

Publications in Refereed Journals

Publications with ATLAS

- 1) **ENGINEERING FOR THE ATLAS SEMICONDUCTOR TRACKER (SCT) END-CAP.** Published in JINST 3 (2008) P05002
- 2) **THE ATLAS EXPERIMENT AT THE CERN LARGE HADRON COLLIDER.** ATLAS Collaboration (G. Aad (Marseille, CPPM) et al.). 2008. 437 pp. Published in JINST 3 (2008) S08003
- 3) **THE DATA ACQUISITION AND CALIBRATION SYSTEM FOR THE ATLAS SEMICONDUCTOR TRACKER.** Published in JINST 3 (2008) P01003
- 4) **COMBINED PERFORMANCE TESTS BEFORE INSTALLATION OF THE ATLAS SEMICONDUCTOR AND TRANSITION RADIATION TRACKING DETECTORS.** Published in JINST 3 (2008) P08003
- 5) **THE INTEGRATION AND ENGINEERING OF THE ATLAS SEMICONDUCTOR TRACKER BARREL.** Published in JINST 3 (2008) P10006
- 6) **READINESS OF THE ATLAS LIQUID ARGON CALORIMETER FOR LHC COLLISIONS.** ATLAS Collaboration (G Aad (Marseille, CPPM) et al.). 2010. 31 pp. Published in Eur.Phys.J. C70 (2010) 723-753
- 7) **THE ATLAS SIMULATION INFRASTRUCTURE.** ATLAS Collaboration (Georges Aad et al.). 2010. 53 pp. Published in Eur.Phys.J. C70 (2010) 823-874
- 8) **DRIFT TIME MEASUREMENT IN THE ATLAS LIQUID ARGON ELECTROMAGNETIC CALORIMETER USING COSMIC MUONS.** ATLAS Collaboration (G Aad (Freiburg U.) et al.). 2010. 30 pp. Published in Eur.Phys.J. C70 (2010) 755-785
- 9) **THE ATLAS INNER DETECTOR COMMISSIONING AND CALIBRATION.** ATLAS Collaboration (G. Aad (Freiburg U.) et al.). 2010. 34 pp. Published in Eur.Phys.J. C70 (2010) 787-821
- 10) **COMMISSIONING OF THE ATLAS MUON SPECTROMETER WITH COSMIC RAYS.** ATLAS Collaboration (Georges Aad et al.). 2010. 58 pp. Published in Eur.Phys.J. C70 (2010) 875-916
- 11) **READINESS OF THE ATLAS TILE CALORIMETER FOR LHC COLLISIONS.** ATLAS Collaboration (Georges Aad et al.). CERN-PH-EP-2010-024. Jul 2010. 64 pp. Published in Eur.Phys.J. C70 (2010) 1193-1236
- 12) **CHARGED-PARTICLE MULTIPLICITIES IN PP INTERACTIONS AT $\sqrt{s} = 900$ GEV MEASURED WITH THE ATLAS DETECTOR AT THE LHC.** ATLAS Collaboration (G. Aad (Freiburg U.) et al.). CERN-PH-EP-2010-004. Mar 2010. 40 pp. Published in Phys.Lett. B688 (2010) 21-42
- 13) **PERFORMANCE OF THE ATLAS DETECTOR USING FIRST COLLISION DATA.** Atlas Collaboration (G Aad et al.). May 2010. 65 pp. Published in JHEP 1009 (2010) 056
- 14) **SEARCH FOR NEW PARTICLES IN TWO-JET FINAL STATES IN 7 TEV PROTON-PROTON COLLISIONS WITH THE ATLAS DETECTOR AT THE LHC.** ATLAS Collaboration (Georges Aad et al.). Sep 2010. 20 pp. Published in Phys.Rev.Lett. 105 (2010) 161801

- 15) **MEASUREMENT OF INCLUSIVE JET AND DIJET CROSS SECTIONS IN PROTON-PROTON COLLISIONS AT 7 TEV CENTRE-OF-MASS ENERGY WITH THE ATLAS DETECTOR.** Atlas Collaboration (Georges Aad et al.). CERN-PH-EP-2010-034. Sep 2010. 67 pp. Published in Eur.Phys.J. C71 (2011) 1512
- 16) **SEARCH FOR QUARK CONTACT INTERACTIONS IN DIJET ANGULAR DISTRIBUTIONS IN PP COLLISIONS AT $\sqrt{s} = 7$ TEV MEASURED WITH THE ATLAS DETECTOR.** ATLAS Collaboration (Georges Aad et al.). CERN-PH-EP-2010-033. Sep 2010. 22 pp. Published in Phys.Lett. B694 (2011) 327-345
- 17) **MEASUREMENT OF THE $W \rightarrow L\nu$ AND $Z/\text{GAMMA}^* \rightarrow \text{LL}$ PRODUCTION CROSS SECTIONS IN PROTON-PROTON COLLISIONS AT $\sqrt{s} = 7$ TEV WITH THE ATLAS DETECTOR.** Atlas Collaboration (Georges Aad et al.). CERN-PH-EP-2010-037. Oct 2010. 55 pp. Published in JHEP 1012 (2010) 060
- 18) **STUDIES OF THE PERFORMANCE OF THE ATLAS DETECTOR USING COSMIC-RAY MUONS.** The ATLAS Collaboration (G. Aad (Freiburg U.) et al.). Nov 2010. 22 pp. Published in Eur.Phys.J. C71 (2011) 1593
- 19) **OBSERVATION OF A CENTRALITY-DEPENDENT DIJET ASYMMETRY IN LEAD-LEAD COLLISIONS AT $\sqrt{s(\text{NN})} = 2.76$ TEV WITH THE ATLAS DETECTOR AT THE LHC.** Atlas Collaboration (Georges Aad (Freiburg U.) et al.). Nov 2010. Published in Phys.Rev.Lett. 105 (2010) 252303
- 20) **MEASUREMENT OF THE TOP QUARK-PAIR PRODUCTION CROSS SECTION WITH ATLAS IN PP COLLISIONS AT $\sqrt{s} = 7$ TEV.** Atlas Collaboration (Georges Aad (Freiburg U.) et al.). Dec 2010. 30 pp. Published in Eur.Phys.J. C71 (2011) 1577
- 21) **SEARCH FOR DIPHOTON EVENTS WITH LARGE MISSING TRANSVERSE ENERGY IN 7 TEV PROTON-PROTON COLLISIONS WITH THE ATLAS DETECTOR.** ATLAS Collaboration (Georges Aad (Freiburg U.) et al.). Dec 2010. 5 pp. Published in Phys.Rev.Lett. 106 (2011) 121803
- 22) **CHARGED-PARTICLE MULTIPLICITIES IN PP INTERACTIONS MEASURED WITH THE ATLAS DETECTOR AT THE LHC.** ATLAS Collaboration (Georges Aad et al.). Dec 2010. 70 pp. Published in New J.Phys. 13 (2011) 053033
- 23) **MEASUREMENT OF THE INCLUSIVE ISOLATED PROMPT PHOTON CROSS SECTION IN PP COLLISIONS AT $\sqrt{s} = 7$ TEV WITH THE ATLAS DETECTOR.** Atlas Collaboration (Georges Aad et al.). CERN-PH-EP-2010-068. Dec 2010. 33 pp. Published in Phys.Rev. D83 (2011) 052005
- 24) **MEASUREMENT OF THE CENTRALITY DEPENDENCE OF J/ψ YIELDS AND OBSERVATION OF Z PRODUCTION IN LEAD-LEAD COLLISIONS WITH THE ATLAS DETECTOR AT THE LHC.** Atlas Collaboration (Georges Aad et al.). CERN-PH-EP-2010-090. Dec 2010. 46 pp. Published in Phys.Lett. B697 (2011) 294-312
- 25) **MEASUREMENT OF THE PRODUCTION CROSS SECTION FOR W-BOSONS IN ASSOCIATION WITH JETS IN PP COLLISIONS AT $\sqrt{s} = 7$ TEV WITH THE ATLAS DETECTOR.** ATLAS Collaboration (Georges Aad (Freiburg U.) et al.). CERN-PH-EP-2010-081. Dec 2010. 26 pp. Published in Phys.Lett. B698 (2011) 325-345
- 26) **STUDY OF JET SHAPES IN INCLUSIVE JET PRODUCTION IN PP COLLISIONS AT $\sqrt{s} = 7$ TEV USING THE ATLAS DETECTOR.** Atlas Collaboration (Georges Aad et al.). CERN-PH-EP-2010-077. Jan 2011. 35 pp. Published in Phys.Rev. D83 (2011) 052003

