

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 77, NUMBER 7

CONTENTS

D1 APRIL 2008

RAPID COMMUNICATIONS

- Improved measurement of time-dependent CP violation in $B^0 \rightarrow J/\psi \pi^0$ decays (6 pages) 071101(R)
S.E. Lee *et al.* (The Belle Collaboration)
- Time-dependent Dalitz plot analysis of $B^0 \rightarrow D^{\mp} K^0 \pi^{\pm}$ decays (9 pages) 071102(R)
B. Aubert *et al.* (BABAR Collaboration)
- New features of the gluon and ghost propagator in the infrared region from the Gribov-Zwanziger approach
(5 pages) 071501(R)
D. Dudal, S.P. Sorella, N. Vandersickel, and H. Verschelde

ARTICLES

- Measurement of CP asymmetries and branching fractions in a time-dependent Dalitz analysis of $B^0 \rightarrow (\rho \pi)^0$ and
a constraint on the quark mixing angle ϕ_2 (25 pages) 072001
A. Kusaka *et al.* (Belle Collaboration)
- Study of muon neutrino disappearance using the Fermilab Main Injector neutrino beam (34 pages) 072002
P. Adamson *et al.* (MINOS Collaboration)
- Measurement of ratios of fragmentation fractions for bottom hadrons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
(31 pages) 072003
T. Aaltonen *et al.* (CDF Collaboration)
- Measurement of correlated $b\bar{b}$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1960$ GeV (24 pages) 072004
T. Aaltonen *et al.* (CDF Collaboration)
- $\eta \rightarrow \pi^0 \gamma \gamma$ decay within a chiral unitary approach revisited (6 pages) 073001
E. Oset, J.R. Peláez, and L. Roca
- Neutrino sector with Majorana mass terms and Friedberg-Lee symmetry (4 pages) 073002
C. Jarlskog
- Analysis of lepton flavor violating $\tau^{\pm} \rightarrow \mu^{\pm} \mu^{\pm} \mu^{\mp}$ decays (26 pages) 073003
A. Matsuzaki and A.I. Sanda
- Mixed QCD-electroweak contributions to Higgs-plus-dijet production at the CERN LHC (14 pages) 073004
A. Bredenstein, K. Hagiwara, and B. Jäger
- V_{us} and neutron beta decay (13 pages) 073005
A. García and G. Sánchez-Colón
- Radiative corrections to W -boson hadroproduction: Higher-order electroweak and supersymmetric effects
(20 pages) 073006
Silja Brensing, Stefan Dittmaier, Michael Krämer, and Alexander Mück
- Probing nonstandard neutrino physics by two identical detectors with different baselines (12 pages) 073007
Nei Cipriano Ribeiro, Hiroshi Nunokawa, Takaaki Kajita, Shoen Nakayama, Pyungwon Ko, and
Hisakazu Minakata
- A_4 flavor symmetry and neutrino phenomenology (12 pages) 073008
Biswajoy Brahmachari, Sandhya Choubey, and Manimala Mitra



Copyright 2008 by The American Physical Society

(Continued)



