

PHYSICAL REVIEW D

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 1550-7998)

PERIODICALS
Postmaster send address changes to:
PHYSICAL REVIEW D
APS Subscription Services
Suite 1N01
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 76, NUMBER 3

CONTENTS

D1 AUGUST 2007

RAPID COMMUNICATIONS

Branching fraction and charge asymmetry measurements in $B \rightarrow J/\psi \pi \pi$ decays (9 pages)	031101(R)
B. Aubert <i>et al.</i> (BABAR Collaboration)	
Measurement of decay amplitudes of $B \rightarrow J/\psi K^*$, $\psi(2S)K^*$, and $\chi_{c1}K^*$ with an angular analysis (8 pages)	031102(R)
B. Aubert <i>et al.</i> (BABAR Collaboration)	
Branching fraction and CP -violation charge asymmetry measurements for B -meson decays to $\eta K^\pm$, $\eta \pi^\pm$, $\eta' K$, $\eta' \pi^\pm$, ωK , and $\omega \pi^\pm$ (8 pages)	031103(R)
B. Aubert <i>et al.</i> (BABAR Collaboration)	
Upgraded experiments with super neutrino beams: Reach versus exposure (4 pages)	031301(R)
V. Barger, Patrick Huber, Danny Marfatia, and Walter Winter	
$ V_{ub} $ from exclusive semileptonic $B \rightarrow \pi$ decays revisited (3 pages)	031302(R)
Jonathan M Flynn and Juan Nieves	
Abelian dominance and the dual Meissner effect in local unitary gauges in SU(2) gluodynamics (5 pages)	031501(R)
Toru Sekido, Katsuya Ishiguro, Yoshiaki Koma, Yoshihiro Mori, and Tsuneo Suzuki	
Microscopic 8-quark study of the antikaon-nucleon-nucleon systems (5 pages)	031502(R)
P. Bicudo	

ARTICLES

Simulation of a cross section and mass measurement of a standard model Higgs boson in the $gg \rightarrow H \rightarrow WW \rightarrow \ell \nu \ell \nu$ channel at the CERN LHC (13 pages)	032001
G. Davatz, M. Dittmar, and F. Pauss	
Role of resonances in $\rho^0 \rightarrow \pi^+ \pi^- \gamma$ (6 pages)	033001
G. Toledo Sánchez, J.L. García-Luna, and V. González-Enciso	
Remark on the minimal seesaw model and leptogenesis with tribimaximal mixing (7 pages)	033002
Teruyuki Kitabayashi	
New physics with IceCube (6 pages)	033003
Matias M. Reynoso and Oscar A. Sampayo	
Signature of heavy Majorana neutrinos at a linear collider: Enhanced charged Higgs pair production (6 pages)	033004
David Atwood, Shaouly Bar-Shalom, and Amarjit Soni	
Weak pion production off the nucleon (22 pages)	033005
E. Hernández, J. Nieves, and M. Valverde	
Probing nonstandard decoherence effects with solar and KamLAND neutrinos (9 pages)	033006
G.L. Fogli, E. Lisi, A. Marrone, D. Montanino, and A. Palazzo	
Neutrino backgrounds to dark matter searches (5 pages)	033007
Jocelyn Monroe and Peter Fisher	
Yukawa textures, new physics, and nondecoupling (7 pages)	033008
Gustavo C. Branco, M.N. Rebelo, and J.I. Silva-Marcos	



Copyright 2007 by The American Physical Society

(Continued)