- 27) **LUMINOSITY DETERMINATION IN PP COLLISIONS AT $\sqrt{s}=7$ TEV USING THE ATLAS DETECTOR AT THE LHC.** ATLAS Collaboration (Georges Aad (Freiburg U.) et al.). Jan 2011. 24 pp. Published in Eur.Phys.J. C71 (2011) 1630
- 28) **SEARCH FOR MASSIVE LONG-LIVED HIGHLY IONISING PARTICLES WITH THE ATLAS DETECTOR AT THE LHC.** ATLAS Collaboration (Georges Aad (Freiburg U.) et al.). Feb 2011. 7 pp. Published in Phys.Lett. B698 (2011) 353-370
- 29) **SEARCH FOR SUPERSYMMETRY USING FINAL STATES WITH ONE LEPTON, JETS, AND MISSING TRANSVERSE MOMENTUM WITH THE ATLAS DETECTOR IN $\sqrt{s} = 7$ TEV PP.** Atlas Collaboration (Georges Aad (Freiburg U.) et al.). Feb 2011. 5 pp. Published in Phys.Rev.Lett. 106 (2011) 131802
- 30) **SEARCH FOR SQUARKS AND GLUINOS USING FINAL STATES WITH JETS AND MISSING TRANSVERSE MOMENTUM WITH THE ATLAS DETECTOR IN $\sqrt{s} = 7$ TEV PROTON-PROTON COLLISIONS.** Atlas Collaboration (Georges Aad (Freiburg U.) et al.). Feb 2011. 5 pp. Published in Phys.Lett. B701 (2011) 186-203
- 31) **SEARCH FOR HIGH-MASS STATES WITH ONE LEPTON PLUS MISSING TRANSVERSE MOMENTUM IN PROTON-PROTON COLLISIONS AT $\sqrt{s}=7$ TEV WITH THE ATLAS DETECTOR.** ATLAS Collaboration (Georges Aad (Freiburg U.) et al.). Mar 2011. 22 pp. Published in Phys.Lett. B701 (2011) 50-69
- 32) **MEASUREMENTS OF UNDERLYING-EVENT PROPERTIES USING NEUTRAL AND CHARGED PARTICLES IN PP COLLISIONS AT 900 GEV AND 7 TEV WITH THE ATLAS DETECTOR AT THE LHC.** ATLAS Collaboration (Georges Aad (Freiburg U.) et al.). Mar 2011. 20 pp. Published in Eur.Phys.J. C71 (2011) 1636
- 33) **SEARCH FOR STABLE HADRONISING SQUARKS AND GLUINOS WITH THE ATLAS EXPERIMENT AT THE LHC.** ATLAS Collaboration (Georges Aad (Freiburg U.) et al.). Mar 2011. 9 pp. Published in Phys.Lett. B701 (2011) 1-19
- 34) **SEARCH FOR NEW PHYSICS IN DIJET MASS AND ANGULAR DISTRIBUTIONS IN PP COLLISIONS AT $\sqrt{s}=7$ MEASURED WITH THE ATLAS DETECTOR.** ATLAS Collaboration (Georges Aad (Freiburg U.) et al.). Mar 2011. 29 pp. Published in New J.Phys. 13 (2011) 053044
- 35) **SEARCH FOR HIGH MASS DILEPTON RESONANCES IN PP COLLISIONS AT $\sqrt{s}=7$ TEV WITH THE ATLAS EXPERIMENT.** ATLAS Collaboration (Georges Aad (Freiburg U.) et al.). Mar 2011. 7 pp. Published in Phys.Lett. B700 (2011) 163-180
- 36) **LIMITS ON THE PRODUCTION OF THE STANDARD MODEL HIGGS BOSON IN PP COLLISIONS AT $\sqrt{s} = 7$ TEV WITH THE ATLAS DETECTOR.** ATLAS Collaboration (Georges Aad (Freiburg U.) et al.). Jun 2011. 19 pp. e-Print: arXiv:1106.2748 [hep-ex]

Publications with BaBar

1) MEASUREMENT OF THE $B^0 \rightarrow D^{*-} D_s^{*+}$ AND $D_s^+ \rightarrow \phi \pi^+$ BRANCHING FRACTIONS

By BaBar Collaboration, B. Aubert et al.,
SLAC-PUB-11037, February 25, 2005, *Phys.Rev.D* 71 (2005) 091104

2) MEASUREMENT OF BRANCHING FRACTIONS AND CHARGE ASYMMETRIES IN B^+ DECAYS TO ηK^+ , $\eta \rho^+$ AND $\eta' \pi^+$, AND SEARCH FOR B^0 DECAYS TO ηK^0 AND $\eta \omega$

By BaBar Collaboration, B. Aubert et al.,
SLAC-PUB-11079, March 21, 2005, *Phys.Rev.Lett.* 95, 131803 (2005)

3) MEASUREMENT OF THE BRANCHING FRACTION OF $Y(4AS) \rightarrow B^0 \bar{B}^0$

By BaBar Collaboration, B. Aubert et al.,
SLAC-PUB-11085, 1 April, 2005, *Phys.Rev.Lett.* 95 (2005) 042001

4) SEARCH FOR $B^- \rightarrow J\psi$ D DECAYS

By BaBar Collaboration, B. Aubert et al.,
SLAC-PUB-11054, March 10, 2005, *Physical Review D* 71 (2005) 091103

5) EVIDENCE FOR THE DECAY $B^\mp \rightarrow K^{*\mp} \pi^0$

By BaBar Collaboration, B. Aubert et al.,
SLAC-PUB-11057, April 6, 2005, *Physical Review D* 71, 111101 (2005)

6) IMPROVED MEASUREMENT OF THE CKM ANGLE α USING $B^0(\bar{B}^0) \rightarrow \rho^+ \rho^-$ DECAYS.

