

CHEP

McGill Centre for High Energy Physics

Publications 2006

- Experimental High Energy Physics Groups:
 - [The BaBar Collaboration](#)
 - [The CDF Collaboration](#)
 - [The D0 Collaboration](#)
 - [The ZEUS Collaboration](#)
- [Theoretical High Energy Physics Group](#)
- [Nuclear Physics Group](#)
- [Astro-Particle Physics Group](#)

115 DOCUMENTS for the CHEP BaBar Group in 2006:

1) Measurements of CP-Violating Asymmetries in $B^0 \rightarrow a^{+-}(1) (1260) \pi^+$ decays.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12257, BABAR-PUB-06-071, Dec 2006.
7pp.
Published in **Phys.Rev.Lett.98:181803,2007.**
e-Print: [hep-ex/0612050](#)

2) 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, BABAR-PUB-06-072, Dec 2006.
7pp.
Published in **Phys.Rev.Lett.98:111801,2007.**
e-Print: [hep-ex/0612021](#)

3) Measurement of the $B^0 \rightarrow \pi^- l^+ \nu$ 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, BABAR-PUB-06-069, Dec 2006.
9pp.
Published in **Phys.Rev.Lett.98:091801,2007.**
e-Print: [hep-ex/0612020](#)

4) 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-12258, BABAR-PUB-06-070, Dec 2006.
7pp.
Published in **Phys.Rev.Lett.98:151802,2007.**
e-Print: [hep-ex/0612017](#)

5) Measurement of B Decays to ϕ K γ .

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12217, BABAR-PUB-06-062, Nov 2006.
8pp.
Published in **Phys.Rev.D75:051102,2007**.
e-Print: [hep-ex/0611037](#)

6) Evidence for the Rare Decay $B^+ \rightarrow D^+(s) \pi^0$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12197, BABAR-CONF-06-066, Nov 2006.
7pp.
Published in **Phys.Rev.Lett.98:171801,2007**.
e-Print: [hep-ex/0611030](#)

7) Observation of the Exclusive Reaction $e^+ e^- \rightarrow \phi \eta$ at $s^{1/2} = 10.58$ -GeV.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12200, BABAR-PUB-06-065, Nov 2006.
7pp.
Published in **Phys.Rev.D74:111103,2006**.
e-Print: [hep-ex/0611028](#)

8) 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, BABAR-PUB-06-064, Oct 2006.
7pp.
Published in **Phys.Rev.Lett.98:051801,2007**.
e-Print: [hep-ex/0610073](#)

9) Search for Lepton Flavor Violating Decays $\tau^+ \rightarrow l^+ \pi^0$, $l^+ \eta$, $l^+ \eta'$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12170, BABAR-PUB-06-061, Oct 2006.
7pp.
Published in **Phys.Rev.Lett.98:061803,2007**.
e-Print: [hep-ex/0610067](#)

10) Branching fraction measurement of $B^0 \rightarrow D^{(*)+} \pi^-$, $B^- \rightarrow D^{(*)0} \pi^-$ and isospin analysis of anti- $B \rightarrow D^{(*)} \pi$ decays.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-PUB-06-046, SLAC-PUB-12031, Oct 2006.
8pp.
Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.
Published in **Phys.Rev.D75:031101,2007**.
e-Print: [hep-ex/0610027](#)

11) 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, BABAR-PUB-06-1482, Oct 2006.
8pp.
Published in **Phys.Rev.D74:091103,2006**.
e-Print: [hep-ex/0610018](#)

12) Observation of CP violation in $B^0 \rightarrow \eta' K^0$ decays.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12127, BABAR-PUB-06-063, Sep 2006.
7pp.
[Press Release](#).
Published in **Phys.Rev.Lett.98:031801,2007**.
e-Print: [hep-ex/0609052](#)

13) Measurement of the absolute branching fractions B to $D\pi$, $D^*\pi$, $D^{}\pi$ with a missing mass method.**

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12107, BABAR-PUB-06-057,

PHYS.REV.D, Sep 2006. 8pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

Published in **Phys.Rev.D74:111102,2006**.

e-Print: **hep-ex/0609033**

14) Observation of $B^+ \rightarrow \phi \phi K^+$ and evidence for $B^0 \rightarrow \phi \phi K^0$ below $\eta(c)$ threshold.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12113, BABAR-PUB-06-042, Sep 2006. 7pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

Published in **Phys.Rev.Lett.97:261803,2006**.

e-Print: **hep-ex/0609027**

15) Inclusive $\Lambda(c)^+$ Production in $e^+ e^-$ Annihilations at $s^{1/2} = 10.54$ -GeV and in $\Upsilon(4S)$ Decays.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12074, BABAR-PUB-06-054, Sep 2006. 16pp.

Published in **Phys.Rev.D75:012003,2007**.

e-Print: **hep-ex/0609004**

16) Observation of an excited charm baryon $\Omega(c)^*$ decaying to $\Omega(c) \gamma$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12075, BABAR-PUB-06-055, Aug 2006. 7pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

Published in **Phys.Rev.Lett.97:232001,2006**.

e-Print: **hep-ex/0608055**

17) 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, Aug 2006. 7pp.

Published in **Phys.Rev.Lett.98:051803,2007**.

e-Print: **hep-ex/0608051**

18) 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, BABAR-PUB-06-058, Aug 2006. 7pp.

Prepared for 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

Published in **Phys.Rev.Lett.97:171805,2006**.

e-Print: **hep-ex/0608036**

19) A Search for $B^+ \rightarrow \tau^+ \nu$ Recoiling Against $B^- \rightarrow D^0 l^- \bar{\nu}(l) X$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12018, Aug 2006. 22pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: **hep-ex/0608019**

20) Measurement of the Branching Fraction and Time-Dependent CP Asymmetry in the Decay $B^0 \rightarrow D^{*+} D^{*-} K^0(s)$.

By BABAR Collaboration (B. Aubert *et al.*). BABAR-PUB-06-023, SLAC-PUB-12045, Aug 2006. 8pp.

Published in **Phys.Rev.D74:091101,2006**.

e-Print: **hep-ex/0608016**

21) Precise Branching Ratio Measurements of the Decays $D^0 \rightarrow \pi^- \pi^+ \pi^0$ and $D^0 \rightarrow K^- K^+ \pi^0$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11977, BABAR-PUB-06-048, Aug 2006. 7pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

Published in *Phys.Rev.D74:091102,2006*.

e-Print: [hep-ex/0608009](https://arxiv.org/abs/hep-ex/0608009)

22) Search for D^0 -anti- D^0 Mixing and Branching-Ratio Measurement in the Decay $D^0 \rightarrow K^+ \pi^- \pi^0$.

By BABAR Collaboration (B. Aubert *et al.*). BABAR-PUB-06-049, SLAC-PUB-12036, Aug 2006. 7pp.

Published in *Phys.Rev.Lett.97:221803,2006*.

e-Print: [hep-ex/0608006](https://arxiv.org/abs/hep-ex/0608006)

23) Measurement of branching fractions and charge asymmetries in B decays to an eta meson and a K^* meson.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12011, BABAR-PUB-06-053, Aug 2006. 7pp.

Published in *Phys.Rev.Lett.97:201802,2006*.

e-Print: [hep-ex/0608005](https://arxiv.org/abs/hep-ex/0608005)

24) Search for Charmonium States Decaying to J/ψ gamma gamma Using Initial-State Radiation Events.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11971, BABAR-CONF-06-003, Aug 2006. 16pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0608004](https://arxiv.org/abs/hep-ex/0608004)

25) Improved Measurements of the Branching Fractions for $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow K^+ \pi^-$, and a Search for $B^0 \rightarrow K^+ K^-$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12030, BABAR-PUB-06-047, Aug 2006. 9pp.