1550-7998(20070801)76:3;1-W

CONTENTS - Continued

PHYSICAL REVIEW D

THIRD SERIES, VOLUME 76, NUMBER 3

D1 AUGUST 2007

Dijet correlations at BNL RHIC: Leading-order k_T -factorization approach versus next-to-leading order collinear approach (16 pages)	034001
A. Szczurek, A. Rybarska, and G. Ślipek	
Relations between generalized and transverse momentum dependent parton distributions (25 pages)	034002
S. Meißner, A. Metz, and K. Goeke	
Photon-jet correlations in pp and $p\bar{p}$ collisions (11 pages)	034003
T. Pietrycki and A. Szczurek	
Single target-spin asymmetry in semi-inclusive deep inelastic scattering on a transversely polarized nucleon target (7 pages)	034004
Yang Huang, Jun She, and Bo-Qiang Ma	
Color-singlet contribution to $e^+e^- \rightarrow J/\psi + X$ at the endpoint (10 pages)	034005
Adam K. Leibovich and Xiaohui Liu	
Pion interactions in the $X(3872)$ (12 pages)	034006
S. Fleming, M. Kusunoki, T. Mehen, and U. van Kolck	
Reconciling the $X(3872)$ with the near-threshold enhancement in the $D^0\bar{D}^{*0}$ final state (9 pages)	034007
C. Hanhart, Yu. S. Kalashnikova, A. E. Kudryavtsev, and A. V. Nefediev	
Next-to-leading-order corrections to exclusive processes in k_T factorization (11 pages)	034008
Soumitra Nandi and Hsiang-nan Li	
Triquark structure and isospin symmetry breaking in exotic D_s mesons (8 pages)	034009
S. Yasui and M. Oka	
Parton distributions in impact parameter space (7 pages)	034010
H. Dahiya, A. Mukherjee, and S. Ray	
Exclusive vector meson production at HERA from QCD with saturation (10 pages)	034011
C. Marquet, R. Peschanski, and G. Soyez	
Search for exclusive events using the dijet mass fraction at the Fermilab Tevatron (16 pages)	034012
O. Kepka and C. Royon	
Relativistic BCS-BEC crossover in a boson-fermion model (16 pages)	034013
Jian Deng, Andreas Schmitt, and Qun Wang	
Bound on minimal universal extra dimensions from $\bar{B} \rightarrow X_s \gamma$ (4 pages)	034014
Ulrich Haisch and Andreas Weiler	
Testing explanations of the $B \rightarrow \phi K^*$ polarization puzzle (8 pages)	034015
Alakabha Datta, Andrei V. Gritsan, David London, Makiko Nagashima, and Alejandro Szynkman	
Supersymmetric QCD one-loop effects in (un)polarized top-pair production at hadron colliders (32 pages)	034016
Stefan Berge, Wolfgang Hollik, Wolf M. Mosle, and Doreen Wackerroth	
Improved estimates of rare K decay matrix elements from $K_{\ell 3}$ decays (12 pages)	034017
Federico Mescia and Christopher Smith	
B -meson to light-meson transition form factors (12 pages)	034018
Mikhail A. Ivanov, Jürgen G. Körner, Sergey G. Kovalenko, and Craig D. Roberts	
Diffraction excitation of heavy flavors: Leading twist mechanisms (20 pages)	034019
B. Z. Kopeliovich, I. K. Potashnikova, Ivan Schmidt, and A. V. Tarasov	
Drell-Yan processes, transversity, and light-cone wave functions (8 pages)	034020
B. Pasquini, M. Pincetti, and S. Boffi	
Relevance of the real part of two-gluon exchange amplitude for diffractive J/ψ electroproduction at DESY HERA (10 pages)	034021
S. P. Baranov	
Langevin dynamics of the pure $SU(2)$ deconfining transition (7 pages)	034501
E. S. Fraga, G. Krein, and A. J. Mizher	
Fitting two nucleons inside a box: Exponentially suppressed corrections to Lüscher's formula (9 pages)	034502
Ikuro Sato and Paulo F. Bedaque	
Matching of Wilson loop eigenvalue densities in $1+1$, $2+1$, and $3+1$ dimensions (11 pages)	034503
Francis Bursa	
Minimal walking on the lattice (8 pages)	034504
Simon Catterall and Francesco Sannino	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW D

