Quarkonium Working Group Workshop 2010 (2)

Report of Contributions

https://indico.fnal.gov/e/3347

Contribution ID: **0** Type: **not specified**

Welcome

Tuesday, 18 May 2010 09:00 (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, 18 May 2010 09:20 (25 minutes)

Presenter: YUAN, Changzheng

Session Classification: Standard Model I

Contribution ID: **2** Type: **not specified**

m_c and m_b from pQCD

Tuesday, 18 May 2010 09:45 (25 minutes)

Presenter: STURM, Christian

Session Classification: Standard Model I

Contribution ID: **3** Type: **not specified**

Perturbative calculations of inclusive quarkonia decay rates

Tuesday, 18 May 2010 10:10 (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, 19 May 2010 09:25 (30 minutes)

Presenter: DAVIES, Christine

Session Classification: Spectroscopy IV / Decay I

Contribution ID: **5** Type: **not specified**

m_c, m_b, and alpha_s from LQCD

Contribution ID: **6** Type: **not specified**

Y(5S) decays to B^0 and B^+ mesons and scan around Y(5S) at Belle

Tuesday, 18 May 2010 11:30 (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, 18 May 2010 11:55 (25 minutes)

Presenter: SUMINO, Yuki

Session Classification: Standard Model II / Spectroscopy I

Contribution ID: **8** Type: **not specified**

qqbar static energy at NNNLL

Tuesday, 18 May 2010 13:45 (20 minutes)

Presenter: GARCIA, Xavier

Session Classification: Spectroscopy II

Contribution ID: **9** Type: **not specified**

3-quark potential at N^2LO

Tuesday, 18 May 2010 14:05 (25 minutes)

Presenter: BRAMBILLA, Nora

Session Classification: Spectroscopy II

Contribution ID: **10** Type: **not specified**

Qqbar threshold states, Qqbar potentials, QQq potentials

Tuesday, 18 May 2010 14:30 (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, 18 May 2010 14:55 (25 minutes)

Presenter: SCHROEDER, Torsten

Session Classification: Spectroscopy II

Contribution ID: **12** Type: **not specified**

Bc and charmonium states

Tuesday, 18 May 2010 15:20 (25 minutes)

Presenter: GAMIZ, Elvira

Session Classification: Spectroscopy II

Contribution ID: **13** Type: **not specified**

Observation of Upsilon(1D_J) at Babar

Tuesday, 18 May 2010 16:25 (25 minutes)

Presenter: GARY, Bill

Session Classification: Spectroscopy III

Contribution ID: **14** Type: **not specified**

Fermilab MILC's quarkonium results

Tuesday, 18 May 2010 16:50 (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, 18 May 2010 17:15 (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, 18 May 2010 17:40 (25 minutes)

Presenter: MEINEL, Stefan

Session Classification: Spectroscopy III

Contribution ID: **18** Type: **not specified**

Charmonium spectroscopy

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

Presenter: THOMAS, Christopher

Session Classification: Spectroscopy III

Contribution ID: **19** Type: **not specified**

Recent results on X(3872) at Belle

Wednesday, 19 May 2010 09:00 (25 minutes)

Presenter: BHARDWAJ, Vishal

Session Classification: Spectroscopy IV / Decay I

Contribution ID: **20** Type: **not specified**

Quarkonium spectroscopy results at CDF

Tuesday, 18 May 2010 11:05 (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, 19 May 2010 09:55 (25 minutes)

Presenter: MIYABAYASHI, Kenkichi

Session Classification: Spectroscopy IV / Decay I

Contribution ID: **22** Type: **not specified**

Hadronic transitions in quarkonium

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

Presenter: EICHTEN, Estia

Session Classification: Spectroscopy IV / Decay I

Contribution ID: **23** Type: **not specified**

Radiative Decays of Charmonia at CLEO

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

Presenter: HELTSLEY, Brian

Session Classification: Decay II

Contribution ID: **24** Type: **not specified**

Radiative Transitions in Charmonia at CLEO

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

Presenter: MITCHELL, Ryan

Session Classification: Decay II

Contribution ID: **25** Type: **not specified**

Eta_c line shape

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

Presenter: VAIRO, Antonio

Session Classification: Decay II

Contribution ID: **26** Type: **not specified**

Hadronic decays of charmonia at CLEO

Wednesday, 19 May 2010 13:50 (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, 19 May 2010 14:15 (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, 19 May 2010 14:40 (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, 19 May 2010 15:05 (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, 19 May 2010 15:30 (25 minutes)