Published in *Phys.Rev.D75:012008,2007*.

e-Print: [hep-ex/0608003](https://arxiv.org/abs/hep-ex/0608003)

26) 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-12035, BABAR-CONF-2006-037, Jul 2006. 32pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0608002](https://arxiv.org/abs/hep-ex/0608002)

27) Branching fraction measurements of charged B decays to $K^{*+} K^+ K^-$, $K^{*+} \pi^+ K^-$, $K^{*+} K^+ \pi^-$ and $K^{*+} \pi^+ \pi^-$ final states.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11965, BABAR-PUB-06-043, Jul 2006. 8pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

Published in *Phys.Rev.D74:051104,2006*.

e-Print: [hep-ex/0607113](https://arxiv.org/abs/hep-ex/0607113)

28) Measurement of CP-violating asymmetries in the $B^0 \rightarrow K^+ K^- K^0$ Dalitz plot.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12015, BABAR-CONF-06-040, Jul 2006. 27pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607112](#)

29) Measurement of the ratio $B(B^+ \rightarrow X e \nu) / B(B^0 \rightarrow X e \nu)$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12027, BABAR-PUB-06-36, Jul 2006. 9pp. Published in *Phys.Rev.D74:091105,2006*.

e-Print: [hep-ex/0607111](#)

30) A Search for the decays $B^+ \rightarrow e^+ \nu(e)$ and $B^+ \rightarrow \mu^+ \nu(\mu)$ using hadronic-tag reconstruction.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12026, BABAR-CONF-06-001, Jul 2006. 19pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607110](#)

31) Observation of $B \rightarrow \eta' K^*$ and evidence for $B^+ \rightarrow \eta' \rho^+$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11999, BABAR-PUB-06-045, Jul 2006. 7pp.

Published in *Phys.Rev.Lett.98:051802,2007*.

e-Print: [hep-ex/0607109](#)

32) Measurement of time-dependent CP asymmetries in $B^0 \rightarrow K^0(S) K^0(S) K^0(S)$ decay.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11987, BABAR-CONF-06-18, Jul 2006. 17pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607108](#)

33) Improved measurement of CP asymmetries in $B^0 \rightarrow (c \text{ anti-}c) K^{*0} 0$ decays.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11986, BABAR-CONF-06-036, Jul 2006. 15pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607107](#)

34) Measurement of CP asymmetries and branching fractions in $B \rightarrow \pi^+ \pi^-$ and $B \rightarrow K \pi$ decays.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12032, BABAR-CONF-06-039, Jul 2006. 24pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607106](#)

35) Measurement of $\cos(2\beta)$ in $B^0 \rightarrow D^{*0} h^0$ decays with a time-dependent Dalitz plot analysis of $D^0 \rightarrow K^0(s) \pi^+ \pi^-$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11991, BABAR-CONF-06-017, Jul 2006. 20pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607105](#)

36) Measurement of the CKM angle γ in $B^+ \rightarrow D^{(*)} K^+ \pi^0$ decays with a Dalitz analysis of $D^0 \rightarrow K^0(S) \pi^+ \pi^-$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12028, BABAR-CONF-06-038, Jul 2006. 21pp.
 Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.
 e-Print: [hep-ex/0607104](#)

37) Search for CPT and Lorentz violation in B^0 - anti- B^0 oscillations with inclusive dilepton events.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12003, BABAR-CONF-06-020, Aug 2006. 19pp.
 Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.
 e-Print: [hep-ex/0607103](#)

38) Measurements of CP-violating asymmetries in B decays to omega $K^0(S)$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11975, BABAR-CONF-06-012, Jul 2006. 14pp.
 Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.
 e-Print: [hep-ex/0607101](#)

39) Time-dependent CP-violation parameters in $B^0 \rightarrow \eta'$ K^0 decay.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12009, BABAR-CONF-06-041, Jul 2006. 15pp.
 Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.
 e-Print: [hep-ex/0607100](#)

40) Measurement of the branching fractions for the decays $B^+ \rightarrow \rho^+ \gamma$, $B^0 \rightarrow \rho^0 \gamma$, and $B^0 \rightarrow \omega \gamma$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12025, BABAR-CONF-06-034, Jul 2006. 18pp.
 Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.
 e-Print: [hep-ex/0607099](#)

41) Updated measurement of the CKM angle α using $B^0 \rightarrow \rho^+ \rho^-$ decays.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12012, BABAR-CONF-06-16, Jul 2006. 21pp.
 Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.
 e-Print: [hep-ex/0607098](#)

42) Evidence for the $B^0 \rightarrow \rho^0 \rho^0$ decay and implications for the CKM angle α .

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11961, BABAR-CONF-06-027, Jul 2006. 15pp.
 Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.
 e-Print: [hep-ex/0607097](#)

43) Measurement of the CP-violating asymmetries in $B^0 \rightarrow K^0(S) \pi^0$ and of the branching fraction of $B^0 \rightarrow K^0 \pi^0$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11982, BABAR-CONF-06-030, Jul 2006.

14pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607096](#)

44) Measurement of the Pseudoscalar Decay Constant $f(D(s))$ Using Charm-Tagged Events in $e^+ e^-$ Collisions at $s^{1/2} = 10.58$ -GeV.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11968, BABAR-PUB-06-010, Jul 2006.

8pp.

Published in *Phys.Rev.Lett.***98:141801,2007.**

e-Print: [hep-ex/0607094](#)

45) Measurements of branching fraction, polarization, and charge asymmetry of $B^+ \rightarrow \rho^+ \rho^0$ and a search for $B^+ \rightarrow \rho^+ f_0(980)$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11981, BABAR-PUB-06-052, Jul 2006.

7pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

Published in *Phys.Rev.Lett.***97:261801,2006.**

e-Print: [hep-ex/0607092](#)

46) A Measurement of CP-violation parameters in B^0 anti- B^0 mixing using partially reconstructed $D^{*-} l^+ \nu(l)$ events at BaBar.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11978, BABAR-CONF-06-013, Jul 2006.

22pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607091](#)

47) Search for D^0 anti- D^0 mixing in the decays $D^0 \rightarrow K^+ \pi^- \pi^+ \pi^-$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12019, BABAR-CONF-06-031, Jul 2006.

15pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607090](#)

48) 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, BABAR-PUB-06-040, Jul 2006.

8pp.

Published in *Phys.Rev.Lett.***97:211801,2006.**

e-Print: [hep-ex/0607089](#)

49) $\Xi(c)$ -prime production at BABAR.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12024, BABAR-CONF-06-008, Jul 2006.

27pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607086](#)

50) Measurement of the hadronic form-factors in $D(s)^+ \rightarrow \phi e^+ \nu$ decays.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12017, BABAR-CONF-06-005, Jul 2006.

21pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607085](#)

51) A Precision measurement of the $D(s1)(2536)$ meson mass and decay width.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11998, BABAR-CONF-06-019, Jul 2006. 19pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607084](#)

52) Study of the Exclusive Initial-State Radiation Production of the D anti-D System.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11983, BABAR-CONF-06-33, Jul 2006. 15pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

Published in *Phys.Rev.D76:111105,2007*.

e-Print: [hep-ex/0607083](#)

53) Observation of a New D(s) Meson Decaying to DK at a Mass of $2.86\text{-GeV}/c^{2}$.**

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11993, BABAR-PUB-06-044, Jul 2006. 7pp.

Published in *Phys.Rev.Lett.97:222001,2006*.

e-Print: [hep-ex/0607082](#)

54) Measurement of Decay Amplitudes of $B \rightarrow (c \text{ anti-}c) K^*$ with an angular analysis, for $(c \text{ anti-}c) = j/\psi, \psi(2S)$ and $\chi(c1)$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11995, BABAR-CONF-06-043, Jul 2006. 19pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607081](#)

55) Measurement of the q^{2} dependence of the Hadronic Form Factor in $D0 \rightarrow K^- e^+ \nu(e)$ decays.**

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12016, BABAR-CONF-06-006, Jul 2006. 23pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

Published in *Phys.Rev.D76:052005,2007*.

e-Print: [hep-ex/0607077](#)

56) Determination of the Form Factors for the Decay $B0 \rightarrow D^{*-} l^+ \nu(l)$ and of the CKM Matrix Element $|V(cb)|$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12014, BABAR-CONF-06-022, Jul 2006. 27pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607076](#)

57) Measurement of the branching fraction and photon energy moments of $B \rightarrow X(s) \gamma$ and $A_{CP}(B \rightarrow X(s+d) \gamma)$.

By BaBar Collaboration ([B. Aubert et al.](#)). SLAC-PUB-12002, BABAR-PUB-06-037, Jul 2006. 8pp.

Published in *Phys.Rev.Lett.97:171803,2006*.

e-Print: [hep-ex/0607071](#)

58) Measurement of the relative branching fractions for $B^- \rightarrow D/D^*/D^{}(D^*)\pi^- l^- \text{ anti-}\nu(l)$**

with a large sample of tagged B mesons.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12004, BABAR-CONF-06-024, Jul 2006. 20pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607067](#)

59) Measurement of the $B^+ \rightarrow \eta l^+ \nu$ and $B^+ \rightarrow \eta' l^+ \nu$ branching fractions using Upsilon(4S) $\rightarrow B$ anti-B events tagged by a fully reconstructed B meson.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11996, BABAR-CONF-06-29, Jul 2006. 18pp.

