottonium production in pp collisions at 7 TeV with the CMS experiment

Tuesday, 4 October 2011 09:55 (20 minutes)

Presenter: PERIEANU, Adrian

Session Classification: Production 1

Contribution ID: 5

Type: **not specified**

Factorization and Quarkonium production

Tuesday, 4 October 2011 10:15 (25 minutes)

Presenter: QIU, Jianwei

Session Classification: Production 1

Contribution ID: 6

Type: **not specified**

Central exclusive quarkonium production in hadron colliders

Tuesday, 4 October 2011 10:40 (25 minutes)

Presenter: HARLAND-LANG, Lucian

Session Classification: Production 1

Contribution ID: 7

Type: **not specified**

Double quarkonium production in hadron colliders from the perspective of NRQCD

Tuesday, 4 October 2011 11:35 (20 minutes)

Presenter: YU, Chaehyun

Session Classification: Production 2

Contribution ID: 8

Type: **not specified**

Uncertainty in the theoretical prediction for the polarization of heavy quarkonium produced at the LHC

Tuesday, 4 October 2011 11:55 (20 minutes)

Presenter: WANG, Jian-Xiong

Session Classification: Production 2

Contribution ID: 9

Type: **not specified**

Jpsi production + polarisation + double charm production at LHCb

Tuesday, 4 October 2011 12:15 (25 minutes)

Presenter: FROSINI, Maddalena

Session Classification: Production 2

Contribution ID: **10**

Type: **not specified**

Cross Section measurements for $Y(nS)$, $\psi(2S)$, χ_c and χ_b at LHCb

Tuesday, 4 October 2011 12:40 (25 minutes)

Presenter: KERZEL, Ulrich

Session Classification: Production 2

Contribution ID: 11

Type: **not specified**

J/psi production in pp collisions in the ALICE experiment

Tuesday, 4 October 2011 14:05 (25 minutes)

Presenter: BIANCHI, Livio

Session Classification: Production 3

Contribution ID: 12

Type: **not specified**

NLO calculations of heavy quarkonia production at hadron colliders

Tuesday, 4 October 2011 14:30 (20 minutes)

Presenter: MA, Yan-Qing

Session Classification: Production 3

Contribution ID: 13

Type: **not specified**

Global NLO analysis of J/psi production with NRQCD

Tuesday, 4 October 2011 14:50 (20 minutes)

Presenter: BUTENSCHOEN, Mathias

Session Classification: Production 3

Contribution ID: 14

Type: **not specified**

Y polarization - CDF

Tuesday, 4 October 2011 15:20 (25 minutes)

Presenter: JONES, Matthew

Session Classification: Production 3

Contribution ID: 15

Type: **not specified**

Measurement of cross sections of J/psi and upsilon in ATLAS

Tuesday, 4 October 2011 15:45 (25 minutes)

Presenter: BIGLIETTI, Michela

Session Classification: Production 3

Contribution ID: 16

Type: **not specified**

An introduction to k_t -factorization and how it works in CASCADE; k_t -factorization vs the collinear scheme in double J/ψ production

Tuesday, 4 October 2011 16:30 (30 minutes)

Presenter: BARANOV, Sergey

Session Classification: Production/Media

Contribution ID: 17

Type: **not specified**

Production of Triply Heavy Baryons

Tuesday, 4 October 2011 17:00 (20 minutes)

Presenter: CHEN, Yu Qi

Session Classification: Production/Media

Contribution ID: **18**

Type: **not specified**

The PHENIX in-medium quarkonia program

Tuesday, 4 October 2011 17:20 (25 minutes)

Presenter: FRAWLEY, Anthony D.

