

Quarkonium Working Group Workshop 2010 (2)

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Tuesday, May 18, 2010 9:00 AM (20 minutes)

Presenter: KIM, Young-Kee

Session Classification: Standard Model I

Contribution ID: 1

Type: **not specified**

Measurements of R_c at BaBar, Belle, BES and CLEO

Tuesday, May 18, 2010 9:20 AM (25 minutes)

Presenter: YUAN, Changzheng

Session Classification: Standard Model I

Contribution ID: 2

Type: **not specified**

m_c and m_b from pQCD

Tuesday, May 18, 2010 9:45 AM (25 minutes)

Presenter: STURM, Christian

Session Classification: Standard Model I

Contribution ID: 3

Type: **not specified**

Perturbative calculations of inclusive quarkonia decay rates

Tuesday, May 18, 2010 10:10 AM (25 minutes)

Presenter: PINEDA, Antonio

Session Classification: Standard Model I

Contribution ID: 4

Type: **not specified**

m_c, m_b, and alpha_s from LQCD

Wednesday, May 19, 2010 9:25 AM (30 minutes)

Presenter: DAVIES, Christine

Session Classification: Spectroscopy IV / Decay I

Contribution ID: 5

Type: **not specified**

m_c , m_b , and α_s from LQCD

Contribution ID: 6

Type: **not specified**

Y(5S) decays to B⁰ and B⁺ mesons and scan around Y(5S) at Belle

Tuesday, May 18, 2010 11:30 AM (25 minutes)

Presenter: DRUTSKOY, Alexey

Session Classification: Standard Model II / Spectroscopy I

Contribution ID: 7

Type: **not specified**

qqbar potential at 3 loop: review of calculation and application

Tuesday, May 18, 2010 11:55 AM (25 minutes)

Presenter: SUMINO, Yuki

Session Classification: Standard Model II / Spectroscopy I

Contribution ID: 8

Type: **not specified**

qqbar static energy at NNNLL

Tuesday, May 18, 2010 1:45 PM (20 minutes)

Presenter: GARCIA, Xavier

Session Classification: Spectroscopy II

Contribution ID: 9

Type: **not specified**

3-quark potential at N²LO

Tuesday, May 18, 2010 2:05 PM (25 minutes)

Presenter: BRAMBILLA, Nora

Session Classification: Spectroscopy II

Contribution ID: **10**

Type: **not specified**

Qqbar threshold states, Qqbar potentials, QQq potentials

Tuesday, May 18, 2010 2:30 PM (25 minutes)

Presenter: BALI, Gunnar

Session Classification: Spectroscopy II

Contribution ID: 11

Type: **not specified**

Two-photon production of $\chi_{C2}(2P)$ at Babar

Tuesday, May 18, 2010 2:55 PM (25 minutes)

Presenter: SCHROEDER, Torsten

Session Classification: Spectroscopy II

Contribution ID: 12

Type: **not specified**

Bc and charmonium states

Tuesday, May 18, 2010 3:20 PM (25 minutes)

Presenter: GAMIZ, Elvira

Session Classification: Spectroscopy II

Contribution ID: 13

Type: **not specified**

Observation of Upsilon(1D_J) at Babar

Tuesday, May 18, 2010 4:25 PM (25 minutes)

Presenter: GARY, Bill

Session Classification: Spectroscopy III

Contribution ID: 14

Type: **not specified**

Fermilab MILC's quarkonium results

Tuesday, May 18, 2010 4:50 PM (25 minutes)

Presenter: LEVKOVA, Ludmila

Session Classification: Spectroscopy III

Contribution ID: 15

Type: **not specified**

h_c, eta_c, eta_c(2S) at BESIII

Tuesday, May 18, 2010 5:15 PM (25 minutes)

Presenter: WANG, LiangLiang

Session Classification: Spectroscopy III

Contribution ID: 16

Type: **not specified**

Bottomonium and Omega_bbb from lattice QCD

Presenter: THOMAS, Christopher

Contribution ID: 17

Type: **not specified**

Bottomonium and Omega_bbb from lattice QCD

Tuesday, May 18, 2010 5:40 PM (25 minutes)