Submitted 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607066](#)

60) Search for $b \rightarrow u$ transitions in $B^- \rightarrow [K^+ \pi^- \pi^0](D) K^-$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12010, BABAR-CONF-06-007, Jul 2006. 15pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607065](#)

61) Search for the rare decay $B^+ \rightarrow a(0)^+ \pi^0$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11979, BABAR-CONF-06-025, Jul 2006. 17pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607064](#)

62) Searches for B^0 decays to ηK^0 , $\eta \eta$, $\eta' \eta'$, $\eta \phi$, and $\eta' \phi$.

By BaBar Collaboration (B. Aubert *et al.*). SLAC-PUB-11992, BABAR-PUB-06-051, Jul 2006. 7pp. Published in *Phys.Rev.D74:051106,2006*.

e-Print: [hep-ex/0607063](#)

63) Observation of the decays $B^- \rightarrow D(s)^+ K^- \pi^-$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12013, BABAR-CONF-06-009, Jul 2006. 14pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607062](#)

64) Measurement of the $B^0 \rightarrow \pi^- l^+ \nu$ 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-12005, BABAR-CONF-06-015, Jul 2006. 25pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607060](#)

65) A Search for the $B^0 \rightarrow e^+ e^- \gamma$ and $B^0 \rightarrow \mu^+ \mu^- \gamma$ Decays.

By BaBar Collaboration (B. Aubert *et al.*). SLAC-PUB-12000, BABAR-CONF-06-026, Jul 2006. 14pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607058](#)

66) 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.*). BABAR-PUB-06-050, SLAC-PUB-11997, Jul 2006.
7pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

Published in *Phys.Rev.Lett.***97:201801,2006.**

e-Print: [hep-ex/0607057](#)

67) Measurement of the Branching Fractions of the Decays $\text{anti-}B_0 \rightarrow \Lambda^+(c) \text{ anti-}p$ and $B^- \rightarrow \Lambda^+(c) \text{ anti-}p \pi^-$.

By BABAR Collaboration (B. Aubert *et al.*). BABAR-CONF-06-010, SLAC-PUB-11984, Jul 2006.
18pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607055](#)

68) Search for inclusive charmless $B \rightarrow K^+ X$ and $B \rightarrow K^0 X$ decays.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-12008, BABAR-CONF-06-011, Jul 2006.
15pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607053](#)

69) Search for Flavor-Changing Neutral-Current Charm Decays.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11948, BABAR-CONF-06-04, Jul 2006.
25pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607051](#)

70) Search for $B^+ \rightarrow X(3872) K^+$, $X(3872) \rightarrow J/\psi \gamma$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11964, BABAR-PUB-06-041, Jul 2006.
7pp.

Published in *Phys.Rev.D***74:071101,2006.**

e-Print: [hep-ex/0607050](#)

71) Search for the rare decay $B \rightarrow \pi l^+ l^-$.

By BABAR Collaboration (B. Aubert *et al.*). BABAR-CONF-06-032, SLAC-PUB-11994, Jul 2006.
20pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607048](#)

72) Study of the Lepton Flavor Violating Decay $\tau \rightarrow \mu \eta$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11989, BABAR-CONF-06-023, Jul 2006.
16pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607045](#)

73) 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, BABAR-PUB-06-009, Jul 2006.
7pp.

Published in *Phys.Rev.D***75:031103,2007.**

e-Print: [hep-ex/0607044](#)

74) Measurement of the Mass and Width and Study of the Spin of the Xi(1690)0 Resonance from Lambda+(c) ---> Lambda anti-K0 K+ Decay at Babar.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11990, BABAR-CONF-06-021, Jul 2006. 21pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607043](#)

75) A Study of Xi(c)(2980)+ and Xi(c)(3077)+.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11980, BABAR-CONF-06-01, Jul 2006. 20pp.

Presented at 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607042](#)

76) Search for the Baryon and Lepton Number Violating Decays tau ---> Lambda h.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11974, BABAR-CONF-06-014, Jul 2006. 15pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607040](#)

77) Measurements of the Decays B0 ---> anti-D0 p anti-p, B0 ---> anti-D*0 p anti-p, B0 ---> D- p anti-p pi+, and B0 ---> D*- p anti-p pi+.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11933, BABAR-PUB-06-13, Jul 2006. 9pp. Submitted to European Particle Accelerator Conference (EPAC 06), Edinburgh, Scotland, 26-30 Jun 2006.

Published in *Phys.Rev.D74:051101,2006*.

e-Print: [hep-ex/0607039](#)

78) Measurement of B Decays to phi K gamma.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11967, BABAR-CONF-06-002, Jul 2006. 15pp.

Submitted to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

e-Print: [hep-ex/0607037](#)

80) Observation of e+e- Annihilations into the C = +1 Hadronic Final States rho0 rho0 and phi rho0.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11923, BABAR-PUB-06-035, Jun 2006. 7pp.

Published in *Phys.Rev.Lett.97:112002,2006*.

e-Print: [hep-ex/0606054](#)

81) Search for the decay of a B0 or anti-B0 meson to anti-K*0 K0 or K*0 anti-K0.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11915, BABAR-PUB-06-033, Jun 2006. 14pp.

Published in *Phys.Rev.D74:072008,2006*.

e-Print: [hep-ex/0606050](#)

82) Measurement of the spin of the Omega- hyperon at BABAR.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11896, BABAR-PUB-05-05, Jun 2006. 7pp.

Contributed to 33rd International Conference on High Energy Physics (ICHEP 06), Moscow, Russia, 26 Jul - 2 Aug 2006.

Published in **Phys.Rev.Lett.97:112001,2006.**

e-Print: **hep-ex/0606039**

83) Search for the decay $B^0 \rightarrow K^0(s) K^0(s) K^0(L)$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11902, BABAR-PUB-06-032, Jun 2006. 13pp.

Published in **Phys.Rev.D74:032005,2006.**

e-Print: **hep-ex/0606031**

84) Study of inclusive B- and anti-B0 decays to flavor-tagged D, D(s) and Lambda+(c).

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11898, BABAR-PUB-06-020, Jun 15, 2006. 16pp.

Published in **Phys.Rev.D75:072002,2007.**

e-Print: **hep-ex/0606026**

85) Search for doubly charmed baryons $\Xi(cc)^+$ and $\Xi(cc)^{++}$ in BABAR.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11866, BABAR-PUB-06-031, May 2006. 9pp.

Published in **Phys.Rev.D74:011103,2006.**

e-Print: **hep-ex/0605075**

86) Measurement of the $D^+ \rightarrow \pi^+ \pi^0$ and $D^+ \rightarrow K^+ \pi^0$ branching fractions.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11861, BABAR-PUB-06-30, May 2006. 8pp.

Published in **Phys.Rev.D74:011107,2006.**

e-Print: **hep-ex/0605044**

87) Search for $B^+ \rightarrow \phi \pi^+$ and $B^0 \rightarrow \phi \pi^0$ Decays.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11854, BABAR-PUB-05-022, May 2006. 8pp.

Published in **Phys.Rev.D74:011102,2006.**

e-Print: **hep-ex/0605037**

88) Study of $B \rightarrow D^*(s) D^*(s)(J)$ Decays and Measurement of $D^-(s)$ and $D(s)(2460)$ -Branching Fractions.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11855, BABAR-PUB-06-18, May 2006. 7pp.

Published in **Phys.Rev.D74:031103,2006.**

e-Print: **hep-ex/0605036**

89) Search for the decay $B^0 \rightarrow a(1)^+ \rho^-$.

By BaBar Collaboration (B. Aubert *et al.*). SLAC-PUB-11850, BABAR-PUB-06-017, May 2006. 8pp.

Published in **Phys.Rev.D74:031104,2006.**

e-Print: **hep-ex/0605024**

90) Measurement of the eta and eta-prime transition form-factors at $q^2 = 112\text{-GeV}^2$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11849, BABAR-PUB-06-024, May 2006. 15pp.

Published in **Phys.Rev.D74:012002,2006.**

e-Print: **hep-ex/0605018**

91) B meson decays to ωK^* , $\omega \rho$, $\omega \omega$, $\omega \phi$, and $\omega f(0)$.

By BABAR Collaboration (B. Aubert *et al.*). BABAR-PUB-06-029, SLAC-PUB-11848, May 2006.
8pp.
Published in **Phys.Rev.D74:051102,2006**.
e-Print: **hep-ex/0605017**

92) Search for B Meson Decays to η' η' K.