By BaBar Collaboration, B. Aubert et al.,
SLAC-PUB-11081, March 29, 2005, *Phys.Rev.Lett.* 95 (2005) 041805

7) PRODUCTION AND DECAY OF Ξ_c^0 AT BABAR

By BaBar Collaboration, B. Aubert et al.,
SLAC-PUB-11100, April 8, 2005, *Phys.Rev.Lett.* 95 (2005) 142003

8) SEARCH FOR THE RARE DECAY $\bar{B}^0 \rightarrow D^{*0} \gamma$

By BaBar Collaboration, B. Aubert et al.,
SLAC-PUB-11292, June 27 2005 *Phys.Rev.D* 72 (2005) 051106

9) MEASUREMENT OF γ IN $B^\mp \rightarrow D^{(*)} K^\mp$ DECAYS WITH A DALITZ ANALYSIS OF $D \rightarrow K_S^0 \pi^- \pi^+$

By BaBar Collaboration, B. Aubert et al.,
SLAC-PUB-11127, April 20, 2005, *Phys.Rev.Lett.* 95, 121802 (2005)

10) STUDY OF THE $\tau \rightarrow 3h^- 2h^+ \nu_\tau$ DECAY

By BaBar Collaboration, B. Aubert et al.,
SLAC-PUB-11155, May 2, 2005 *Phys.Rev.Lett.* 72, 072001 (2005)

11) **SEARCH FOR $B \rightarrow u$ TRANSITIONS IN $B^- \rightarrow D^0 K^-$ AND $B^- \rightarrow D^{*0} K^-$**

By BaBar Collaboration, B. Aubert et al.,
SLAC-PUB-11137, Apr 2005. *Phys.Rev.D* 72, 032004 (2005)

12) **MEASUREMENT OF TIME-DEPENDENT CP-VIOLATING ASYMMETRIES AND CONSTRAINTS ON $\sin(2\beta + \gamma)$ WITH PARTIAL RECONSTRUCTION OF**

$$B \rightarrow D^{*\mp} \pi^\pm$$

By BaBar Collaboration, B. Aubert et al.,
SLAC-PUB-11136, April 19, 2005. *Phys.Rev.D* 71, 112003 (2005)

13) **SEARCH FOR THE RARE DECAYS $B^+ \rightarrow D^{(*)} + K_s^0$**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11255, May 31, 2005. *Phys.Rev.D* 72, 011102 (2005)

14) **SEARCH FOR THE DECAY $\tau^- \rightarrow 4\pi^- 3\pi^+ (\pi^0) \nu_\tau$**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11229, Jun 2005. *Phys.Rev.D* 72, 012003 (2005)

15) **MEASUREMENT OF THE BRANCHING FRACTION AND DECAY RATE ASYMMETRY OF $B \rightarrow D_{\pi+\pi-\pi^0} K^-$**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11245, 26 May 2005. *Phys.Rev.D* 72, 071102 (2005)

16) **MEASUREMENT OF TIME-DEPENDENT CP ASYMMETRIES IN $B^0 \rightarrow D^{(*)\pm} D^\mp$ DECAYS.**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11247, 1 June 2005. *Phys.Rev.Lett.* 95, 131802 (2005)

17) **DETERMINATION OF $|V_{UB}|$ FROM MEASUREMENTS OF THE ELECTRON AND NEUTRINO MOMENTA IN INCLUSIVE SEMILEPTONIC B DECAYS.**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11278, 9 September 2005. Presented. *Phys.Rev.Lett* 95, 111801 (2005)

18) **SEARCH FOR LEPTON-FLAVOR AND LEPTON-NUMBER VIOLATION IN THE DECAY $\tau^- \rightarrow l^\mp h^\pm h'^-$**

By BaBar Collaboration (B. Aubert et al.).
SLAC-PUB-11300, 27 June 2005. *Phys.Rev.Lett.* 95, 191801 (2005)

19) **MEASUREMENT OF THE $B^+ \rightarrow p\bar{p}K^+$ BRANCHING FRACTION AND STUDY OF THE DECAY DYNAMICS.**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11296, Jul 2005. *Phys.Rev.D* 72 (2005) 051101

20) **MEASUREMENT OF DOUBLE CHARMONIUM PRODUCTION IN Error! Objects cannot be created from editing field codes. ANNIHILATIONS AT Error! Objects cannot be created from editing field codes.= 10.6-GEV.**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11287, Jun 2005. Contributed. *Phys.Rev.D* 72 (2005) 031101

21) MEASUREMENT OF THE \bar{B}^0 LIFETIME AND THE $B^0\bar{B}^0$ OSCILLATION FREQUENCY USING PARTIALLY RECONSTRUCTED $\bar{B}^0 \rightarrow D^{*+}l^-\bar{\nu}_l$ DECAYS.

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11343, Jul 2005. Published in *Phys.Rev.D* **73**:012004 (2006)

22) DALITZ PLOT ANALYSIS OF $D^0 \rightarrow \bar{K}^0 K^+ K^-$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11333, Jul 2005. Published in *Phys.Rev.D* **72**:052008 (2005)

23) MEASUREMENT OF TIME-DEPENDENT CP ASYMMETRIES AND THE CP-ODD FRACTION IN THE DECAY $B^0 \rightarrow D^{*+}D^{*-}$

By BaBar Collaboration (B. Aubert et al.).
SLAC-PUB-11321, Jun 2005. *Phys.Rev.Lett* **95**, 151804(2005)

24) STUDY OF $B \rightarrow \pi l \nu$ AND $B \rightarrow \rho l \nu$ DECAYS AND DETERMINATION OF $|V_{UB}|$.

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11053, Jul 2005. *Phys.Rev.D* **72**, 051102 (2005)

25) MEASUREMENT OF CP ASYMMETRIES FOR THE DECAYS $B^\pm \rightarrow D^0_{CP} K^{*\pm}$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11324, Jul 2005. Prepared for 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005. *Phys.Rev.Lett* **72**, 071103 (2005).

26) DALITZ-PLOT ANALYSIS OF THE DECAYS $B^\pm \rightarrow K^\pm \pi^\mp \pi^\pm$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11327, Jul 2005. Presented at 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005. *Phys.Rev.D* **72**, 072003 (2005)

27) AN AMPLITUDE ANALYSIS OF THE DECAY $B^\pm \rightarrow \pi^\pm \pi^\pm \pi^\mp$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11332, Jul 2005. Presented at 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005. *Phys.Rev.D* **72**, 052002 (2005)

28) OBSERVATION OF A BROAD STRUCTURE IN THE $\pi^+\pi^-J/\psi$ MASS SPECTRUM AROUND 4.26-GEV/C²

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11320, Jun 2005. *Phys.Rev.Lett.* **95** (2005) 142001

29) MEASUREMENT OF THE TIME-DEPENDENT CP-VIOLATING ASYMMETRY IN $B^0 \rightarrow K_s^0 \pi^0 \gamma$ DECAYS

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11345, June 2005, Presented at 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005. *Phys.Rev.D -RC* **72**, 051103 (2005)

30) A PRECISION MEASUREMENT OF THE Λ_c^+ BARYON MASS.

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11331, Jul 2005. Prepared for 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005. *Phys.Rev.D* **72**, 052006 (2005)

31) MEASUREMENTS OF NEUTRAL B DECAY BRANCHING FRACTIONS TO K0(S) PI+ PI- FINAL STATES AND THE CHARGE ASYMMETRY OF $B^0 \rightarrow K^{*+}\pi^-$

By BABAR Collaboration (B. Aubert et al.).