Presenter: MEINEL, Stefan

Session Classification: Spectroscopy III

Contribution ID: **18**

Type: **not specified**

Charmonium spectroscopy

Tuesday, May 18, 2010 6:05 PM (20 minutes)

Presenter: THOMAS, Christopher

Session Classification: Spectroscopy III

Contribution ID: 19

Type: **not specified**

Recent results on X(3872) at Belle

Wednesday, May 19, 2010 9:00 AM (25 minutes)

Presenter: BHARDWAJ, Vishal

Session Classification: Spectroscopy IV / Decay I

Contribution ID: 20

Type: **not specified**

Quarkonium spectroscopy results at CDF

Tuesday, May 18, 2010 11:05 AM (25 minutes)

Presenter: YI, Kai

Session Classification: Standard Model II / Spectroscopy I

Contribution ID: 21

Type: **not specified**

Other charmonium and cc-like results at Belle

Wednesday, May 19, 2010 9:55 AM (25 minutes)

Presenter: MIYABAYASHI, Kenkichi

Session Classification: Spectroscopy IV / Decay I

Contribution ID: 22

Type: **not specified**

Hadronic transitions in quarkonium

Wednesday, May 19, 2010 10:20 AM (25 minutes)

Presenter: EICHTEN, Estia

Session Classification: Spectroscopy IV / Decay I

Contribution ID: 23

Type: **not specified**

Radiative Decays of Charmonia at CLEO

Wednesday, May 19, 2010 11:15 AM (25 minutes)

Presenter: HELTSLEY, Brian

Session Classification: Decay II

Contribution ID: 24

Type: **not specified**

Radiative Transitions in Charmonia at CLEO

Wednesday, May 19, 2010 11:40 AM (25 minutes)

Presenter: MITCHELL, Ryan

Session Classification: Decay II

Contribution ID: 25

Type: **not specified**

Eta_c line shape

Wednesday, May 19, 2010 12:05 PM (20 minutes)

Presenter: VAIRO, Antonio

Session Classification: Decay II

Contribution ID: 26

Type: **not specified**

Hadronic decays of charmonia at CLEO

Wednesday, May 19, 2010 1:50 PM (25 minutes)

Presenter: METREVELI, Zaza

Session Classification: Decay III

Contribution ID: 27

Type: **not specified**

Bottomonium results at Belle (results on $Y(1S)$, $Y(2S)$)

Wednesday, May 19, 2010 2:15 PM (25 minutes)

Presenter: MUSSA, Roberto

Session Classification: Decay III

Contribution ID: 28

Type: **not specified**

Exclusive decays of $\chi(bJ)$ and $\eta(b)$ into two charmed mesons

Wednesday, May 19, 2010 2:40 PM (25 minutes)

Presenter: MEREGHETTI, Emanuele

Session Classification: Decay III

Contribution ID: 29

Type: **not specified**

Predictions of light hadronic decays of heavy quarkonium 1D(2) states

Wednesday, May 19, 2010 3:05 PM (25 minutes)

Presenter: FAN, Ying

Session Classification: Decay III

Contribution ID: 30

Type: **not specified**

Evasion of helicity selection rule and its implication in heavy quarkonium

Wednesday, May 19, 2010 3:30 PM (25 minutes)

Presenter: ZHAO, Qiang

Session Classification: Decay III

Contribution ID: 31

Type: **not specified**

Chi_cJ decays at BES3

Wednesday, May 19, 2010 4:25 PM (25 minutes)

Presenter: LIU, ChunLei

Session Classification: Decay IV

Contribution ID: 32

Type: **not specified**

Double charmonium production in exclusive bottomonia decays

Wednesday, May 19, 2010 4:55 PM (20 minutes)

Presenter: BRAGUTA, Victor

Session Classification: Production

Contribution ID: 33

Type: **not specified**

Refactorizing NRQCD short-distance coefficients in exclusive quarkonium production

Wednesday, May 19, 2010 5:15 PM (20 minutes)

Presenter: YU, Jia

Session Classification: Production

Contribution ID: 34

Type: **not specified**

QED contribution to the production of $J/\psi + c$ anti- c + X at the Tevatron and LHC