By BaBar Collaboration (B. Aubert *et al.*). SLAC-PUB-11834, BABAR-PUB-06-028, May 2006.
7pp.
Published in **Phys.Rev.D74:031105,2006**.
e-Print: **hep-ex/0605008**

93) Dalitz plot analysis of the decay $B^{+-} \rightarrow K^{+-} K^{+-} K^{+-}$.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11839, BABAR-PUB-06-006, May 2006.
11pp.
Published in **Phys.Rev.D74:032003,2006**.
e-Print: **hep-ex/0605003**

94) Measurement of branching fractions and CP-violating charge asymmetries for B meson decays to $D^{(*)}$ anti- $D^{(*)}$, and implications for the CKM angle γ .

By BABAR Collaboration (B. Aubert *et al.*). BABAR-PUB-06-014, SLAC-PUB-11821, Apr 2006.
23pp.
Published in **Phys.Rev.D73:112004,2006**.
e-Print: **hep-ex/0604037**

95) Observation of Upsilon(4S) decays to $\pi^+ \pi^-$ Upsilon(1S) and $\pi^+ \pi^-$ Upsilon(2S).

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11817, BABAR-PUB-06-027, Apr 2006.
7pp.
Published in **Phys.Rev.Lett.96:232001,2006**.
e-Print: **hep-ex/0604031**

96) A Study of the $D^{*}(sJ)(2317)$ and $D(sJ)(2460)$ Mesons in Inclusive c anti- c Production Near $\sqrt{s} = 10.6$ -GeV.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11816, BABAR-CONF-025-07, Apr 2006.
28pp.
Published in **Phys.Rev.D74:032007,2006**.
e-Print: **hep-ex/0604030**

97) Measurement of the $B^- \rightarrow D^0 K^{*-}$ branching fraction.

By BaBar Collaboration (B. Aubert *et al.*). SLAC-PUB-11807, BABAR-PUB-06-003, Apr 2006. 7pp.
Published in **Phys.Rev.D73:111104,2006**.
e-Print: **hep-ex/0604017**

98) Measurement of anti- $b^0 \rightarrow D^{(*)0}$ anti- $K^{(*)0}$ branching fractions.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11806, BABAR-PUB-02-006, Apr 2006.
8pp.
Published in **Phys.Rev.D74:031101,2006**.
e-Print: **hep-ex/0604016**

99) 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, BABAR-PUB-06-008, Apr 2006.
8pp.
Published in **Phys.Rev.D73:112003,2006**.
e-Print: **hep-ex/0604014**

100) 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, BABAR-PUB-06-026, Apr 2006.
7pp.
Published in **Phys.Rev.Lett.98:081801,2007**.
e-Print: **hep-ex/0604012**

101) Study of the decay anti-B0 ---> D*+ omega pi-

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11801, BABAR-PUB-06-021, Apr 2006.
12pp.
Published in **Phys.Rev.D74:012001,2006**.
e-Print: **hep-ex/0604009**

102) Measurements of branching fractions, rate asymmetries, and angular distributions in the rare decays B ---> K l+ l- and B ---> K* l+ l-

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11799, BABAR-PUB-06-015, Apr 2006.
19pp.
Published in **Phys.Rev.D73:092001,2006**.
e-Print: **hep-ex/0604007**

103) Search for the charmed pentaquark candidate Theta(c)(3100)0 in e+ e- annihilations at s(1/2) = 10.58-GeV.**

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11779, BABAR-PUB-06-007, Apr 2006.
8pp.
Published in **Phys.Rev.D73:091101,2006**.
e-Print: **hep-ex/0604006**

104) Measurement of branching fractions in radiative B decays to eta K gamma and search for B decays to eta-prime K gamma.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11780, BABAR-PUB-06-012, Mar 2006.
7pp.
Published in **Phys.Rev.D74:031102,2006**.
e-Print: **hep-ex/0603054**

105) Observation of a charmed baryon decaying to D0p at a mass near 2.94-GeV/c2.**

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11786, BABAR-PUB-06-019, Mar 2006.
7pp.
Published in **Phys.Rev.Lett.98:012001,2007**.
e-Print: **hep-ex/0603052**

106) Search for T, CP and CPT violation in B0 anti-B0 mMixing with inclusive dilepton events.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11787, BABAR-PUB-06-11, Mar 2006.
7pp.
Published in **Phys.Rev.Lett.96:251802,2006**.
e-Print: **hep-ex/0603053**

107) Observation of B0 Meson Decay to a+-(1260) pi-+.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11769, BABAR-PUB-06-005, Mar 2006.
7pp.
Published in **Phys.Rev.Lett.97:051802,2006**.
e-Print: **hep-ex/0603050**

108) Measurements of CP-violating asymmetries and branching fractions in B decays to omega K and omega pi.

By BABAR Collaboration (B. Aubert *et al.*). SLAC-PUB-11777, BABAR-PUB-06-016, Mar 2006.
7pp.
Published in **Phys.Rev.D74:011106,2006**.

e-Print: [hep-ex/0603040](#)

109) Branching fraction limits for B0 decays to eta-prime eta, eta- prime pi0 and eta pi0.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11735, BABAR-PUB-06-004, Mar 2006. 8pp.

Published in **Phys.Rev.D73:071102,2006.**

e-Print: [hep-ex/0603013](#)

110) Measurements of the branching fraction and time-dependent CP asymmetries of B0 ---> J/psi pi0 decays.

By BaBar Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11731, BABAR-PUB-05-54, Mar 2006. 8pp.

Published in **Phys.Rev.D74:011101,2006.**

e-Print: [hep-ex/0603012](#)

111) Measurement of time-dependent CP asymmetries in B0 ---> D(*)+- pi+- and B0 ---> D+- rho+- decays.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-06-01, SLAC-PUB-11719, Feb 2006. 8pp.

Published in **Phys.Rev.D73:111101,2006.**

e-Print: [hep-ex/0602049](#)

112) Measurements of the B ---> D* form-factors using the decay anti-B0 ---> D*+ e- electron-neutrino.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11672, BABAR-PUB-05-052, Feb 2006. 34pp.

Published in **Phys.Rev.D74:092004,2006.**

e-Print: [hep-ex/0602023](#)

113) The e+ e- ---> 3(pi+ pi-), 2(pi+ pi- pi0) 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, Feb 2006. 26pp.

Published in **Phys.Rev.D73:052003,2006.**

e-Print: [hep-ex/0602006](#)

114) Determinations of |V(ub)| from inclusive semileptonic B decays with reduced model dependence.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11582, BABAR-PUB-05-049, Jan 2006. 7pp.

Published in **Phys.Rev.Lett.96:221801,2006.**

e-Print: [hep-ex/0601046](#)

115) Measurements of Lambda(c)+ branching fractions of Cabibbo-suppressed decay modes involving Lambda and Sigma0.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-PUB-05-046, SLAC-PUB-11619, Jan 2006. 9pp.

Published in **Phys.Rev.D75:052002,2007.**

e-Print: [hep-ex/0601017](#)

33 DOCUMENTS for the CHEP CDF Group in 2006:

1) Search for Exotic S=-2 Baryons in proton-antiproton Collisions at sqrt(s) = 1.96 TeV.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-488-E, Dec 2006. 10pp.

Published in **Phys.Rev.D75:032003,2007.**

e-Print: [hep-ex/0612066](#)

2) Measurement of the Top Quark Mass in p anti-p Collisions at $s^{}(1/2) = 1.96$ -TeV using the Decay Length Technique.**

By CDF - Run II ([A. Abulencia et al.](#)). FERMILAB-PUB-06-487-E, Dec 2006. 23pp.
Published in **Phys.Rev.D75:071102,2007**.
e-Print: [hep-ex/0612061](#)

3) Precision measurement of the top quark mass from dilepton events at CDF II.

By CDF - Run II Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-490-E, Dec 2006. 7pp.
Published in **Phys.Rev.D75:031105,2007**.
e-Print: [hep-ex/0612060](#)

4) Cross Section Measurements of High-p(T) Dilepton Final-State Processes Using a Global Fitting Method.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-486-E, Dec 2006. 20pp.
Submitted to Phys.Rev.D
e-Print: [hep-ex/0612058](#)

5) Analysis of the quantum numbers $J^{}PC$ of the X(3872).**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-485-E, Dec 2006. 7pp.
Published in **Phys.Rev.Lett.98:132002,2007**.
e-Print: [hep-ex/0612053](#)

6) Measurement of the top-quark mass in all-hadronic decays in p anti-p collisions at CDF II.