Session Classification: Production/Media

Contribution ID: 19

Type: **not specified**

The impact parameter dependence of shadowing

Tuesday, 4 October 2011 17:45 (20 minutes)

Presenter: MCGLINCHLEY, Darren

Session Classification: Production/Media

Contribution ID: 20

Type: **not specified**

Latest Quarkonium results from HERA

Tuesday, 4 October 2011 18:05 (25 minutes)

Presenter: BERTOLIN, Alessandro

Session Classification: Production/Media

Contribution ID: 21

Type: **not specified**

Status of PANDA

Wednesday, 5 October 2011 08:55 (25 minutes)

Presenter: RITMAN, James

Session Classification: Spectroscopy 1

Contribution ID: 22

Type: **not specified**

Highlights from CLEO

Wednesday, 5 October 2011 09:20 (25 minutes)

Presenter: MITCHELL, Ryan

Session Classification: Spectroscopy 1

Contribution ID: 23

Type: **not specified**

Observation of the h_b and h_b' at Belle and the Z_b 's

Wednesday, 5 October 2011 09:45 (25 minutes)

Presenter: MIZUK, Roman

Session Classification: Spectroscopy 1

Contribution ID: 24

Type: **not specified**

Bound state nature of the exotic Z_b states

Wednesday, 5 October 2011 10:10 (20 minutes)

Presenters: GUO, Feng-kun; MEISSNER, Ulf

Session Classification: Spectroscopy 1

Contribution ID: 25

Type: **not specified**

Properties of the η_b and h_b at BaBar

Wednesday, 5 October 2011 10:30 (20 minutes)

Presenter: PATRIGNANI, Claudia

Session Classification: Spectroscopy 1

Contribution ID: 26

Type: **not specified**

Hot Topics from Belle

Wednesday, 5 October 2011 10:50 (20 minutes)

Presenter: MIZUK, Roman

Session Classification: Spectroscopy 1

Contribution ID: 27

Type: **not specified**

Charmonium spectroscopy on Nf=2+1 isotropic lattices

Wednesday, 5 October 2011 11:30 (20 minutes)

Presenter: MCNEILE, Craig

Session Classification: Spectroscopy 2

Contribution ID: 28

Type: **not specified**

Charmonium spectroscopy on $N_f=2+1$ anisotropic lattices

Wednesday, 5 October 2011 11:50 (20 minutes)

Presenter: RYAN, Sinead

Session Classification: Spectroscopy 2

Contribution ID: 29

Type: **not specified**

The discrete contribution to ψ' -> $J/\psi + \gamma$ γ

Wednesday, 5 October 2011 12:10 (25 minutes)

Presenter: HE, Zhi-Guo

Session Classification: Spectroscopy 2

Contribution ID: **30**

Type: **not specified**

Spectroscopy at BESIII

Wednesday, 5 October 2011 12:35 (20 minutes)

Presenter: LIU, Hu

Session Classification: Spectroscopy 2

Contribution ID: **31**

Type: **not specified**

NRQCD spectrum with improved NRQCD matching coefficients

Wednesday, 5 October 2011 14:00 (20 minutes)

Presenter: DOWDALL, Rachel

Session Classification: Spectroscopy 3

Contribution ID: 32

Type: **not specified**

Spectroscopy of the XYZ states at Belle

Wednesday, 5 October 2011 14:20 (20 minutes)

Presenter: YABSLEY, Bruce

Session Classification: Spectroscopy 3

Contribution ID: 33

Type: **not specified**

Spectroscopy of the XYZ states at BaBar

Wednesday, 5 October 2011 14:40 (25 minutes)

Presenter: PALANO, Antimo

Session Classification: Spectroscopy 3

Contribution ID: **34**

Type: **not specified**

X(3872)

Wednesday, 5 October 2011 15:05 (20 minutes)

Presenter: SABELLI, Chiara

Session Classification: Spectroscopy 3

Contribution ID: 35

Type: **not specified**

Simulation results for a resonance scan of the X(3872) at Panda

Wednesday, 5 October 2011 15:25 (20 minutes)

Presenter: GALUSKA, Martin

Session Classification: Spectroscopy 3

Contribution ID: 36

Type: **not specified**

XYZ, mass and cross section at LHCb

Wednesday, 5 October 2011 15:45 (25 minutes)

Presenter: NEEDHAM, Matthew D.