1550-7998(20080401)77:7;1-#

CONTENTS - Continued

PHYSICAL REVIEW D

THIRD SERIES, VOLUME 77, NUMBER 7

D1 APRIL 2008

Leptogenesis in a seesaw model with Fritzsch-type lepton mass matrices (13 pages)	073009
Y.H. Ahn, Sin Kyu Kang, C.S. Kim, and Jake Lee	
Lepton-flavor-violating decay $\tau \rightarrow \mu\mu\bar{\mu}$ at the CERN LHC (10 pages)	073010
M. Giffels, J. Kallarackal, M. Krämer, B. O'Leary, and A. Stahl	
$SU_f(3)$ -symmetry breaking effects of the $B \rightarrow K$ transition form factor in the QCD light-cone sum rules (10 pages)	074001
Xing-Gang Wu, Tao Huang, and Zhen-Yun Fang	
Dynamical next-to-next-to-leading order parton distributions and the perturbative stability of $F_L(x, Q^2)$ (5 pages)	074002
M. Glück, C. Pisano, and E. Reya	
Scalar resonance contributions to the dipion transition rates of $Y(4S, 5S)$ in the rescattering model (6 pages)	074003
Ce Meng and Kuang-Ta Chao	
$X(1835)$ and $\eta(1760)$ observed by the BES Collaboration (7 pages)	074004
De-Min Li and Bing Ma	
Randomness in infinitesimal extent in the McLerran-Venugopalan model (9 pages)	074005
Kenji Fukushima	
Use of cumulants to quantify uncertainties in the HBT measurements of the homogeneity regions (4 pages)	074006
K. Zalewski	
Decay $b \rightarrow (c\bar{c})s$ in the leading logarithm approximation (19 pages)	074007
Christoph Bobeth, Benjamin Grinstein, and Mikhail Savrov	
Charmed baryon strong decays in a chiral quark model (14 pages)	074008
Xian-Hui Zhong and Qiang Zhao	
Skyrme model with different mass terms (4 pages)	074009
Bernard Piette and Wojtek J. Zakrzewski	
Jets from massive unstable particles: Top-mass determination (32 pages)	074010
Sean Fleming, Andre H. Hoang, Sonny Mantry, and Iain W. Stewart	
Phenomenological analysis of the nucleon spin contents and their scale dependence (15 pages)	074011
M. Wakamatsu and Y. Nakakoji	
Long-distance contributions to the $\eta_b \rightarrow J/\psi J/\psi$ decay (4 pages)	074012
Pietro Santorelli	
Study of $B_c^- \rightarrow J/\psi\pi^-, \eta_c\pi^-$ decays with QCD factorization (9 pages)	074013
Junfeng Sun, Guifeng Xue, Yueling Yang, Gongru Lu, and Dongsheng Du	
Pion distribution amplitude from holographic QCD and the electromagnetic form factor $F_\pi(Q^2)$ (8 pages)	074014
S.S. Agaev and M.A. Nobary	
Surface effects in color superconducting strange-quark matter (13 pages)	074015
Micaela Oertel and Michael Urban	
$SU(6)$, triquark states, and the pentaquark (9 pages)	074016
Swarup Kumar Majee and Amitava Raychaudhuri	
Chiral transitions in heavy-light mesons (14 pages)	074017
A.M. Badalian, Yu.A. Simonov, and M.A. Trusov	
Enforced neutrality and color-flavor unlocking in the three-flavor Polyakov-loop Nambu–Jona-Lasinio model (11 pages)	074018
H. Abuki, M. Ciminale, R. Gatto, G. Nardulli, and M. Ruggieri	
Collins asymmetry at hadron colliders (12 pages)	074019
Feng Yuan	
Lightest scalar and tensor resonances in $\gamma\gamma \rightarrow \pi\pi$ after the Belle experiment (11 pages)	074020
N.N. Achasov and G.N. Shestakov	
Exponentially modified QCD coupling (12 pages)	074021
Gorazd Cvetič and Cristián Valenzuela	
On the range of validity of the dipole picture (16 pages)	074022
Carlo Ewerz, Andreas von Manteuffel, and Otto Nachtmann	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW D

THIRD SERIES, VOLUME 77, NUMBER 7

D1 APRIL 2008

Spin-dependent DGLAP evolution equations and t distribution of longitudinally polarized structure functions in leading order and next-to-leading order at low x (5 pages)	074023
Nazir Hussain Shah and J K Sarma	
Prompt photon hadroproduction at high energies in off-shell gluon-gluon fusion (12 pages)	074024
S.P. Baranov, A.V. Lipatov, and N.P. Zotov	
Effective field theory for the anisotropic Wilson lattice action (10 pages)	074501
Paulo F. Bedaque, Michael I. Buchoff, and André Walker-Loud	
Vacuum structure revealed by over-improved stout-link smearing compared with the overlap analysis for quenched QCD (12 pages)	074502
E.-M. Ilgenfritz, D. Leinweber, P. Moran, K. Koller, G. Schierholz, and V. Weinberg	
Lattice study of meson correlators in the ϵ -regime of two-flavor QCD (10 pages)	074503
H. Fukaya, S. Aoki, S. Hashimoto, T. Kaneko, H. Matsufuru, J. Noaki, K. Ogawa, T. Onogi, and N. Yamada (JLQCD collaboration)	
Heavy quark free energies for three quark systems at finite temperature (11 pages)	074504
Kay Hübner, Frithjof Karsch, Olaf Kaczmarek, and Oliver Vogt	
Effective field theories for QCD with rooted staggered fermions (21 pages)	074505
Claude Bernard, Maarten Golterman, and Yigal Shamir	
Monopole condensation in two-flavor adjoint QCD (5 pages)	074506
Guido Cossu, Massimo D'Elia, Adriano Di Giacomo, Giuseppe Lacagnina, and Claudio Pica	
Interrelation between monopoles, vortices, topological charge, and chiral symmetry breaking: Analysis using overlap fermions for $SU(2)$ (9 pages)	074507
V.G. Bornyakov, E.-M. Ilgenfritz, M. Müller-Preussker, B.V. Martemyanov, S.M. Morozov, and A.I. Veselov	
Custodial bulk Randall-Sundrum model and $B \rightarrow K^* l^+ l^-$ (10 pages)	075001
Sanghyeon Chang, C.S. Kim, and Jeonghyeon Song	
Diphoton decays of stoponium at the CERN Large Hadron Collider (12 pages)	075002
Stephen P. Martin	
Minimal direct gauge mediation (5 pages)	075003
Masahiro Ibe and Ryuichiro Kitano	
Multi-Higgs mass spectrum in gauge-Higgs unification (16 pages)	075004
Kentaro Kojima, Kazunori Takenaga, and Toshifumi Yamashita	
Spontaneous R -parity violation: Lightest neutralino decays and neutrino mixing angles at future colliders (15 pages)	075005
M. Hirsch, A. Vicente, and W. Porod	
Flavorful supersymmetry (11 pages)	075006
Yasunori Nomura, Michele Papucci, and Daniel Stolarski	
Unparticle self-interactions and their collider implications (7 pages)	075007
Jonathan L. Feng, Arvind Rajaraman, and Huitzu Tu	
Leptonic CP violation induced by approximately μ - τ symmetric seesaw mechanism (20 pages)	075008
Teppei Baba and Masaki Yasuè	
Determining heavy mass parameters in supersymmetric $SO(10)$ models (13 pages)	075009
F. Deppisch, A. Freitas, W. Porod, and P.M. Zerwas	
Probing Majorana phases and the neutrino mass spectrum in the Higgs triplet model at the CERN LHC (12 pages)	075010
A.G. Akeroyd, Mayumi Aoki, and Hiroaki Sugiyama	
Extracting MSSM masses from heavy Higgs boson decays to four leptons at the CERN LHC (14 pages)	075011
P. Huang, N. Kersting, and H.H. Yang	
Light composite Higgs from an effective action for technicolor (10 pages)	075012
A. Doff, A.A. Natale, and P.S. Rodrigues da Silva	
Dark matter in the left-right twin Higgs model (10 pages)	075013
Ethan M. Dolle and Shufang Su	
Direct CP violation of $B \rightarrow l\nu$ in unparticle physics (6 pages)	075014
Chao-Shang Huang and Xiao-Hong Wu	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW D