By CDF Run II Collaboration ([T. Aaltonen et al.](#)). FERMILAB-PUB-06-468-E, Dec 2006. 7pp.
Published in **Phys.Rev.Lett.98:142001,2007**.
e-Print: [hep-ex/0612026](#)

7) Measurement of the B+ production cross-section in p anti-p collisions at $s^{}(1/2) = 1960$ -GeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-458-E, Dec 2006. 28pp.
Published in **Phys.Rev.D75:012010,2007**.
e-Print: [hep-ex/0612015](#)

8) Measurement of the helicity fractions of W bosons from top quark decays using fully reconstructed t anti-t events with CDF II.

By CDF II Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-461-E, Dec 2006. 11pp.
Published in **Phys.Rev.D75:052001,2007**.
e-Print: [hep-ex/0612011](#)

9) Observation of Exclusive Electron-Positron Production in Hadron-Hadron Collisions.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-436-E, Nov 2006. 7pp.
Published in **Phys.Rev.Lett.98:112001,2007**.
e-Print: [hep-ex/0611040](#)

10) Search for W-prime boson decaying to electron-neutrino pairs in p anti-p collisions at $s^{}(1/2) = 1.96$ -TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-419-E, Nov 2006. 7pp.
Published in **Phys.Rev.D75:091101,2007**.
e-Print: [hep-ex/0611022](#)

11) Measurement of the Ratios of Branching Fractions $B(B0(s) \rightarrow D-(s) \pi^+ \pi^+ \pi^-) / B(B0 \rightarrow D- \pi^+ \pi^+ \pi^-)$ and $B(B0(s) \rightarrow D-(s) \pi^+) / B(B0 \rightarrow D- \pi^+)$.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-380-E, Oct 2006. 7pp.
Published in **Phys.Rev.Lett.98:061802,2007**.
e-Print: [hep-ex/0610045](#)

12) Observation of B₀(s) - anti-B₀(s) Oscillations.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-344-E, Sep 2006. 9pp.
[Press Release](#).

Published in *Phys.Rev.Lett.***97:242003,2006**.

e-Print: [hep-ex/0609040](#)

13) Measurement of the Lambda₀(b) Lifetime in Lambda₀(b) ---> J/psi Lambda₀ in p anti-p Collisions at s^{}(1/2) = 1.96-TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-321-E, Sep 2006. 7pp.

Published in *Phys.Rev.Lett.***98:122001,2007**.

e-Print: [hep-ex/0609021](#)

14) Search for V+A current in top quark decay in p anti-p collisions at s^{}(1/2) = 1.96-TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-329-E, Aug 2006. 7pp.

Published in *Phys.Rev.Lett.***98:072001,2007**.

e-Print: [hep-ex/0608062](#)

15) Measurement of the t anti-t Production Cross Section in p anti-p collisions at s^{}(1/2) = 1.96-TeV in the All Hadronic Decay Mode.**

By CDF - Run II Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-255-E, Jul 2006. 10pp.

Published in *Phys.Rev.D***74:072005,2006**.

e-Print: [hep-ex/0607095](#)

16) Measurement of the t anti-t Production Cross Section in p anti-p collisions at s^{}(1/2) = 1.96-TeV using Lepton + Jets Events with Jet Probability b-tagging.**

By CDF Collaboration and CDF - Run II ([A. Abulencia et al.](#)). FERMILAB-PUB-06-247-E, Jul 2006. 45pp.

Published in *Phys.Rev.D***74:072006,2006**.

e-Print: [hep-ex/0607035](#)

17) Observation of B₀ (s) ---> K⁺ K⁻ and Measurements of Branching Fractions of Charmless Two-body Decays of B₀ and B₀(s) Mesons in anti-p p Collisions at s^{}(1/2) = 1.96-TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-240-E, Jul 2006. 7pp.

Published in *Phys.Rev.Lett.***97:211802,2006**.

e-Print: [hep-ex/0607021](#)

18) Search for excited and exotic muons in the mu gamma decay channel in p anti-p collisions at s^{}(1/2) = 1.96-TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-186-E, Jun 2006. 7pp.

Published in *Phys.Rev.Lett.***97:191802,2006**.

e-Print: [hep-ex/0606043](#)

19) Measurement of the B₀(s) - anti-B₀(s) Oscillation Frequency.

By CDF - Run II Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-175-E, Jun 2006. 7pp.

Published in *Phys.Rev.Lett.***97:062003,2006**.

e-Print: [hep-ex/0606027](#)

20) Measurement of the t anti-t Production Cross Section in p anti-p Collisions at s^{}(1/2) = 1.96-TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-164-E, Jun 2006. 7pp.

Published in *Phys.Rev.Lett.***97:082004,2006**.

e-Print: [hep-ex/0606017](#)

21) Search for a neutral Higgs boson decaying to a W boson pair in p anti-p collisions at s^{}(1/2) = 1.96-TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-154-E, May 2006. 7pp.
Published in **Phys.Rev.Lett.97:081802,2006**.
e-Print: [hep-ex/0605124](#)

22) Top quark mass measurement from dilepton events at CDF II with the matrix-element method.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-174-E, May 2006. 21pp.
Published in **Phys.Rev.D74:032009,2006**.
e-Print: [hep-ex/0605118](#)

23) Measurement of the b jet cross-section in events with a Z boson in p anti-p collisions at $s^{}(1/2) = 1.96$ -TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-128-E, May 2006. 28pp.
Published in **Phys.Rev.D74:032008,2006**.
e-Print: [hep-ex/0605099](#)

24) Search for new physics in lepton + photon + X events with 305 pb^{}-1 of p anti-p collisions at $s^{**}(1/2) = 1.96$ -TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-127-E, May 2006. 8pp.
Published in **Phys.Rev.Lett.97:031801,2006**.
e-Print: [hep-ex/0605097](#)

25) Measurement of the ratio of branching fractions $B(D0 \rightarrow K+ \pi-) / B(D0 \rightarrow K- \pi+)$ using the CDF II Detector.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-104-E, May 2006. 7pp.
Published in **Phys.Rev.D74:031109,2006**.
e-Print: [hep-ex/0605027](#)

26) Search for Large Extra Dimensions in the Production of Jets and Missing Transverse Energy in p anti-p Collisions at $s^{}(1/2) = 1.96$ TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-079-E, Apr 2006. 7pp.
Published in **Phys.Rev.Lett.97:171802,2006**.
e-Print: [hep-ex/0605101](#)

27) Measurement of the t anti-t production cross section in p anti-p collisions at $s^{}(1/2) = 1.96$ -TeV using missing E(T) + jets events with secondary vertex b-tagging.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-058-E, Mar 2006. 7pp.
Published in **Phys.Rev.Lett.96:202002,2006**.
e-Print: [hep-ex/0603043](#)

28) Measurement of the B(c)+ meson lifetime using $B(c)+ \rightarrow J/\psi e+ \nu(e)$.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-056-E, Mar 2006. 16pp.
Published in **Phys.Rev.Lett.97:012002,2006**.
e-Print: [hep-ex/0603027](#)

29) Search for high-mass resonances decaying to e mu in p anti-p collisions at $s^{}(1/2) = 1.96$ -TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-043-E, Mar 2006. 7pp.
Published in **Phys.Rev.Lett.96:211802,2006**.
e-Print: [hep-ex/0603006](#)

30) Search for Z' $\rightarrow e+ e-$ using dielectron mass and angular distribution.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-038-E, Feb 2006. 7pp.
Published in **Phys.Rev.Lett.96:211801,2006**.
e-Print: [hep-ex/0602045](#)

31) Measurement of the top quark mass using template methods on dilepton events in p anti-p collisions at $s^{}(1/2) = 1.96$ -TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-019-E, Feb 2006. 52pp.
Published in **Phys.Rev.D73:112006,2006**.
e-Print: [hep-ex/0602008](#)

32) Observation of $B^0(s) \rightarrow \psi(2S)\phi$ and measurement of ratio of branching fractions $B(B^0(s) \rightarrow \psi(2S)\phi) / B(B^0(s) \rightarrow J/\psi \phi)$.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-06-021-E, Feb 2006. 14pp.
Published in **Phys.Rev.Lett.96:231801,2006**.
e-Print: [hep-ex/0602005](#)

33) Measurement of $\sigma(\Lambda(b)0) / \sigma(\text{anti-}B^0 \times B(\Lambda^0(b) \rightarrow \Lambda^+(c)\pi^-)) / B(\text{anti-}B^0 \rightarrow D^+\pi^-)$ in p anti-p collisions at $S^{}(1/2) = 1.96$ -TeV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-574-E, Jan 2006. 7pp.
Published in **Phys.Rev.Lett.98:122002,2007**.
e-Print: [hep-ex/0601003](#)