Session Classification: Spectroscopy 3

Contribution ID: 37

Type: **not specified**

Interplay of quark and meson degrees of freedom in a near-threshold resonance

Wednesday, 5 October 2011 17:10 (20 minutes)

Presenter: NEFEDIEV, Alexey

Session Classification: Spectroscopy/Decay 1

Contribution ID: **38**

Type: **not specified**

Heavy exotics in heavy ion collisions

Wednesday, 5 October 2011 18:10 (20 minutes)

Presenter: CHO, Sungtae

Session Classification: Spectroscopy/Decay 1

Contribution ID: 39

Type: **not specified**

Properties of the J/ψ , $\psi(2S)$, and $\psi(3770)$ at KEDR

Friday, 7 October 2011 11:50 (25 minutes)

Presenter: EIDELMAN, Simon

Session Classification: Decay 1

Contribution ID: 40

Type: **not specified**

Interaction energies between static-light mesons

Wednesday, 5 October 2011 17:30 (20 minutes)

Presenter: WAGNER, Marc

Session Classification: Spectroscopy/Decay 1

Contribution ID: 41

Type: **not specified**

Interquark potentials

Wednesday, 5 October 2011 17:50 (20 minutes)

Presenter: IKEDA, Yoichi

Session Classification: Spectroscopy/Decay 1

Contribution ID: 42

Type: **not specified**

CDF Bc lifetime

Thursday, 6 October 2011 11:30 (20 minutes)

Presenter: SONG, Hao

Session Classification: Standard Model/Spectroscopy/Decay/Production

Contribution ID: 43

Type: **not specified**

New Physics searches in quarkonium decays - theory

Thursday, 6 October 2011 08:45 (30 minutes)

Presenter: SANCHIS LOZANO, Miguel Angel

Session Classification: Beyond Standard Model

Contribution ID: 44

Type: **not specified**

New Physics searches in quarkonium decays - experimental

Thursday, 6 October 2011 09:15 (30 minutes)

Presenter: FULSOM, Bryan

Session Classification: Beyond Standard Model

Contribution ID: 45

Type: **not specified**

Light dark matter and U bosons in quarkonium decays

Thursday, 6 October 2011 09:45 (30 minutes)

Presenter: FAYET, Pierre

Session Classification: Beyond Standard Model

Contribution ID: 46

Type: **not specified**

Bound states and SUSY

Thursday, 6 October 2011 10:15 (30 minutes)

Presenter: BLECHMAN, Andrew

Session Classification: Beyond Standard Model

Contribution ID: 47

Type: **not specified**

Two-photon physics at BaBar

Friday, 7 October 2011 08:45 (20 minutes)

Presenter: BIASSONI, Pietro

Session Classification: Decay/Spectroscopy 2

Contribution ID: 48

Type: **not specified**

Heavy quark-antiquark threshold at NNL

Thursday, 6 October 2011 10:45 (20 minutes)

Presenter: STAHLHOFEN, M.

Session Classification: Standard Model/Spectroscopy/Decay/Production

Contribution ID: 49

Type: **not specified**

Bc mass and cross section

Thursday, 6 October 2011 11:50 (25 minutes)

Presenter: HE, Jibo

Session Classification: Standard Model/Spectroscopy/Decay/Production

Contribution ID: 50

Type: **not specified**

Bottomonium above deconfinement in lattice nonrelativistic QCD

Thursday, 6 October 2011 12:15 (20 minutes)

Presenter: LOMBARDO, M.P.

Session Classification: Media 1

Contribution ID: 51

Type: **not specified**

Super B

Friday, 7 October 2011 18:10 (20 minutes)

Presenter: MANONI, Elisa

Session Classification: Future opportunities

Contribution ID: 52

Type: **not specified**

Lattice QCD and quarkonium at $T>0$

Thursday, 6 October 2011 17:30 (20 minutes)

Presenter: KACZMAREK, Olaf

Session Classification: Media 3

Contribution ID: 53

Type: **not specified**

Results from ALICE

Thursday, 6 October 2011 14:30 (25 minutes)

Presenter: MARTINEZ, Gines

Session Classification: Media 2

Contribution ID: 54

Type: **not specified**

A non-perturbative look at heavy quark diffusion

Thursday, 6 October 2011 14:55 (20 minutes)

Presenter: LAINE, Mikko

Session Classification: Media 2

Contribution ID: 55

Type: **not specified**

EFT calculation of the gluon dissociation and charm dissociation cross section

Thursday, 6 October 2011 15:15 (20 minutes)

Presenter: ESCOBEDO, M.