Wednesday, May 19, 2010 5:35 PM (20 minutes)

Presenter: HE, Zhi-Guo

Session Classification: Production

Contribution ID: 35

Type: **not specified**

Testing the charmonium production mechanism via polarized J/psi pair production at the LHC

Wednesday, May 19, 2010 5:55 PM (20 minutes)

Presenter: QIAO, Cong-Feng

Session Classification: Production

Contribution ID: 36

Type: **not specified**

Recent progress in understanding quarkonium polarization (35+10)

Wednesday, May 19, 2010 6:15 PM (45 minutes)

Presenter: FACCIOLI, Pietro

Session Classification: Production

Contribution ID: 37

Type: **not specified**

Light hadron spectroscopy via charmonium decays

Wednesday, May 19, 2010 4:55 PM (25 minutes)

Presenter: ZHEMCHUGOV, Alexey

Session Classification: Spectroscopy

Contribution ID: **38**

Type: **not specified**

Eta_c in gamma gamma at BaBar

Wednesday, May 19, 2010 5:20 PM (25 minutes)

Presenter: WEST, Chris

Session Classification: Spectroscopy

Contribution ID: 39

Type: **not specified**

Status of FAIR

Wednesday, May 19, 2010 6:10 PM (25 minutes)

Presenter: PETERS, Klaus

Session Classification: Spectroscopy

Contribution ID: 40

Type: **not specified**

Discussion of future searches for New Physics in quarkonium at SuperBelle/LHCb/ATLAS/CMS

Wednesday, May 19, 2010 4:55 PM (45 minutes)

Session Classification: Beyond Standard Model

Contribution ID: 41

Type: **not specified**

Observation of inclusive $D^{*+/-}$ production in the decay of $\Upsilon(1S)$ at BaBar

Wednesday, May 19, 2010 5:45 PM (25 minutes)

Presenter: FULSOM, Bryan

Session Classification: Decay

Contribution ID: 42

Type: **not specified**

Discussion of decay topics

Wednesday, May 19, 2010 6:10 PM (25 minutes)

Session Classification: Decay

Contribution ID: 43

Type: **not specified**

Recent lattice results on the spectral functions

Wednesday, May 19, 2010 4:55 PM (20 minutes)

Presenter: DING, HengTong

Session Classification: In-Media

Contribution ID: 44

Type: **not specified**

Potential in anisotropic plasma I

Wednesday, May 19, 2010 5:15 PM (20 minutes)

Presenter: TASSLER, Marcus

Session Classification: In-Media

Contribution ID: 45

Type: **not specified**

Potential in anisotropic plasma II

Wednesday, May 19, 2010 5:35 PM (20 minutes)

Presenter: MOCSY, Agnes

Session Classification: In-Media

Contribution ID: 46

Type: **not specified**

ATLAS expected measurement of Heavy Quarkonium in Pb+Pb collisions

Wednesday, May 19, 2010 5:55 PM (20 minutes)

Presenter: ROSSELET, Laurent

Session Classification: In-Media

Contribution ID: 47

Type: **not specified**

Results from STAR

Wednesday, May 19, 2010 6:15 PM (20 minutes)

Presenter: DJAWOTHO, Pibero

Session Classification: In-Media

Contribution ID: 48

Type: **not specified**

Upsilon production in dAu collisions at RHIC

Wednesday, May 19, 2010 6:35 PM (20 minutes)

Presenter: MATAGNE, Nicolas

Session Classification: In-Media

Contribution ID: 49

Type: **not specified**

Babar update on new charmonia in B decays

Thursday, May 20, 2010 9:00 AM (25 minutes)

Presenter: GABAREEN MOKHTAR, Arafat

Session Classification: Decay V, Spectroscopy & Spectroscopy Exotics I

Contribution ID: 50

Type: **not specified**

Hadron molecules

Thursday, May 20, 2010 9:25 AM (25 minutes)

Presenter: HANHART, Christoph

Session Classification: Decay V, Spectroscopy & Spectroscopy Exotics I

Contribution ID: 51

Type: **not specified**

Hadroquarkonium

Thursday, May 20, 2010 9:50 AM (25 minutes)