33 DOCUMENTS for the CHEP D0 Group in 2006:**1) Evidence for production of single top quarks and first direct measurement of $|V_{tb}|$.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-475-E, Dec 2006. 8pp.
Published in **Phys.Rev.Lett.98:181802,2007**.
e-Print: [hep-ex/0612052](#)

2) Measurement of the p anti-p \rightarrow t anti-t production cross section at $s^{}(1/2) = 1.96$ -TeV in the fully hadronic decay channel.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-426-E, Dec 2006. 10pp.
Published in **Phys.Rev.D76:072007,2007**.
e-Print: [hep-ex/0612040](#)

3) Search for techniparticles in e+jets events at D0.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-450-E, Dec 2006. 8pp.
Published in **Phys.Rev.Lett.98:221801,2007**.
e-Print: [hep-ex/0612013](#)

4) Search for single production of scalar leptoquarks in p anti-p collisions decaying into muons and quarks with the D0 detector.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-455-E, Dec 2006. 8pp.
Published in **Phys.Lett.B647:74-81,2007**.
e-Print: [hep-ex/0612012](#)

5) Search for the pair production of scalar top quarks in the acoplanar charm jet final state in p anti-p collisions at $s^{}(1/2) = 1.96$ -TeV.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-396-E, Nov 2006. 9pp.
Published in **Phys.Lett.B645:119-127,2007**.
e-Print: [hep-ex/0611003](#)

6) Measurement of the t anti-t production cross section in p anti-p collisions at $s^{}(1/2) = 1.96$ -TeV using secondary vertex b tagging.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-386-E, Nov 2006. 25pp.
Published in **Phys.Rev.D74:112004,2006**.
e-Print: [hep-ex/0611002](#)

7) Measurement of the top quark mass in the dilepton channel.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-354-E, Sep 2006. 7pp.
Published in **Phys.Lett.B655:7,2007**.
e-Print: [hep-ex/0609056](#)

8) Measurement of the top quark mass in the lepton+jets final state with the matrix element method.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-353-E, Sep 2006. 26pp.
Published in **Phys.Rev.D74:092005,2006**.
e-Print: [hep-ex/0609053](#)

9) Measurement of the W boson helicity in top quark decay at D0.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-345-E, Sep 2006. 7pp.
Published in **Phys.Rev.D75:031102,2007**.
e-Print: [hep-ex/0609045](#)

10) Measurement of B(d) mixing using opposite-side flavor tagging.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-341-E, Sep 2006. 19pp.
Published in **Phys.Rev.D74:112002,2006**.
e-Print: [hep-ex/0609034](#)

11) Measurement of the CP-violation parameter of B0 mixing and decay with p anti-p ---> mu mu X data.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-327-E, Sep 2006. 12pp.
Published in **Phys.Rev.D74:092001,2006**.
e-Print: [hep-ex/0609014](#)

12) Measurement of the ratios of the Z/gamma* + >= n jet production cross sections to the total inclusive Z/gamma* cross section in p anti-p collisions at s(1/2) = 1.96-TeV.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-283-E, Aug 2006. 7pp.
Published in **Phys.Lett.B658:112-119,2008**.
e-Print: [hep-ex/0608052](#)

13) Experimental discrimination between charge 2e/3 top quark and charge 4e/3 exotic quark production scenarios.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-278-E, Aug 2006. 7pp.
Published in **Phys.Rev.Lett.98:041801,2007**.
e-Print: [hep-ex/0608044](#)

14) Search for pair production of scalar bottom quarks in p anti-p collisions at s(1/2) = 1.96-TeV.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-269-E, Aug 2006. 7pp.
Published in **Phys.Rev.Lett.97:171806,2006**.
e-Print: [hep-ex/0608013](#)

15) Limits on anomalous trilinear gauge couplings from WW --> e+ e-, WW ---> e+ mu+, and WW --> mu+ mu- events from p anti-p collisions at s(1/2) = 1.96-TeV.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-268-E, Aug 2006. 6pp.
Published in **Phys.Rev.D74:057101,2006, Erratum-ibid.D74:059904,2006**.
e-Print: [hep-ex/0608011](#)

16) Search for W-prime boson production in the top quark decay channel.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-257-E, HEPEX-0607102, Jul 2006. 9pp.
Published in **Phys.Lett.B641:423-431,2006**.

e-Print: [hep-ex/0607102](#)

17) Search for associated Higgs boson production $WH \rightarrow WWW^* \rightarrow l^+ \nu l\text{-prime} + \nu\text{-prime} + X$ in p anti- p collisions at $s^{}(1/2) = 1.96\text{-TeV}$.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-246-E, Jul 2006. 7pp.

Published in *Phys.Rev.Lett.***97:151804,2006**.

e-Print: [hep-ex/0607032](#)

18) Search for neutral, long-lived particles decaying into two muons in p anti- p collisions at $s^{}(1/2) = 1.96\text{-TeV}$.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-245-E, Jul 2006. 7pp.

Published in *Phys.Rev.Lett.***97:161802,2006**.

e-Print: [hep-ex/0607028](#)

19) Search for the Standard Model Higgs Boson in the p anti- $p \rightarrow ZH \rightarrow \nu$ anti- ν b anti- b channel.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-238-E, Jul 2006. 7pp.

Published in *Phys.Rev.Lett.***97:161803,2006**.

e-Print: [hep-ex/0607022](#)

20) Search for scalar leptoquarks in the acoplanar jet topology in p anti- p collisions at $s^{}(1/2) = 1.96\text{-TeV}$.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-233-E, Jul 2006. 8pp.

Published in *Phys.Lett.***B640:230-237,2006**.

e-Print: [hep-ex/0607009](#)

21) Search for a heavy resonance decaying into a Z +jet final state in p anti- p collisions at $s^{}(1/2) = 1.96\text{-TeV}$ using the D0 detector.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-167-E, Jun 2006. 8pp.

Published in *Phys.Rev.***D74:011104,2006**.

e-Print: [hep-ex/0606018](#)

22) Search for particles decaying into a Z boson and a photon in p anti- p collisions at $s^{}(1/2) = 1.96\text{-TeV}$.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-109-E, May 2006. 7pp.

Published in *Phys.Lett.***B641:415-422,2006**.

e-Print: [hep-ex/0605064](#)

23) Search for resonant second generation slepton production at the Tevatron.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-094-E, May 2006. 7pp.

Published in *Phys.Rev.Lett.***97:111801,2006**.

e-Print: [hep-ex/0605010](#)

24) Search for neutral Higgs bosons decaying to tau pairs in p anti- p collisions at $s^{}(1/2) = 1.96\text{-TeV}$.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-092-E, May 2006. 7pp.

Published in *Phys.Rev.Lett.***97:121802,2006**.

e-Print: [hep-ex/0605009](#)

25) Search for R-parity violating supersymmetry via the LL anti-E couplings $\lambda(121)$, $\lambda(122)$ or $\lambda(133)$ in p anti- p collisions at $s^{}(1/2) = 1.96\text{-TeV}$.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-089-E, May 2006. 9pp.

Published in *Phys.Lett.***B638:441-449,2006**.

e-Print: [hep-ex/0605005](#)

26) A Precise measurement of the B0(s) lifetime.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-085-E, Apr 2006. 7pp.
Published in **Phys.Rev.Lett.97:241801,2006.**
e-Print: [hep-ex/0604046](#)

27) Search for excited muons in p anti-p collisions at $s^{}(1/2) = 1.96$ - TeV.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-081-E, Apr 2006. 8pp.
Published in **Phys.Rev.D73:111102,2006.**
e-Print: [hep-ex/0604040](#)

28) Search for squarks and gluinos in events with jets and missing transverse energy in p anti-p collisions at $s^{}(1/2) = 1.96$ -TeV.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-077-E, Apr 2006. 8pp.
Published in **Phys.Lett.B638:119-127,2006.**
e-Print: [hep-ex/0604029](#)

29) Multivariate searches for single top quark production with the D0 detector.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-069-E, Apr 2006. 28pp.
Published in **Phys.Rev.D75:092007,2007.**
e-Print: [hep-ex/0604020](#)

30) Search for the rare decay B0(s)---> phi mu+ mu- with the D0 detector.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-073-E, Apr 2006. 7pp.
Published in **Phys.Rev.D74:031107,2006.**
e-Print: [hep-ex/0604015](#)

31) First direct two-sided bound on the B0(s) oscillation frequency.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-055-E, Mar 2006. 8pp.
[Press Release](#).
Published in **Phys.Rev.Lett.97:021802,2006.**
e-Print: [hep-ex/0603029](#)

32) Measurement of B(t ---> Wb)/B(t ---> Wq) at $s^{}(1/2) = 1.96$ -TeV.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-037-E, Mar 2006. 7pp.
Published in **Phys.Lett.B639:616-622,2006.**
e-Print: [hep-ex/0603002](#)

33) Search for pair production of second generation scalar leptoquarks in p anti-p collisions at $s^{}(1/2) = 1.96$ -TeV.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-06-017-E, Jan 2006. 8pp.
Published in **Phys.Lett.B636:183-190,2006.**
e-Print: [hep-ex/0601047](#)

10 DOCUMENTS for the CHEP ZEUS Group in 2006:**1) Measurement of charm fragmentation ratios and fractions in photoproduction at HERA.**

By ZEUS Collaboration ([S. Chekanov et al.](#)). DESY-05-147, Aug 2005. 29pp.
Published in **Eur.Phys.J.C44:351-366,2005.**
e-Print: [hep-ex/0508019](#)

2) Inclusive jet cross sections and dijet correlations in D*+- photoproduction at HERA.