Session Classification: Media 2

Contribution ID: 56

Type: **not specified**

Quarkonium in a moving thermal bath

Thursday, 6 October 2011 15:35 (20 minutes)

Presenter: SOTO, Joan

Session Classification: Media 2

Contribution ID: 57

Type: **not specified**

Results from ATLAS

Thursday, 6 October 2011 16:20 (25 minutes)

Presenter: GRABOWSKA-BOLD, Iwona

Session Classification: Media 3

Contribution ID: 58

Type: **not specified**

J/psi and Upsilon production in Au+Au collisions at STAR

Thursday, 6 October 2011 16:45 (25 minutes)

Presenter: REED, Rosi

Session Classification: Media 3

Contribution ID: 59

Type: **not specified**

Sum rules for quarkonium at $T>0$

Thursday, 6 October 2011 17:10 (20 minutes)

Presenter: MORITA, Kenji

Session Classification: Media 3

Contribution ID: **60**

Type: **not specified**

Charmonium production in statistical models

Thursday, 6 October 2011 14:10 (20 minutes)

Presenter: STACHEL, J.

Session Classification: Media 2

Contribution ID: **61**

Type: **not specified**

Spatial charmonium correlators at $T>0$ in 2+f QCD

Thursday, 6 October 2011 17:50 (20 minutes)

Presenter: PETRECZKY, P.

Session Classification: Media 3

Contribution ID: 62

Type: **not specified**

Round table on Quarkonium Suppression (Chair: N. Brambilla; Participants: M. Laine, M. Lombardo, K. Morita, P. Petreczky, J. Soto)

Thursday, 6 October 2011 18:10 (30 minutes)

Session Classification: Media 3

Contribution ID: 63

Type: **not specified**

The status of pion transitions in quarkonium decays

Wednesday, 5 October 2011 16:30 (20 minutes)

Presenter: EICHTEN, Estia

Session Classification: Spectroscopy/Decay 1

Contribution ID: 64

Type: **not specified**

Bottomonium decays at Babar

Friday, 7 October 2011 09:45 (20 minutes)

Presenter: KIM, Peter

Session Classification: Decay/Spectroscopy 2

Contribution ID: 65

Type: **not specified**

Effective field theory for electromagnetic transitions of heavy quarkonium

Friday, 7 October 2011 09:25 (20 minutes)

Presenter: PIETRULEWICZ, Piotr

Session Classification: Decay/Spectroscopy 2

Contribution ID: 66

Type: **not specified**

BES: J/ψ , ψ' , and ψ'' decays

Friday, 7 October 2011 11:30 (20 minutes)

Presenter: LI, Gang

Session Classification: Decay 1

Contribution ID: 67

Type: **not specified**

Dipion and tripion invariant mass spectra in X(3872) → J/psi pi pi (pi) within chiral lagrangian approach

Wednesday, 5 October 2011 16:50 (20 minutes)

Presenter: KO, Pyungwon

Session Classification: Spectroscopy/Decay 1

Contribution ID: **68**

Type: **not specified**

Bottomonium decays at Belle (Upsilon decays)

Friday, 7 October 2011 10:05 (20 minutes)

Presenter: WANG, XiaoLong

Session Classification: Decay/Spectroscopy 2

Contribution ID: **69**

Type: **not specified**

Frank-Condon principle in excited Heavy Quarkonia

Friday, 7 October 2011 13:55 (20 minutes)

Presenter: TORRES RINCON, J.