THIRD SERIES, VOLUME 77, NUMBER 7

D1 APRIL 2008

Test of unparticle long range forces from perihelion precession of Mercury (<i>5 pages</i>)	076001
Suratna Das, Subhendra Mohanty, and Kumar Rao	
Standard model and supersymmetric flavor puzzles at the CERN Large Hadron Collider (<i>11 pages</i>)	076002
Jonathan L. Feng, Christopher G. Lester, Yosef Nir, and Yael Shadmi	
Collider phenomenology of Gauge-Higgs unification scenarios in warped extra dimensions (<i>23 pages</i>)	076003
Marcela Carena, Anibal D. Medina, Boris Panes, Nausheen R. Shah, and Carlos E. Wagner	
Fermion masses and mixings from dihedral flavor symmetries with preserved subgroups (<i>25 pages</i>)	076004
A. Blum, C. Hagedorn, and M. Lindner	
General conditions for lepton flavor violation at tree- and 1-loop level (<i>16 pages</i>)	076005
Alexander Blum and Alexander Merle	
Measuring smuon-selectron mass splitting at the CERN LHC and patterns of supersymmetry breaking (<i>6 pages</i>)	076006
B.C. Allanach, J.P. Conlon, and C.G. Lester	
BlackMax: A black-hole event generator with rotation, recoil, split branes, and brane tension (<i>29 pages</i>)	076007
De-Chang Dai, Glenn Starkman, Dejan Stojkovic, Cigdem Issever, Eram Rizvi, and Jeff Tseng	
Chiral susceptibility in an effective interaction model (<i>6 pages</i>)	076008
He Min, Jiang Yu, Sun Wei-Min, and Zong Hong-Shi	
Generation symmetry and E_6 unification (<i>16 pages</i>)	076009
Berthold Stech and Zurab Tavartkiladze	
Flavor changing neutral Higgs bosons in a supersymmetric extension based on a Q_6 family symmetry (<i>19 pages</i>)	076010
Naoko Kifune, Jisuke Kubo, and Alexander Lenz	

ERRATA

Erratum: Fractional analytic perturbation theory in Minkowski space and application to Higgs boson decay into a $b\bar{b}$ pair [Phys. Rev. D 75 , 056005 (2007)] (<i>2 pages</i>)	079901(E)
A.P. Bakulev, S.V. Mikhailov, and N.G. Stefanis	
Publisher's Note: Unparticle physics in diphoton production at the CERN LHC [Phys. Rev. D 77 , 055013 (2008)] (<i>1 page</i>)	079902(E)
M.C. Kumar, Prakash Mathews, V. Ravindran, and Anurag Tripathi	
Erratum: Semileptonic decays of doubly heavy baryons in the relativistic quark model [Phys. Rev. D 70 , 014018 (2004)] (<i>1 page</i>)	079903(E)
D. Ebert, R.N. Faustov, V.O. Galkin, and A.P. Martynenko	