THIRD SERIES, VOLUME 76, NUMBER 3

D1 AUGUST 2007

Phase structure of lattice QCD with two flavors of Wilson quarks at finite temperature and chemical potential (10 pages)	034505
Liang-Kai Wu, Xiang-Qian Luo, and He-Sheng Chen	
Exploring the structure of the quenched QCD vacuum with overlap fermions (31 pages)	034506
E.-M. Ilgenfritz, K. Koller, Y. Koma, G. Schierholz, T. Streuer, and V. Weinberg (QCDSF Collaboration)	
Unquenching effects on the coefficients of the Lüscher-Weisz action (7 pages)	034507
Zh. Hao, G.M. von Hippel, R.R. Horgan, Q.J. Mason, and H.D. Trottier	
Orbifold family unification (11 pages)	035001
Yoshiharu Kawamura, Teppei Kinami, and Kin-ya Oda	
Distributions for MSSM Higgs boson + jet production at hadron colliders (10 pages)	035002
Oliver Brein and Wolfgang Hollik	
Z boson propagator correction in technicolor theories with extended technicolor effects included (15 pages)	035003
Masafumi Kurachi, Robert Shrock, and Koichi Yamawaki	
Challenges for MSSM Higgs boson searches at hadron colliders (13 pages)	035004
M. Carena, A. Menon, and C.E. Wagner	
String-derived D_4 flavor symmetry and phenomenological implications (11 pages)	035005
Pyungwon Ko, Tatsuo Kobayashi, Jae-hyeon Park, and Stuart Raby	
Electroweak constraints on warped models with custodial symmetry (19 pages)	035006
Marcela Carena, Eduardo Pontón, José Santiago, and C.E. Wagner	
Light pseudoscalar η and $H \rightarrow \eta\eta$ decay in the simplest little Higgs model (11 pages)	035007
Kingman Cheung and Jeonghyeon Song	
Deconstruction of unparticles (5 pages)	035008
M.A. Stephanov	
CP Violation in Unpolarized $e^+e^- \rightarrow$ Charginos at One-Loop Level (8 pages)	036001
P. Osland and A. Vereshagin	
Systematic uncertainties of hadron parameters obtained with QCD sum rules (7 pages)	036002
Wolfgang Lucha, Dmitri Melikhov, and Silvano Simula	
CP violation and arrows of time: Evolution of a neutral K or B meson from an incoherent to a coherent state (6 pages)	036003
Ch. Berger and L.M. Sehgal	
Diquark and light four-quark states (7 pages)	036004
Ailin Zhang, Tao Huang, and Tom G. Steele	
Helicity amplitude analysis of hyperon nonleptonic decays in J/ψ or $\psi(2S)$ decays (6 pages)	036005
Hong Chen and Rong-Gang Ping	
Warped gravitons at the CERN LHC and beyond (9 pages)	036006
Kaustubh Agashe, Hooman Davoudiasl, Gilad Perez, and Amarjit Soni	
Unparticle phase effects (10 pages)	036007
Chuan-Hung Chen and Chao-Qiang Geng	

BRIEF REPORTS

Definition of the Δ mass and width (3 pages)	037501
D. Djukanovic, J. Gegelia, and S. Scherer	
Energy criterion and dynamical symmetry breaking in a $SU(3)_L \otimes U(1)_X$ extension of the standard model (4 pages)	037701
A. Doff	

ERRATA

Publisher's Note: Study of exclusive charmless semileptonic B decays and extraction of $ V_{ub} $ at CLEO [Phys. Rev. D 76 , 012007 (2007)] (1 page)	039901(E)
D.M. Asner <i>et al.</i> (CLEO Collaboration)	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW D

THIRD SERIES, VOLUME 76, NUMBER 3

D1 AUGUST 2007

Erratum: Minkowski space structure of the Higgs potential in the two-Higgs-doublet model [Phys. Rev. D 75 , 035001 (2007)] (<i>1 page</i>)	039902(E)
I. P. Ivanov	
Erratum: Electromagnetic corrections to baryon masses [Phys. Rev. D 71 , 073015 (2005)] (<i>1 page</i>)	039903(E)
Loyal Durand and Phuoc Ha	