SLAC-PUB-11325, Aug 2005. Published in *Phys.Rev.D* **73**: 031101 (2006)

32) A SEARCH FOR THE DECAY $B^+ \rightarrow \tau^+\nu_\tau$

By BABAR Collaboration (B. Aubert et al.).

SLAC-PUB-11358, Jul 2005. Submitted to *Phys.Rev.Lett.*

33) EVIDENCE FOR $B^+ \rightarrow \bar{K}^0 K^+$ AND $B^0 \rightarrow K^0 \bar{K}^0$, AND MEASUREMENT OF THE BRANCHING FRACTION AND SEARCH FOR DIRECT CP VIOLATION IN

$$B^+ \rightarrow K^0 \pi^+$$

By BaBar Collaboration (B. Aubert et al.).

SLAC-PUB-11334, Jul 2005. *Phys.Rev.Lett.* **95**, 221801 (2005)

34) MEASUREMENTS OF THE $B \rightarrow X_s \gamma$ BRANCHING FRACTION AND PHOTON SPECTRUM FROM A SUM OF EXCLUSIVE FINAL STATES.

By BABAR Collaboration (B. Aubert et al.).

SLAC-PUB-11365, Aug 2005. Presented at EPS International Europhysics Conference on High Energy Physics (HEPP-EPS 2005), Lisbon, Portugal, 21-27 Jul 2005. *Phys.Rev.D* **72**, 052004 (2005)

35) STUDY OF J/PSI PI+ PI- STATES PRODUCED IN $B^0 \rightarrow J/\psi \pi^+ \pi^- K^0$ AND

$$B^- \rightarrow J/\psi \pi^+ \pi^- K^-$$

By BABAR Collaboration (B. Aubert et al.).

SLAC-PUB-11370, Jul 2005. Published in *Phys.Rev.D* **73**:011101 (2006)

36) A STUDY OF $b \rightarrow c$ AND $b \rightarrow u$ INTERFERENCE IN THE DECAY

$$B^- \rightarrow [K^+ \pi^-]_D K^{*-}$$

By BABAR Collaboration, B. Aubert et al.

SLAC-PUB-11371, July 17, 2005. Presented at 2005 International Europhysics Conference on High Energy Physics. *Phys.Rev.D* **72**, 071104 (2005)

37) SEARCH FOR LEPTON FLAVOR VIOLATION IN THE DECAY $\tau^\pm \rightarrow e^\pm \gamma$

By BABAR Collaboration (B. Aubert et al.).

SLAC-PUB-11385, Aug 2005. Published in *Phys.Rev.Lett.* **96**:041801 (2006)

38) MEASUREMENT OF THE BRANCHING RATIOS

$$\Gamma(D^{*+} \rightarrow D^+ \pi^0) / \Gamma(D_s^{*+} \rightarrow D_s^* \gamma) \text{ AND } \Gamma(D^{*0} \rightarrow D^0 \pi^0) / \Gamma(D^{*0} \rightarrow D^0 \gamma)$$

By BABAR Collaboration (B. Aubert et al.).

SLAC-PUB-11431, Aug 2005. *Physical Review D* **72**:091101 (2005)

39) MEASUREMENT OF BRANCHING FRACTIONS AND RESONANCE

CONTRIBUTIONS FOR $B^0 \rightarrow \bar{D}^0 K^+ \pi^-$ AND SEARCH FOR $B^0 \rightarrow D^0 K^+ \pi^-$ DECAYS

By BABAR Collaboration (B. Aubert et al.).

SLAC-PUB-11474, September 2005, Published in *Phys.Rev.Lett.* **96**:011803(2006)

40) MEASUREMENT OF THE INCLUSIVE ELECTRON SPECTRUM IN CHARMLESS SEMILEPTONIC B DECAYS NEAR THE KINEMATIC ENDPOINT AND DETERMINATION OF $|V_{UB}|$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11499, September 2005, Published in *Phys.Rev.D* **73**:012006(2006)

41) SEARCH FOR THE W-EXCHANGE DECAYS $B^0 \rightarrow D_s^{(*)-} D_s^{(*)+}$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11502, October 2005, Published in *Phys.Rev.D* **72**:111101 (2005)

42) MEASUREMENTS OF THE ABSOLUTE BRANCHING FRACTIONS OF $B^\pm \rightarrow K^\pm X_{cc}^-$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11545, October 2005, Published in *Phys.Rev.Lett* **96**:052002 (2006)

43) SEARCH FOR RARE QUARK-ANNIHILATION DECAYS, $B^- \rightarrow D_s^{(*)-} \phi$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11520, December 2005, Published in *Phys.Rev.D* **73**:011103 (2006)

44) A SEARCH FOR THE RARE DECAY $B^0 \rightarrow \tau^+ \tau^-$ AT BABAR

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11558, November 2005, Submitted to *Phys. Rev. Lett.*

45) SEARCH FOR THE RARE DECAYS $B^0 \rightarrow D S^{(*)+} A_0(2)^-$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11600, December 2005, Published in *PRD-RC* **73**:071103 (2006)

46) A STUDY OF $e^+ e^- \rightarrow p \bar{p}$ USING INITIAL STATE RADIATION WITH BABAR

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11587, December 2005, Published in *Phys.Rev.D* **73**:012005 (2006)

47) MEASUREMENTS OF THE BRANCHING FRACTIONS AND CP-ASYMMETRIES OF $B \rightarrow D_{CP}^0 K$ DECAYS

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11610, December 2005, Published in *Phys.Rev.D* **73**:051105 (2006)

48) MEASUREMENTS OF Λ_c^+ BRANCHING FRACTIONS OF CABIBBO-

SUPPRESSED DECAY MODES INVOLVING Λ AND Σ^0

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11619, January 2006, Submitted to *Phys.Rev.D*

49) DETERMINATIONS OF $|V_{ub}|$ FROM INCLUSIVE SEMILEPTONIC B DECAYS WITH REDUCED MODEL DEPENDENCE

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11582, February 2006, Submitted to *Phys. Rev. Lett.*

50) THE $e^+ e^- \rightarrow 3(\pi^+ \pi^-)$, $2(\pi^+ \pi^- \pi^0)$ AND $K^+ K^- 2(\pi^+ \pi^-)$ CROSS SECTIONS AT CENTER-OF-MASS ENERGIES FROM PRODUCTION THRESHOLD TO 4.5 GeV MEASURED WITH INITIAL-STATE RADIATION

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11663, February 2006, Published in *Phys.Rev.D* **73**:052003(2006)

51) MEASUREMENTS OF THE $B \rightarrow D^{(*)}$ FORM FACTORS USING THE DECAY

$$\bar{B}^0 \rightarrow D^{*+} e^- \bar{\nu}_e$$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11672, February 2006, Submitted to *Phys.Rev.D*

52) MEASUREMENT OF TIME-DEPENDENT CP ASYMMETRIES IN $B^0 \rightarrow D^{(*)\pm} \pi^\mp$
AND $B^0 \rightarrow D^\pm \rho^\mp$ DECAYS

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11719, March 2006, Submitted to *Phys.Rev.D RC*