Presenter: VOLOSHIN, Mikhail

Session Classification: Decay V, Spectroscopy & Spectroscopy Exotics I

Contribution ID: 52

Type: **not specified**

Tetraquarks

Thursday, May 20, 2010 10:15 AM (25 minutes)

Presenter: SABELLI, Chiara

Session Classification: Decay V, Spectroscopy & Spectroscopy Exotics I

Contribution ID: 53

Type: **not specified**

S-wave pi exchange and its implications for quarkonium spectroscopy

Thursday, May 20, 2010 11:10 AM (20 minutes)

Presenter: DOWNUM, Clark

Session Classification: Spectroscopy & Spectroscopy Exotics II, In-media I

Contribution ID: 54

Type: **not specified**

Cold nuclear matter effects on J/psi production

Thursday, May 20, 2010 11:30 AM (25 minutes)

Presenter: VOGT, Ramona

Session Classification: Spectroscopy & Spectroscopy Exotics II, In-media I

Contribution ID: 55

Type: **not specified**

Results from PHENIX

Thursday, May 20, 2010 11:55 AM (25 minutes)

Presenter: KEMPEL, Todd

Session Classification: Spectroscopy & Spectroscopy Exotics II, In-media I

Contribution ID: 56

Type: **not specified**

Results from NA60

Thursday, May 20, 2010 1:55 PM (25 minutes)

Presenter: CORTESE, Pietro

Session Classification: In-media II

Contribution ID: 57

Type: **not specified**

Static QQbar correlators at $T>0$

Contribution ID: 58

Type: **not specified**

Static QQbar correlators and pNRQCD at $T>0$

Thursday, May 20, 2010 2:20 PM (25 minutes)

Presenter: BURNIER, Yannis

Session Classification: In-media II

Contribution ID: 59

Type: **not specified**

Static QQbar correlators and pNRQCD at $T>0$

Thursday, May 20, 2010 2:45 PM (25 minutes)

Presenter: VAIRO, Antonio

Session Classification: In-media II

Contribution ID: **60**

Type: **not specified**

Quarkonium production in sQGP

Thursday, May 20, 2010 3:10 PM (25 minutes)

Presenter: YOUNG, Clint

Session Classification: In-media II

Contribution ID: **61**

Type: **not specified**

Update on potential models I

Thursday, May 20, 2010 4:05 PM (25 minutes)

Presenter: RIEK, Felix

Session Classification: In-media III, Production I

Contribution ID: 62

Type: **not specified**

Update on potential models I

Contribution ID: 63

Type: **not specified**

Production of the X(3872) at the Tevatron and the LHC

Thursday, May 20, 2010 4:30 PM (25 minutes)

Presenter: ARTOISENET, Pierre

Session Classification: In-media III, Production I

Contribution ID: 64

Type: **not specified**

$\chi_{\{c\}}$ production at hadron colliders with QCD radiative corrections

Thursday, May 20, 2010 5:20 PM (20 minutes)

Presenter: MA, Yan-Qing

Session Classification: In-media III, Production I

Contribution ID: 65

Type: **not specified**

Bottomonium polarization at CDF

Thursday, May 20, 2010 4:55 PM (25 minutes)

Presenter: RUSS, James

Session Classification: In-media III, Production I

Contribution ID: 66

Type: **not specified**

Cross section and polarization of prompt J/psi in proton-proton collisions at RHIC

Thursday, May 20, 2010 5:40 PM (20 minutes)

Presenter: CHUNG, Hee Sok

Session Classification: In-media III, Production I

Contribution ID: 67

Type: **not specified**

Fragmentation-function approach to quarkonium production

Thursday, May 20, 2010 6:00 PM (25 minutes)

Presenter: QIU, Jianwei

Session Classification: In-media III, Production I

Contribution ID: **68**

Type: **not specified**

Status of the ATLAS experiment and recent results

Friday, May 21, 2010 9:00 AM (25 minutes)

Presenter: BERGER, Nicolas

Session Classification: Production II

Contribution ID: 69

Type: **not specified**

Towards quarkonium physics in CMS

Friday, May 21, 2010 9:25 AM (25 minutes)