Session Classification: Decay / Standard Model

Contribution ID: 70

Type: **not specified**

BES: χ_{cJ}/η_c decays

Friday, 7 October 2011 12:15 (20 minutes)

Presenter: ZHONG, Jan

Session Classification: Decay 1

Contribution ID: 71

Type: **not specified**

$O(\alpha_s v^2)$ Corrections to Hadronic and Electromagnetic Decays of $1S_0$ Heavy Quarkonium

Friday, 7 October 2011 12:35 (20 minutes)

Presenter: MA, Yan-Qing

Session Classification: Decay 1

Contribution ID: 72

Type: **not specified**

NRQCD matrix elements for S-wave bottomonia and Gamma[eta_b(nS) -> gamma gamma] with relativistic corrections

Friday, 7 October 2011 10:25 (20 minutes)

Presenter: CHUNG, Hee Sok

Session Classification: Decay/Spectroscopy 2

Contribution ID: 73

Type: **not specified**

$\eta_c(\prime)$ measurements at Belle

Friday, 7 October 2011 09:05 (20 minutes)

Presenter: EIDELMAN, Simon

Session Classification: Decay/Spectroscopy 2

Contribution ID: 74

Type: **not specified**

Pseudoscalar Quarkonium Exclusive Decays to Vector Meson Pair

Friday, 7 October 2011 10:45 (20 minutes)

Presenter: QIAO, Cong-Feng

Session Classification: Decay/Spectroscopy 2

Contribution ID: 75

Type: **not specified**

NLO US running of all subleading potentials

Friday, 7 October 2011 14:15 (20 minutes)

Presenter: PINEDA, Antonio

Session Classification: Decay / Standard Model

Contribution ID: 76

Type: **not specified**

Lattice NRQCD matching coefficients

Friday, 7 October 2011 14:35 (20 minutes)

Presenter: VON HIPPEL, Georg

Session Classification: Decay / Standard Model

Contribution ID: 77

Type: **not specified**

Results on R from Belle, BaBar and CLEO

Friday, 7 October 2011 14:55 (25 minutes)

Presenter: PAKHLOVA, Galina

Session Classification: Decay / Standard Model

Contribution ID: 78

Type: **not specified**

Potential in Nf=2 QCD

Friday, 7 October 2011 15:20 (20 minutes)

Presenter: LEDER, Bjoern

Session Classification: Decay / Standard Model

Contribution ID: 79

Type: **not specified**

Charm physics from the ETM Collaboration

Friday, 7 October 2011 15:40 (25 minutes)

Presenter: HERDOIZA, Gregorio

Session Classification: Decay / Standard Model

Contribution ID: **80**

Type: **not specified**

Precision determination of r_0 $\Lambda_{\overline{MS}}$ from the QCD static energy

Friday, 7 October 2011 16:30 (20 minutes)

Presenter: GARCIA I TORMO, Xavier

Session Classification: Standard Model 2

Contribution ID: **81**

Type: **not specified**

**Roundtable discussion on the charmed sea
(Moderator: E. Eichten; Participants: P. Mackenzie, C.
Urbach, J. Qiu, A. Vairo, M. P. Lombardo)**

Friday, 7 October 2011 16:50 (40 minutes)

Session Classification: Standard Model 2

Contribution ID: **82**

Type: **not specified**

Prospects for quarkonia at SuperKEKB

Friday, 7 October 2011 17:30 (20 minutes)

Presenter: OLSEN, Stephen

Session Classification: Future opportunities

Contribution ID: 83

Type: **not specified**

Quarkonium physics at a fixed-target experiment with the proton and lead LHC beams

Friday, 7 October 2011 17:50 (20 minutes)

Presenter: LANSBERG, Jean-Philippe

Session Classification: Future opportunities

Contribution ID: **84**

Type: **not specified**

Discussion

Tuesday, 4 October 2011 15:10 (10 minutes)

Session Classification: Production 3

Contribution ID: 85

Type: **not specified**

Exotics with sum rules

Wednesday, 5 October 2011 18:30 (15 minutes)

Presenter: ALBUQUERQUE, Raphael

Session Classification: Spectroscopy/Decay 1

Contribution ID: 86

Type: **not specified**

Production and suppression of J/psi and Upsilon states in Pb-Pb collisions at CMS

Thursday, 6 October 2011 12:35 (25 minutes)

Presenter: MIRONOV, Camelia

Session Classification: Media 1