By ZEUS Collaboration ([S. Chekanov et al.](#)). DESY-05-132, Jul 2005. 44pp.
Published in **Nucl.Phys.B729:492-525,2005.**
e-Print: [hep-ex/0507089](#)

3) Measurement of inelastic J/psi production in deep inelastic scattering at HERA.

By ZEUS Collaboration ([S. Chekanov et al.](#)). DESY-05-071, May 2005. 30pp.
Published in **Eur.Phys.J.C44:13-25,2005**.
e-Print: [hep-ex/0505008](#)

4) Exclusive electroproduction of phi mesons at HERA.

By ZEUS Collaboration ([S. Chekanov et al.](#)). DESY-05-038, Apr 2005. 37pp.
Published in **Nucl.Phys.B718:3-31,2005**.
e-Print: [hep-ex/0504010](#)

5) An NLO QCD analysis of inclusive cross-section and jet-production data from the zeus experiment.

By ZEUS Collaboration ([S. Chekanov et al.](#)). DESY-05-050, Mar 2005. 37pp.
Published in **Eur.Phys.J.C42:1-16,2005**.
e-Print: [hep-ph/0503274](#)

6) Forward jet production in deep inelastic ep scattering and low-x parton dynamics at HERA.

By ZEUS Collaboration ([S. Chekanov et al.](#)). DESY-05-017, Jan 2005. 25pp.
Published in **Phys.Lett.B632:13-26,2006**.
e-Print: [hep-ex/0502029](#)

7) Multijet production in neutral current deep inelastic scattering at HERA and determination of alpha(s).

By ZEUS Collaboration ([S. Chekanov et al.](#)). DESY-05-019, Feb 2005. 22pp.
Published in **Eur.Phys.J.C44:183-193,2005**.
e-Print: [hep-ex/0502007](#)

8) Search for lepton-flavor violation at HERA.

By ZEUS Collaboration ([S. Chekanov et al.](#)). DESY-05-016, Jan 2005. 36pp.
Published in **Eur.Phys.J.C44:463-479,2005**.
e-Print: [hep-ex/0501070](#)

9) Search for pentaquarks decaying to Xi-pi in deep inelastic scattering at HERA.

By ZEUS Collaboration ([S. Chekanov et al.](#)). DESY-05-018, Jan 2005. 12pp.
Published in **Phys.Lett.B610:212-224,2005**.
e-Print: [hep-ex/0501069](#)

10) Study of deep inelastic inclusive and diffractive scattering with the ZEUS forward plug calorimeter.

By ZEUS Collaboration ([S. Chekanov et al.](#)). DESY-05-011, Jan 2005. 87pp.
Published in **Nucl.Phys.B713:3-80,2005**.
e-Print: [hep-ex/0501060](#)

20 DOCUMENTS for the CHEP Theory Group in 2006:**1) Non-perturbative Gravity, Hagedorn Bounce & CMB.**

[Tirthabir Biswas](#), [Robert Brandenberger](#) (McGill U.) , [Anupam Mazumdar](#) (NORDITA) , [Warren Siegel](#) (YITP, Stony Brook) . YITP-SB-06-46, Oct 2006. 25pp.
Published in **JCAP 0712:011,2007**.
e-Print: [hep-th/0610274](#)

2) More on the spectrum of perturbations in string gas cosmology.

[Robert H. Brandenberger](#), [Sugumi Kanno](#) (McGill U.) , [Jiro Soda](#) (Kyoto U.) , [Damien A. Easson](#) (Durham U., Dept. of Math.) , [Justin Khoury](#) (Perimeter Inst. Theor. Phys.) , [Patrick Martineau](#)

(McGill U.) , Ali Nayeri (Harvard U., Phys. Dept.) , Subodh P. Patil (McGill U.) . Aug 2006. 11pp.
Published in **JCAP 0611:009,2006**.
e-Print: **hep-th/0608186**

3) String gas cosmology and structure formation.

Robert H. Brandenberger (McGill U.) , Ali Nayeri (Harvard U., Phys. Dept.) , Subodh P. Patil (McGill U.) , Cumrun Vafa (Harvard U., Phys. Dept.) . HUTP-06-A0032, Aug 2006. 12pp.
Published in **Int.J.Mod.Phys.A22:3621-3642,2007**.
e-Print: **hep-th/0608121**

4) Tensor Modes from a Primordial Hagedorn Phase of String Cosmology.

Robert H. Brandenberger (McGill U.) , Ali Nayeri (Harvard U., Phys. Dept.) , Subodh P. Patil (McGill U.) , Cumrun Vafa (Harvard U., Phys. Dept.) . HUTP-06-A0012, Apr 2006. 5pp.
Published in **Phys.Rev.Lett.98:231302,2007**.
e-Print: **hep-th/0604126**

5) p-adic Inflation.

Neil Barnaby, Tirthabir Biswas, James M. Cline (McGill U.) . Dec 2006. 32pp.
Published in **JHEP 0704:056,2007**.
e-Print: **hep-th/0612230**

6) String Cosmology.

James M. Cline (McGill U.) . MCGILL-02-06, Dec 2006. 47pp.
Lectures given at Advanced Summer Institute on New Trends in Particle Physics and Cosmology, Sheffield, England, 19-23 Jun 2006 and at Les Houches Summer School - Session 86: Particle Physics and Cosmology: The Fabric of Spacetime, Les Houches, France, 31 Jul - 25 Aug 2006.
e-Print: **hep-th/0612129**

7) Nongaussianity from Tachyonic Preheating in Hybrid Inflation.

Neil Barnaby, James M. Cline (McGill U.) . Nov 2006. 15pp.
Published in **Phys.Rev.D75:086004,2007**.
e-Print: **astro-ph/0611750**

8) Uplifting and Inflation with D3 Branes.

Cliff P. Burgess (McMaster U. & Perimeter Inst. Theor. Phys.) , James M. Cline, Keshav Dasgupta, Hassan Firouzjahi (McGill U.) . Oct 2006. 35pp.
Published in **JHEP 0703:027,2007**.
e-Print: **hep-th/0610320**

9) Baryogenesis.

James M. Cline (McGill U.) . Sep 2006. 63pp.
Lectures given at Les Houches Summer School - Session 86: Particle Physics and Cosmology: The Fabric of Spacetime, Les Houches, France, 31 Jul - 25 Aug 2006.
e-Print: **hep-ph/0609145**

10) Inflating in a better racetrack.

J.J. Blanco-Pillado (CCPP, New York) , C.P. Burgess (McMaster U. & Perimeter Inst. Theor. Phys.) , J.M. Cline (McGill U.) , C. Escoda (Cambridge U., DAMTP) , M. Gomez-Reino (Neuchatel U.) , R. Kallosh, A. Linde (Stanford U., Phys. Dept.) , F. Quevedo (Cambridge U., DAMTP) . DAMTP-2006-20, SU-ITP-06-07, Mar 2006. 21pp.
Published in **JHEP 0609:002,2006**.
e-Print: **hep-th/0603129**

11) Inflationary potential reconstruction for a wmap running power spectrum.

James M. Cline, Loison Hoi (McGill U.) . Mar 2006. 21pp.

Published in **JCAP 0606:007,2006**.

e-Print: [astro-ph/0603403](#)

12) Nongaussian and nonscale-invariant perturbations from tachyonic preheating in hybrid inflation.

[Neil Barnaby](#), [James M. Cline](#) (McGill U.) . Jan 2006. 27pp.

Published in **Phys.Rev.D73:106012,2006**.

e-Print: [astro-ph/0601481](#)

13) Gauge-Gravity Dualities, Dipoles and New Non-Kahler Manifolds.