53) MEASUREMENTS OF THE BRANCHING FRACTION AND TIME-DEPENDENT
CP ASSYMMETRIES OF $B^0 \rightarrow J/\psi \pi^0$ DECAYS

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11731, March 2006, Submitted to *Phys.Rev.D RC*

54) BRANCHING FRACTION LIMITS FOR B^0 DECAYS TO $\eta' \eta, \eta' \pi^0$ AND $\eta \pi^0$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11735, March 2006, Published in *Phys.Rev.D* 73:071102(2006)

55) OBSERVATION OF B^0 MESON DECAY TO $a_1^\pm(1260) \pi^\mp$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11769, March 2006, Submitted to *Phys.Rev.Lett*

56) MEASUREMENTS OF CP-VIOLATING ASYMMETRIES AND BRANCHING
FRACTIONS IN B DECAYS TO ωK AND $\omega \pi$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11777, March 2006, Submitted to *Phys.Rev.Lett*

57) OBSERVATION OF A CHARMED BARYON DECAYING TO Error! Objects cannot
be created from editing field codes. AT A MASS NEAR 2.94 GEV/C²

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11786, March 2006, Submitted to *Phys.Rev.Lett*

58) SEARCH FOR T, CP AND CPT VIOLATION IN $B^0 - \bar{B}^0$ MIXING WITH
INCLUSIVE DILEPTON EVENTS

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SLAC-PUB-11787, March 2006, Submitted to *Phys.Rev.Lett*

59) MEASUREMENT OF BRANCHING FRACTIONS IN RADIATIVE Error! Objects
cannot be created from editing field codes. DECAYS TO Error! Objects cannot be created
from editing field codes. AND SEARCH FOR B DECAYS TO $\eta' K \gamma$

By BABAR Collaboration (B. Aubert et al.).
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60) SEARCH FOR THE CHARMED PENTAQUARK CANDIDATE $\Theta_c(3100)^0$ IN $e^+ e^-$
ANNIHILATIONS AT $\sqrt{s} = 10.58$ GEV

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11779, April 2006, Published in *Phys.Rev.D* 73:091101 (2006)

61) **SEARCH FOR THE DECAY $\tau^- \rightarrow 3\pi^- 2\pi^+ 2\pi^0 \nu_\tau$**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11804, April 2006, Submitted to *PRD-RC*

62) **MEASUREMENTS OF BRANCHING FRACTIONS, RATE ASYMMETRIES, AND ANGULAR DISTRIBUTIONS IN THE RARE DECAYS $B \rightarrow K\ell^+\ell^-$ AND $B \rightarrow K^*\ell^+\ell^-$**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11799, April 2006, Published in *Phys.Rev.D* **73**:092001 (2006)

63) **OBSERVATION OF DECAYS $B^0 \rightarrow D_s^{(*)+}\pi^-$ AND $B^0 \rightarrow D_s^{(*)-}K^+$**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11803, April 2006, Submitted to *Phys.Rev.Lett*

64) **STUDY OF THE DECAY $\bar{B}^0 \rightarrow D^{*+}\omega\pi^-$**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11801, April 2006, Published in *PRD* **74**:012001 (2006)

65) **A STUDY OF THE $D_{sJ}^*(2317)^+$ AND $D_{sJ}(2460)^+$ MESONS IN INCLUSIVE $c\bar{c}$ PRODUCTION NEAR $\sqrt{s} = 10.6$ GEV**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11816, April 2006, Published in *PRD* **74**:032007 (2006)

66) **OBSERVATION OF $\sqrt{s} = Y(4S)$ DECAYS TO $\pi^+\pi^-Y(1S)$ AND $\pi^+\pi^-Y(2S)$**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11817, April 2006, Published in *Phys.Rev.Lett* **96**:232001 (2006)

67) **MEASUREMENT OF THE $B^- \rightarrow D^0 K^{*-}$ BRANCHING FRACTION**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11807, April 2006, Published in *PRD-RC* **73**:111104 (2006)

68) **MEASUREMENT OF $\bar{B}^0 \rightarrow D^{(*)0}\bar{K}^{(*)0}$ BRANCHING FRACTIONS**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11806, April 2006, Published in *PRD-RC* **74**:031101 (2006)

69) **MEASUREMENT OF BRANCHING FRACTIONS AND CP -VIOLATING CHARGE ASYMMETRIES FOR B MESON DECAYS TO $D^{(*)}\bar{D}^{(*)}$, AND IMPLICATIONS FOR THE CKM ANGLE γ**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11821, April 2006, Published in *PRD* **73**:112004 (2006)

70) **SEARCH FOR B MESON DECAYS TO $\eta'\eta'K$**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11834, May 2006, Published in *PRD-RC* **74**:031105 (2006)

71) **SEARCH FOR THE DECAY $B^0 \rightarrow a_1^\pm \rho^\mp$**

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11850, May 2006, Published in *PRD-RC* **74**:031104 (2006)

72) STUDY OF $B \rightarrow D^{(*)} D_{s(J)}^{(*)}$ DECAYS AND MEASUREMENT OF D_s^- AND $D_{sJ}^- (2460)^-$ BRANCHING FRACTIONS

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11855, May 2006, Published in *PRD-RC* **74**:031103 (2006)

73) SEARCH FOR $B^+ \rightarrow \phi\pi^+$ AND $B^0 \rightarrow \phi\pi^0$ DECAYS

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11854, May 2006, Published in *PRD-DC* **74**:011102(2006)

74) MEASUREMENT OF THE η AND η' TRANSITION FORM FACTORS AT $q^2 = 112 \text{ GeV}^2$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11849, May 2006, Published in *PRD* **74**:012002 (2006)

75) B MESON DECAYS TO ωK^* , $\omega\rho$, $\omega\omega$, $\omega\phi$ AND ωf_0

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11848, May 2006, Published in *PRD-RC* **74**:051102 (2006)

76) MEASUREMENT OF THE $D^+ \rightarrow \pi^+\pi^-$ AND $D^+ \rightarrow K^+\pi^0$ BRANCHING FRACTIONS

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11861, May 2006, Published in *PRD-RC* **74**:011107 (2006)

77) SEARCH FOR DOUBLY CHARMED BARYONS Ξ_{cc}^+ AND Ξ_{cc}^{++} IN BABAR

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11866, May 2006, Published in *PRD-RC* **74**:011103 (2006)

78) MEASUREMENT OF THE BRANCHING FRACTIONS OF THE DECAYS

$B^0 \rightarrow D^{*-} p\bar{p}\pi^+$, $B^0 \rightarrow D^- p\bar{p}\pi^+$, $B^0 \rightarrow \bar{D}^{*0} p\bar{p}$, AND $B^0 \rightarrow \bar{D}^0 p\bar{p}$

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79) SEARCH FOR THE DECAY OF A B^0 OR \bar{B}^0 MESON TO $\bar{K}^{*0} K^0$ OR $K^{*0} \bar{K}^0$

By BABAR Collaboration (B. Aubert et al.).
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80) SEARCH FOR THE DECAY $B^0 \rightarrow K_s^0 K_s^0 K_L^0$

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11902, June 2006, Published in *PRD* **74**:032005 (2006)

81) MEASUREMENT OF THE SPIN OF THE Ω^- HYPERON AT BABAR

By BABAR Collaboration (B. Aubert et al.).
SLAC-PUB-11896, June 2006, Published in *Phys.Rev.Lett* **97**:112001 (2006)

82) OBSERVATION OF e^+e^- ANNIHILATIONS INTO THE $C = +1$ HADRONIC FINAL STATES $\rho^0\rho^0$ AND $\phi\rho^0$

By BABAR Collaboration (B. Aubert et al.).