Presenter: ZHAO, Qiang

Session Classification: Decay III

Contribution ID: **31** Type: **not specified**

Chi_cJ decays at BES3

Wednesday, 19 May 2010 16:25 (25 minutes)

Presenter: LIU, ChunLei

Session Classification: Decay IV

Contribution ID: **32** Type: **not specified**

Double charmonium production in exclusive bottomonia decays

Wednesday, 19 May 2010 16:55 (20 minutes)

Presenter: BRAGUTA, Victor

Session Classification: Production

Contribution ID: **33** Type: **not specified**

Refactorizing NRQCD short-distance coefficients in exclusive quarkonium production

Wednesday, 19 May 2010 17:15 (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, 19 May 2010 17:35 (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, 19 May 2010 17:55 (20 minutes)

Presenter: QIAO, Cong-Feng

Session Classification: Production

Contribution ID: **36** Type: **not specified**

Recent progress in understanding quarkonium polarization (35+10)

Wednesday, 19 May 2010 18:15 (45 minutes)

Presenter: FACCIOLI, Pietro

Session Classification: Production

Contribution ID: **37** Type: **not specified**

Light hadron spectroscopy via charmonium decays

Wednesday, 19 May 2010 16:55 (25 minutes)

Presenter: ZHEMCHUGOV, Alexey

Session Classification: Spectroscopy

Contribution ID: **38** Type: **not specified**

Eta_c in gamma gamma at BaBar

Wednesday, 19 May 2010 17:20 (25 minutes)

Presenter: WEST, Chris

Session Classification: Spectroscopy

Contribution ID: **39** Type: **not specified**

Status of FAIR

Wednesday, 19 May 2010 18:10 (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, 19 May 2010 16:55 (45 minutes)

Session Classification: Beyond Standard Model

Contribution ID: **41** Type: **not specified**

Observation of inclusive D*+/- production in the decay of Y1S at BaBar

Wednesday, 19 May 2010 17:45 (25 minutes)

Presenter: FULSOM, Bryan

Session Classification: Decay

Contribution ID: **42** Type: **not specified**

Discussion of decay topics

Wednesday, 19 May 2010 18:10 (25 minutes)

Session Classification: Decay

Contribution ID: **43** Type: **not specified**

Recent lattice results on the spectral functions

Wednesday, 19 May 2010 16:55 (20 minutes)

Presenter: DING, HengTong

Session Classification: In-Media

Contribution ID: **44** Type: **not specified**

Potential in anisotropic plasma I

Wednesday, 19 May 2010 17:15 (20 minutes)

Presenter: TASSLER, Marcus

Session Classification: In-Media

Contribution ID: **45** Type: **not specified**

Potential in anisotropic plasma II

Wednesday, 19 May 2010 17:35 (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, 19 May 2010 17:55 (20 minutes)

Presenter: ROSSELET, Laurent

Session Classification: In-Media

Contribution ID: **47** Type: **not specified**

Results from STAR

Wednesday, 19 May 2010 18:15 (20 minutes)

Presenter: DJAWOTHO, Pibero

Session Classification: In-Media

Contribution ID: **48** Type: **not specified**

Upsilon production in dAu collisions at RHIC

Wednesday, 19 May 2010 18:35 (20 minutes)

Presenter: MATAGNE, Nicolas

Session Classification: In-Media

Contribution ID: **49** Type: **not specified**

Babar update on new charmonia in B decays

Thursday, 20 May 2010 09:00 (25 minutes)

Presenter: GABAREEN MOKHTAR, Arafat

Session Classification: Decay V, Spectroscopy & Spectroscopy Exotics I

Contribution ID: **50** Type: **not specified**

Hadron molecules

Thursday, 20 May 2010 09:25 (25 minutes)