Presenter: ZHENG, Yu

Session Classification: Production II

Contribution ID: 70

Type: **not specified**

Progress in Monte Carlo tools for quarkonium production

Friday, May 21, 2010 9:50 AM (25 minutes)

Presenter: KRAAN, Aafke

Session Classification: Production II

Contribution ID: 71

Type: **not specified**

ALICE status report

Friday, May 21, 2010 10:15 AM (25 minutes)

Presenter: SCOMPARIN, Enrico

Session Classification: Production II

Contribution ID: 72

Type: **not specified**

Preparation of analyses of quarkonium states at LHC-b

Friday, May 21, 2010 11:10 AM (25 minutes)

Presenter: ALBRECHT, Johannes

Session Classification: Production III

Contribution ID: 73

Type: **not specified**

Inclusive quarkonium production at the B factories: $J/\psi + c \bar{c}$

Friday, May 21, 2010 11:35 AM (25 minutes)

Presenter: WANG, Jianxiong

Session Classification: Production III

Contribution ID: 74

Type: **not specified**

**Inclusive quarkonium production at the B factories:
J/ψ + light hadrons [J/ψ + gg (color singlet), J/ψ
+ g (color-octet)] and the ratio $\frac{\sigma(J/\psi + c\bar{c})}{\sigma(J/\psi + X)}$.**

Friday, May 21, 2010 12:00 PM (25 minutes)

Presenter: CHAO, Kuang-Ta

Session Classification: Production III

Contribution ID: 75

Type: **not specified**

H1+ZEUS results

Friday, May 21, 2010 12:25 PM (20 minutes)

Presenter: MEYER, Andreas

Session Classification: Production III

Contribution ID: 76

Type: **not specified**

Radiative corrections and new-physics searches in Upsilon leptonic decays

Friday, May 21, 2010 2:15 PM (25 minutes)

Presenter: ZHANG, Yu-Jie

Session Classification: Beyond Standard Model I

Contribution ID: 77

Type: **not specified**

Bottomonium spectroscopy with mixing of $\eta(b)$ states and a light CP-odd Higgs

Friday, May 21, 2010 2:40 PM (25 minutes)

Presenter: SANCHIS LOZANO, Miguel Ángel

Session Classification: Beyond Standard Model I

Contribution ID: 78

Type: **not specified**

Searches for light dark matter in quarkonium decays

Friday, May 21, 2010 3:05 PM (25 minutes)

Presenter: YEGHIYAN, Gagik

Session Classification: Beyond Standard Model I

Contribution ID: 79

Type: **not specified**

Stumbling toward an understanding of quarkonium production

Friday, May 21, 2010 4:00 PM (1 hour)

Presenter: BRAATEN, Eric

Session Classification: Joint Experimental-Theoretical Physics Seminar

Contribution ID: **80**

Type: **not specified**

Supersymmetric quarkonia

Friday, May 21, 2010 5:30 PM (25 minutes)

Presenter: PETROV, Alexey

Session Classification: Beyond Standard Model II, Closeout

Contribution ID: **81**

Type: **not specified**

Experimental searches for New Physics in quarkonium decays at BaBar

Friday, May 21, 2010 5:55 PM (35 minutes)

Presenter: HOOBERMAN, Ben

Session Classification: Beyond Standard Model II, Closeout

Contribution ID: **82**

Type: **not specified**

PANDA Overview

Friday, May 21, 2010 6:30 PM (25 minutes)

Presenter: FRITSCH, Miriam

Session Classification: Beyond Standard Model II, Closeout

Contribution ID: **83**

Type: **not specified**

Closeout

Friday, May 21, 2010 6:55 PM (10 minutes)

Session Classification: Beyond Standard Model II, Closeout

Contribution ID: **84**

Type: **not specified**

test

Presenter: KIERAN, Cameron

Contribution ID: 87

Type: **not specified**

Hyperfine interaction in quarkonia (15+10)

Wednesday, May 19, 2010 5:45 PM (25 minutes)

Presenter: SETH, Kamal

Session Classification: Spectroscopy