SLAC-PUB-11923, June 2006, Published in *Phys.Rev.Lett* **97**:112002 (2006)

83) MEASUREMENT OF THE RATIO $\beta(B^+ \rightarrow X e \nu) / \beta(B^0 \rightarrow X e \nu)$

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SLAC-PUB-12027, August 2006, Published in *PRD-RC* **74**:091105 (2006)

84) MEASUREMENT OF THE BRANCHING FRACTION AND PHOTON ENERGY MOMENTS OF $\rho^0 \rho^0$ AND $A_{CP}(B \rightarrow X_{s+d\gamma})$

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SLAC-PUB-12002, July 2006, Published in *Phys.Rev.Lett* **97**: 171803 (2006)

85) MEASUREMENT OF THE $B \rightarrow \pi l \nu$ BRANCHING FRACTION AND DETERMINATION OF $|V_{ub}|$ WITH TAGGED B MESONS

By BABAR Collaboration (B. Aubert et al.).

SLAC-PUB-11966, August 2006, Published in *Phys.Rev.Lett* **97**:211801 (2006)

86) SEARCH FOR $B^+ \rightarrow X(3872)K^+$, $X(3872) \rightarrow J/\psi \gamma$

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87) BRANCHING FRACTION MEASUREMENTS OF CHARGED B DECAYS TO $K^{*+} K^+ K^-$, $K^{*+} \pi^+ K^-$, $K^{*+} K^+ \pi^-$ AND $K^{*+} \pi^+ \pi^-$ FINAL STATES

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88) OBSERVATION OF A NEW D_s MESON DECAYING TO DK AT A MASS OF $2 \cdot 86 \text{ GeV} / c^2$

By BABAR Collaboration (B. Aubert et al.).

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89) OBSERVATION OF $B \rightarrow \eta' K^*$ AND EVIDENCE FOR $B^+ \rightarrow \eta' \rho^+$

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90) BRANCHING FRACTION MEASUREMENT OF $\bar{B}^0 \rightarrow D^{(*)+} \pi^-$ AND $\bar{B}^0 \rightarrow D^{(*)+} \pi^-$ AND ISOSPIN ANALYSES OF $\bar{B} \rightarrow D^{(*)} \pi$ DECAYS

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SLAC-PUB-12031, June 2006, Submitted to *PRD-RC*

91) IMPROVED MEASUREMENTS OF THE BRANCHING FRACTIONS FOR $B^0 \rightarrow \pi^+ \pi^-$ AND $B^0 \rightarrow K^+ \pi^-$, AND A SEARCH FOR $B^0 \rightarrow K^+ K^-$

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92) PRECISE BRANCHING RATIO MEASUREMENTS OF THE DECAYS

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SLAC-PUB-11977, June 2006, Published in *PRD-RC* **74**: 091102 (2006)

93) SEARCH FOR $D^0 - \bar{D}^0$ MIXING AND BRANCHING-RATIO MEASUREMENT IN THE DECAY $D^0 \rightarrow K^+ \pi^- \pi^0$

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-12036, August 2006, Published in *Phys.Rev.Lett* **97**: 221803 (2006)

94) MEASUREMENTS OF BRANCHING FRACTIONS, POLARIZATIONS, AND DIRECT CP-VIOLATION ASYMMETRIES IN $B \rightarrow \rho K^*$ AND $B \rightarrow f_0(980)K^*$ DECAYS

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-11997, July 2006, Published in *Phys.Rev.Lett* **97**:201801 (2006)

95) SEARCHES FOR ERROR! OBJECTS CANNOT BE CREATED FROM EDITING FIELD CODES. DECAYS TO ηK^0 , $\eta\eta$, $\eta'\eta'$, $\eta\phi$, AND $\eta'\phi$

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-11992, July 2006, Published in *PRD-RC* **74**:051106 (2006)

96) MEASUREMENTS OF BRANCHING FRACTION, POLARIZATION, AND CHARGE ASYMMETRY OF $B^\pm \rightarrow \rho^\pm \rho^0$ AND A SEARCH FOR $B^\pm \rightarrow \rho^\pm f_0(980)$

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-11981, July 2006, Submitted to *Phys.Rev.Lett*

97) MEASUREMENT OF BRANCHING FRACTIONS AND CHARGE ASYMMETRIES IN B DECAYS TO AN η MESON AND A K^* MESON

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-12011, August 2006, Published in *Phys.Rev.Lett* **97**:201802 (2006)

98) INCLUSIVE Λ_c^+ PRODUCTION IN e^+e^- ANNIHILATIONS AT $\sqrt{s} = 10 \cdot 54 GeV$ AND IN $\Psi(4S)$ DECAYS

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-12074, September 2006, Submitted to *PRD*

99) OBSERVATION OF AN EXCITED CHARM BARYON Ω_c^* DECAYING TO $\Omega_c^0 \gamma$

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-12075, August 2006, Submitted to *Phys.Rev.Lett*

100) MEASUREMENT OF THE ABSOLUTE BRANCHING FRACTIONS $B \rightarrow D\pi$, $D^*\pi$, $D^{}\pi$ WITH A MISSING MASS METHOD**

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-12107, September 2006, Submitted to *PRD-RC*

101) OBSERVATION OF $B^+ \rightarrow \bar{K}^0 K^+$ AND $B^0 \rightarrow K^0 \bar{K}^0$

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-12040, August 2006, Published in *Phys.Rev.Lett* **97**: 171805 (2006)

102) OBSERVATION OF $B \rightarrow \eta' K^*$ AND EVIDENCE FOR $B^+ \rightarrow \eta' \rho^+$

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-11999, August 2006, Submitted to *Phys.Rev.Lett*

103) OBSERVATION OF $B^+ \rightarrow \phi\phi K^+$ AND EVIDENCE FOR $B^0 \rightarrow \phi\phi K^0$ BELOW η_c THRESHOLD

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12113, September 2006, Submitted to *Phys.Rev.Lett*

104) MEASUREMENT OF THE CP ASYMMETRY AND BRANCHING FRACTION OF $B^0 \rightarrow \rho^0 K^0$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12072, August 2006, Submitted to *Phys.Rev.Lett*

105) MEASUREMENT OF THE BRANCHING FRACTION AND TIME-DEPENDENT CP ASYMMETRY IN THE DECAY $B^0 \rightarrow D^{*+} D^{*-} K_s^0$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12045, August 2006, Published in *PRD-RC* 74:091101 (2006)

106) SEARCH FOR THE REACTIONS $e^+e^- \rightarrow \mu^+\tau^-$ AND $e^+e^- \rightarrow e^+\tau^-$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-11972, July 2006, Submitted to *PRD-RC*

107) MEASUREMENT OF THE PSEUDOSCALAR DECAY CONSTANT USING CHARM-TAGGED EVENTS IN e^+e^- COLLISIONS AT $\sqrt{s} = 10 \cdot 58 GeV$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-11968, August 2006, Submitted to *Phys.Rev.Lett*