Presenter: HANHART, Christoph

Session Classification: Decay V, Spectroscopy & Spectroscopy Exotics I

Contribution ID: **51** Type: **not specified**

Hadroquarkonium

Thursday, 20 May 2010 09:50 (25 minutes)

Presenter: VOLOSHIN, Mikhail

Session Classification: Decay V, Spectroscopy & Spectroscopy Exotics I

Contribution ID: **52** Type: **not specified**

Tetraquarks

Thursday, 20 May 2010 10:15 (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, 20 May 2010 11:10 (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, 20 May 2010 11:30 (25 minutes)

Presenter: VOGT, Ramona

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

Contribution ID: **55** Type: **not specified**

Results from PHENIX

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

Presenter: KEMPEL, Todd

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

Contribution ID: **56** Type: **not specified**

Results from NA60

Thursday, 20 May 2010 13:55 (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, 20 May 2010 14:20 (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, 20 May 2010 14:45 (25 minutes)

Presenter: VAIRO, Antonio

Session Classification: In-media II

Contribution ID: **60** Type: **not specified**

Quarkonium production in sQGP

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

Presenter: YOUNG, Clint

Session Classification: In-media II

Contribution ID: **61** Type: **not specified**

Update on potential models I

Thursday, 20 May 2010 16:05 (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, 20 May 2010 16:30 (25 minutes)

Presenter: ARTOISENET, Pierre

Session Classification: In-media III, Production I

Contribution ID: **64** Type: **not specified**

chi_{cJ} production at hadron colliders with QCD radiative corrections

Thursday, 20 May 2010 17:20 (20 minutes)

Presenter: MA, Yan-Qing

Session Classification: In-media III, Production I

Contribution ID: **65** Type: **not specified**

Bottomonium polarization at CDF

Thursday, 20 May 2010 16:55 (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, 20 May 2010 17:40 (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, 20 May 2010 18:00 (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, 21 May 2010 09:00 (25 minutes)

Presenter: BERGER, Nicolas

Session Classification: Production II

Contribution ID: **69** Type: **not specified**

Towards quarkonium physics in CMS

Friday, 21 May 2010 09:25 (25 minutes)

Presenter: ZHENG, Yu

Session Classification: Production II

Contribution ID: **70** Type: **not specified**

Progress in Monte Carlo tools for quarkonium production

Friday, 21 May 2010 09:50 (25 minutes)

Presenter: KRAAN, Aafke

Session Classification: Production II

Contribution ID: **71** Type: **not specified**

ALICE status report

Friday, 21 May 2010 10:15 (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, 21 May 2010 11:10 (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, 21 May 2010 11:35 (25 minutes)

Presenter: WANG, Jianxiong

Session Classification: Production III

Contribution ID: **74** Type: **not specified**

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

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

Presenter: CHAO, Kuang-Ta

Session Classification: Production III

Contribution ID: **75** Type: **not specified**

H1+ZEUS results

Friday, 21 May 2010 12:25 (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, 21 May 2010 14:15 (25 minutes)

Presenter: ZHANG, Yu-Jie

Session Classification: Beyond Standard Model I

Contribution ID: **77** Type: **not specified**

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

Friday, 21 May 2010 14:40 (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, 21 May 2010 15:05 (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, 21 May 2010 16:00 (1 hour)

Presenter: BRAATEN, Eric

Session Classification: Joint Experimental-Theoretical Physics Seminar

Contribution ID: **80** Type: **not specified**

Supersymmetric quarkonia

Friday, 21 May 2010 17:30 (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, 21 May 2010 17:55 (35 minutes)

Presenter: HOOBERMAN, Ben

Session Classification: Beyond Standard Model II, Closeout

Contribution ID: **82** Type: **not specified**

PANDA Overview

Friday, 21 May 2010 18:30 (25 minutes)

Presenter: FRITSCH, Miriam

Session Classification: Beyond Standard Model II, Closeout

Contribution ID: **83** Type: **not specified**

Closeout

Friday, 21 May 2010 18:55 (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, 19 May 2010 17:45 (25 minutes)

Presenter: SETH, Kamal

Session Classification: Spectroscopy