108) MEASUREMENT OF THE DECAYS $B^0 \rightarrow \bar{D}^0 p\bar{p}$, $B^0 \rightarrow \bar{D}^{*0} p\bar{p}$, $B^0 \rightarrow D^- p\bar{p}\pi^+$, AND $B^0 \rightarrow D^{*-} p\bar{p}\pi^+$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-11933, July 2006, Published in *PRD-RC* 74: 051101 (2006)

109) STUDY OF INCLUSIVE B^- AND \bar{B}^0 DECAYS TO FLAVOR-TAGGED D , D_s AND Λ_c^+

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-11898, June 2006, Submitted to *PRD*

110) MEASUREMENT OF BRANCHING FRACTIONS AND MASS SPECTRA OF $B \rightarrow K\pi\pi\gamma$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-11288, June 2006, Submitted to *Phys.Rev.Lett*

111) A STRUCTURE AT 2175 MEV IN $e^+e^- \rightarrow \phi f_0(980)$ OBSERVED VIA INITIAL-STATE RADIATION

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12146, October 2006, Published in *PRD* 74:091103 (2006)

112) SEARCH FOR LEPTON FLAVOR VIOLATING DECAYS $\tau^\pm \rightarrow \ell^\pm \pi^0, \ell^\pm \eta, \ell^\pm \eta'$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12170, October 2006, Submitted to *Phys.Rev.Lett*

113) MEASUREMENT OF B DECAYS TO ϕK_γ

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12217, November 2006, Submitted to *PRD-RC*

114) OBSERVATION OF CP VIOLATION IN $B^0 \rightarrow \eta' K^0$ DECAYS

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12127, September 2006, Submitted to *Phys.Rev.Lett*

**115) VECTOR-TENSOR AND VECTOR-VECTOR DECAY AMPLITUDE ANALYSIS
OF $B^0 \rightarrow \phi K^{*0}$**

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12158, October 2006, Submitted to *Phys.Rev.Lett*

**116) OBSERVATION OF THE EXCLUSIVE REACTION $e^+e^- \rightarrow \phi\eta$ AT $\sqrt{s} = 10 \cdot 58$
GEV**

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12200, November 2006, Submitted to *PRD-RC*

117) EVIDENCE FOR THE RARE DECAY $B^+ \rightarrow D_s^+ \pi^0$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12197, November 2006, Submitted to *Phys.Rev.Lett*

118) MEASUREMENT OF CP ASYMMETRY IN $B^0 \rightarrow K_s^0 \pi^0 \pi^0$ DECAYS

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12335, February 2007, Submitted to *PRD-RC*

**119) MEASUREMENT OF THE $B^0 \rightarrow \pi^- \ell^+ \nu$ FORM-FACTOR SHAPE AND
BRANCHING FRACTION, AND DETERMINATION OF $|V_{ub}|$ WITH A LOOSE
NEUTRINO RECONSTRUCTION TECHNIQUE**

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12253, February 2007, Published in *Phys.Rev.Lett* **98**: 091801 (2007)

**120) BRANCHING FRACTION MEASUREMENTS OF $B^+ \rightarrow \rho^+ \gamma$, $B^0 \rightarrow \rho^0 \gamma$, AND
 $B^0 \rightarrow \omega \gamma$**

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12253, February 2007, Submitted to *Phys.Rev.Lett*

**121) MEASUREMENTS OF CP -VIOLATING ASYMMETRIES IN $B^0 \rightarrow a_1^\pm(1260)\pi^\mp$
DECAYS**

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12257, December 2006, Submitted to *Phys.Rev.Lett*

**122) EVIDENCE FOR $B^0 \rightarrow \rho^0 \rho^0$ DECAY AND IMPLICATIONS FOR THE CKM
ANGLE α**

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12259, December 2006, Published in *Phys.Rev.Lett* **98**: 111801 (2007)

123) MEASUREMENT OF THE $B^{\pm} \rightarrow \rho^{\pm}\pi^0$ BRANCHING FRACTION AND DIRECT CP ASYMMETRY

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12285, January 2007, Submitted to *Phys.Rev.Lett*

124) MEASUREMENT OF CP ASYMMETRIES IN $B^0 \rightarrow K_S^0 K_S^0 K_S^0$ DECAYS

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12366, February 2007, Submitted to *Phys.Rev.Lett*

125) SEARCH FOR THE RARE DECAY $B \rightarrow \pi\ell^+\ell^-$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12389, February 2007, Submitted to *Phys.Rev.Lett*

126) MEASUREMENT OF CP-VIOLATING ASYMMETRIES IN $B^0 \rightarrow (\rho\pi)^0$ USING A TIME-DEPENDENT DALITZ PLOT ANALYSIS

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12377, March 2007, Submitted to *PRD*

127) OBSERVATION OF $B^+ \rightarrow \rho^+ K^0$ AND MEASUREMENT OF ITS BRANCHING FRACTION AND CHARGE ASYMMETRY

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12210, February 2007, Submitted to *Phys.Rev.Lett*

128) MEASUREMENT OF THE TIME-DEPENDENT CP ASYMMETRY IN $B^0 \rightarrow D_{CP}^{(*)} h^0$ DECAYS

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12380, March 2007, Submitted to *Phys.Rev.Lett*

129) PRODUCTION AND DECAY OF Ω_c^0

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12398, March 2007, Submitted to *Phys.Rev.Lett*

130) MEASUREMENT OF THE RELATIVE BRANCHING FRACTIONS OF $\bar{B} \rightarrow D/D^*/D^{} \ell \bar{\nu}_{\ell}$ DECAYS IN EVENTS WITH A FULLY RECONSTRUCTED B MESON**

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12393, March 2007, Submitted to *PRD-RC*

131) OBSERVATION OF CP VIOLATION IN $B^0 \rightarrow K^+\pi^-$ AND $B^0 \rightarrow \pi^+\pi^-$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12387, March 2007, Submitted to *Phys.Rev.Lett*

132) IMPROVED MEASUREMENT OF CP VIOLATION IN NEUTRAL B DECAYS TO $c\bar{c}s$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12391, March 2007, Submitted to *Phys.Rev.Lett*

133) EVIDENCE FOR $D^0 - \bar{D}^0$ MIXING

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12385, March 2007, Submitted to *Phys.Rev.Lett*

134) BRANCHING FRACTION AND CHARGE ASYMMETRY MEASUREMENTS IN $B \rightarrow J/\psi\pi\pi$ DECAYS

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12441, April 2007, Published in *PRD* **76**:031101 (2007)

135) SEARCH FOR $D^0 - \bar{D}^0$ MIXING USING DOUBLY FLAVOR TAGGED SEMILEPTONIC DECAY MODES

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12494, April 2007, Published in *PRD* **76**:014018 (2007)

136) MEASUREMENT OF THE HADRONIC FORM FACTOR IN $D^0 \rightarrow K^- e^+ \nu_e$ DECAYS

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12417, April 2007, Submitted to *PRD*

137) A STUDY OF $B^0 \rightarrow \rho^+ \rho^-$ DECAYS AND CONSTRAINTS ON THE CKM ANGLE α

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12498, March 2007, Submitted to *PRD*

138) SEARCH FOR NEUTRAL B -MESON DECAYS TO $a_0\pi$, a_0K , $\eta\rho^0$, AND ηf_0

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12413, March 2007, Published in *PRD* **75**:111102 (2007)

139) THE $e^+e^- \rightarrow K^+K^-\pi^+\pi^-$, $K^+K^-\pi^0\pi^0$ AND $K^+K^-K^+K^-$ CROSS SECTIONS MEASURED WITH INITIAL-STATE RADIATION

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12435, April 2007, Published in *PRD* **76**:012008 (2007)

140) AMPLITUDE ANALYSIS OF THE DECAY $D^0 \rightarrow K^-K^+\pi^0$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12416, April 2007, Published in *PRD* **76**:011102 (2007)

141) SEARCH FOR $B^0 \rightarrow \phi(K^+\pi^-)$ DECAYS WITH LARGE $K^+\pi^-$ INVARIANT MASS

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12461, May 2007, Submitted to *PRD*

142) MEASUREMENT OF CP -VIOLATING ASYMMETRIES IN $B^0 \rightarrow D^{(*)\pm}D^\mp$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12506, May 2007, Submitted to *PRD*

143) OBSERVATION OF $B^- \rightarrow D_s^{(*)+}K^-\pi^-$ AND $\bar{B}^0 \rightarrow D_s^+K_s^0\pi^-$ AND SEARCH FOR $\bar{B}^0 \rightarrow D_s^{*+}K_s^0\pi^-$ AND $\bar{B}^0 \rightarrow D_s^{(*)+}K^-K^-$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12690, July 2007, Submitted to *Phys.Rev.Lett*

144) AMPLITUDE ANALYSIS OF THE $B^\pm \rightarrow \phi K^*(892)^\pm$ DECAY

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-12462, May 2007, Submitted to *Phys.Rev.Lett*

145) SEARCH FOR PROMPT PRODUCTION OF χ_c AND $X(3872)$ IN e^+e^- ANNIHILATIONS

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12660, July 2007, Submitted to *PRD*

146) MEASUREMENTS OF CP -VIOLATING ASYMMETRIES IN THE DECAY

$$B^0 \rightarrow K^+ K^- K^0$$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12625, June 2007, Submitted to *Phys.Rev.Lett*

147) SEARCH FOR $b \rightarrow u$ TRANSITIONS IN $B^- \rightarrow [K^+\pi^-\pi^0] K^-$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12694, August 2007, Submitted to *Phys.Rev.Lett*

148) EVIDENCE FOR THE $B^0 \rightarrow p\bar{p}K^{*0}$ AND $B^+ \rightarrow \eta_c K^{*+}$ DECAYS AND STUDY OF THE DECAY DYNAMICS OF B MESON DECAYS INTO $p\bar{p}h$ FINAL STATES

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12661, July 2007, Submitted to *PRD*

149) BRANCHING FRACTION AND CP -VIOLATION CHARGE ASYMMETRY

MEASUREMENTS FOR B -MESON DECAYS TO $\eta K^\pm, \eta\pi^\pm, \eta'K, \eta'\pi^\pm, \omega K, \text{ AND } \omega\pi^\pm$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12630, June 2007, Published in *PRD* **76:031103 (2007)**

150) SEARCH FOR THE DECAYS $B^0 \rightarrow e^+e^-\gamma$ AND $B^0 \rightarrow \mu^+\mu^-\gamma$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12594, June 2007, Submitted to *Phys.Rev.Lett*

151) EVIDENCE FOR CHARGED B MESON DECAYS TO $a_1^\pm(1260)\pi^0$ AND $a_1^0(1260)\pi^\pm$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12699, August 2007, Submitted to *Phys.Rev.Lett*

152) SEARCH FOR THE RARE CHARMLESS HADRONIC DECAY $B^+ \rightarrow a_0^+\pi^0$

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12705, August 2007, Submitted to *PRD*

153) MEASUREMENT OF THE $\tau^- \rightarrow K^-\pi^0\nu_\tau$ BRANCHING FRACTION

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12681, July 2007, Submitted to *PRD*

154) OBSERVATION OF B -MESON DECAYS TO $b_1\pi$ AND b_1K

By BABAR Collaboration (B. Aubert et al.)
SLAC-PUB-12700, July 2007, Submitted to *Phys.Rev.Lett*

155) MEASUREMENT OF THE CP -VIOLATING ASYMMETRIES IN $B^0 \rightarrow K_s^0\pi^0$ AND OF THE BRANCHING FRACTION OF $B^0 \rightarrow K^0\pi^0$

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-12676, July 2007, Submitted to *PRD*

156) STUDY OF $B^0 \rightarrow \pi^0 \pi^0$, $B^\pm \rightarrow \pi^\pm \pi^0$, AND $B^\pm \rightarrow K^\pm \pi^0$ DECAYS, AND ISOSPIN

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SLAC-PUB-12682, July 2007, Submitted to *PRD*

157) SEARCH FOR THE DECAY $B^+ \rightarrow K^+ \tau^+ \mu^\pm$

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160) A SEARCH FOR $B^+ \rightarrow \tau^+ \nu$ DECAYS WITH HADRONIC B TAGS

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-12736, August 2007, Submitted to *PRD*

161) MEASUREMENT OF $\cos 2\beta$ IN $B^0 \rightarrow D^{(*)} h^0$ DECAYS WITH A TIME-DEPENDENT DALITZ PLOT ANALYSIS OF $D \rightarrow K_s^0 \pi^+ \pi^-$

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162) IMPROVED MEASUREMENT OF TIME-DEPENDENT CP ASYMMETRIES AND THE CP-ODD FRACTION IN THE DECAY $B^0 \rightarrow D^{*+} D^{*-}$

By BABAR Collaboration (B. Aubert et al.)

SLAC-PUB-12725, August 2007, Submitted to *PRD*

163) STUDY OF RESONANCES IN EXCLUSIVE B DECAYS TO $\overline{D}^{(*)} D^{(*)} K$

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164) OBSERVATION OF $B^0 \rightarrow K^{*0} \overline{K}^{*0}$ AND SEARCH FOR $B^0 \rightarrow K^{*0} K^{*0}$

By BABAR Collaboration (B. Aubert et al.)

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165) MEASUREMENTS OF PARTIAL BRANCHING FRACTIONS FOR $\overline{B} \rightarrow X_u \ell \bar{\nu}$ AND DETERMINATION OF $|V_{ub}|$

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**166) MEASUREMENTS OF THE BRANCHING FRACTIONS OF $B^0 \rightarrow K^{*0} K^+ K^-$,
 $B^0 \rightarrow K^{*0} \pi^+ K^-$, $B^0 \rightarrow K^{*0} K^+ \pi^-$, AND $B^0 \rightarrow K^{*0} \pi^+ \pi^-$**

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167) IMPROVED LIMITS ON THE LEPTON-FLAVOR VIOLATING DECAYS $\tau^- \rightarrow \ell^- \ell^+ \ell^-$

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169) MEASUREMENT OF DECAY AMPLITUDES OF $B \rightarrow (c\bar{c})K^*$ WITH AN ANGULAR ANALYSIS, FOR $(c\bar{c}) = J/\psi, \psi(2S)$ AND χ_{c1}

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