[Keshav Dasgupta](#), [Marc Grisaru](#), [Rhiannon Gwyn](#) (McGill U.) , [Sheldon H. Katz](#) (Illinois U., Urbana, Math. Dept.) , [Anke Knauf](#) (Maryland U. & Hamburg U., Inst. Theor. Phys. II) , [Radu Tatar](#) (Liverpool U., Dept. Math.) . ILL-TH-06-5, LTH-704, May 2006. 80pp.

Published in **Nucl.Phys.B755:21-78,2006**.

e-Print: [hep-th/0605201](#)

14) Dipole-Deformed Bound States and Heterotic Kodaira Surfaces.

[Keshav Dasgupta](#) (McGill U.) , [Josh Guffin](#) (Illinois U., Urbana) , [Rhiannon Gwyn](#) (McGill U.) , [Sheldon H. Katz](#) (Illinois U., Urbana, Math. Dept.) . ILL-TH-06-6, Oct 2006. 40pp.

Published in **Nucl.Phys.B769:1-30,2007**.

e-Print: [hep-th/0610001](#)

15) Gauge-Gravity Dualities, Dipoles and New Non-Kahler Manifolds.

[Keshav Dasgupta](#), [Marc Grisaru](#), [Rhiannon Gwyn](#) (McGill U.) , [Sheldon H. Katz](#) (Illinois U., Urbana, Math. Dept.) , [Anke Knauf](#) (Maryland U. & Hamburg U., Inst. Theor. Phys. II) , [Radu Tatar](#) (Liverpool U., Dept. Math.) . ILL-TH-06-5, LTH-704, May 2006. 80pp.

Published in **Nucl.Phys.B755:21-78,2006**.

e-Print: [hep-th/0605201](#)

16) Shear viscosity in weakly coupled $N = 4$ super Yang-Mills theory compared to QCD.

[Simon C. Huot](#), [Sangyong Jeon](#), [Guy D. Moore](#) (McGill U.) . Aug 2006. 4pp.

Published in **Phys.Rev.Lett.98:172303,2007**.

e-Print: [hep-ph/0608062](#)

17) The Bulk Viscosity of High-Temperature QCD.

[Peter Arnold](#), [Caglar Dogan](#) (Virginia U.) , [Guy D. Moore](#) (McGill U.) . Aug 2006. 24pp.

Published in **Phys.Rev.D74:085021,2006**.

e-Print: [hep-ph/0608012](#)

18) Photon and dilepton production in supersymmetric Yang-Mills plasma.

[Simon Caron-Huot](#) (McGill U.) , [Pavel Kovtun](#) (Santa Barbara, KITP) , [Guy D. Moore](#) (McGill U.) , [Andrei Starinets](#) (Perimeter Inst. Theor. Phys.) , [Laurence G. Yaffe](#) (Washington U., Seattle) . Jul 2006. 31pp.

Published in **JHEP 0612:015,2006**.

e-Print: [hep-th/0607237](#)

19) Dileptons, spectral weights, and conductivity in the quark-gluon plasma.

[Guy D. Moore](#), [Jean-Marie Robert](#) (McGill U.) . Jul 2006. 21pp.

e-Print: [hep-ph/0607172](#)

20) Defect Formation with Bulk Fields.

[Guy D. Moore](#), [Horace Stoica](#) (McGill U.) . May 2006. 20pp.

Published in **Phys.Rev.D74:065003,2006**.

e-Print: [hep-th/0605070](#)

14 DOCUMENTS for the CHEP Nuclear Physics Group in 2006:**1) Finite-temperature field theory: Principles and applications.**

[J.I. Kapusta \(Minnesota U.\)](#) , [C. Gale \(McGill U.\)](#) . 2006. 428pp.
Cambridge, UK: Univ. Pr. (2006) 428 p.

2) Elliptic flow of thermal photons and dileptons.

[Ulrich W. Heinz \(Ohio State U.\)](#) , [Rupa Chatterjee \(Calcutta, VECC\)](#) , [Evan S. Frodermann \(Ohio State U.\)](#) , [Charles Gale \(McGill U.\)](#) , [Dinesh K. Srivastava \(Calcutta, VECC\)](#) . Oct 2006. 8pp.

To appear in the proceedings of 2nd International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions (Hard Probes 2006), Asilomar, Pacific Grove, California, 9-16 Jun 2006.

Published in **Nucl.Phys.A783:379-386,2007**.

e-Print: **nucl-th/0610014**

3) Intermediate mass dileptons in relativistic nuclear collisions.

[Charles Gale](#), [Simon Turbide \(McGill U.\)](#) . Oct 2006. 8pp.

Published in **Nucl.Phys.A783:351-358,2007**.

e-Print: **hep-ph/0610055**

4) The Thermal nature of high p(T) photons in high energy nuclear collisions.

[Charles Gale \(McGill U.\)](#) . Sep 2006. 9pp.

Published in **Nucl.Phys.A785:93-101,2007**.

e-Print: **hep-ph/0609301**

5) Transient field fluctuations effects in d+Au and Au+Au collisions at RHIC.

[V.Topor Pop \(McGill U.\)](#) , [M. Gyulassy \(Columbia U. & Frankfurt U., FIAS\)](#) , [J. Barrette](#), [C. Gale](#), [S. Jeon \(McGill U.\)](#) , [R. Bellwied \(Wayne State U.\)](#) . MG2006-PHY-21, Aug 2006. 12pp.

e-Print: **hep-ph/0608136**

6) Fluctuations in jet momentum as an energy loss probe.

[Giorgio Torrieri](#), [Charles Gale](#), [Sangyong Jeon](#), [Vasile Topor Pop \(McGill U.\)](#) . Feb 2006. 6pp.

e-Print: **hep-ph/0602118**

7) High momentum dilepton production from jets in a quark gluon plasma.

[Simon Turbide](#), [Charles Gale \(McGill U.\)](#) , [Dinesh K. Srivastava \(Calcutta, VECC\)](#) , [Rainer J. Fries \(Minnesota U.\)](#) . Jan 2006. 19pp.

Published in **Phys.Rev.C74:014903,2006**.

e-Print: **hep-ph/0601042**

8) Leading order calculation of electric conductivity in hot quantum electrodynamics from diagrammatic methods.

[Jean-Sebastien Gagnon](#), [Sangyong Jeon \(McGill U.\)](#) . Oct 2006. 43pp.

Published in **Phys.Rev.D75:025014,2007**, **Erratum-ibid.D76:089902,2007**.

e-Print: **hep-ph/0610235**

9) Shear viscosity in weakly coupled N = 4 super Yang-Mills theory compared to QCD.

[Simon C. Huot](#), [Sangyong Jeon](#), [Guy D. Moore \(McGill U.\)](#) . Aug 2006. 4pp.

Published in **Phys.Rev.Lett.98:172303,2007**.

e-Print: **hep-ph/0608062**

10) All orders Boltzmann collision term from the multiple scattering expansion of the self-energy.

[Francois Fillion-Gourdeau](#), [Jean-Sebastien Gagnon](#), [Sangyong Jeon \(McGill U.\)](#) . Mar 2006. 27pp.

Published in **Phys.Rev.D74:025010,2006**.

e-Print: [hep-ph/0603212](#)

11) SHAREv2: Fluctuations and a comprehensive treatment of decay feed-down.

[G. Torrieri \(McGill U.\)](#) , [S. Jeon \(McGill U. & RIKEN BNL\)](#) , [J. Letessier \(Paris, LPTHE & Arizona U.\)](#) , [Johann Rafelski \(Arizona U.\)](#) . Mar 2006. 19pp.

Published in **Comput.Phys.Commun.175:635-649,2006**.

e-Print: [nucl-th/0603026](#)

12) Fluctuations in jet momentum as an energy loss probe.

[Giorgio Torrieri](#), [Charles Gale](#), [Sangyong Jeon](#), [Vasile Topor Pop \(McGill U.\)](#) . Feb 2006. 6pp.

e-Print: [hep-ph/0602118](#)

13) Properties of the largest fragment in multifragmentation: A Canonical thermodynamic calculation.

[G. Chaudhuri](#), [S. Das Gupta \(McGill U.\)](#) . Dec 2006. 13pp.

Published in **Phys.Rev.C75:034603,2007**.

e-Print: [nucl-th/0612037](#)

14) A Model for Phase Transition based on Statistical Disassembly of Nuclei at Intermediate Energies.

[G. Chaudhuri](#), [S.Das Gupta](#), [M. Sutton \(McGill U.\)](#) . Jul 2006. 21pp.

e-Print: [cond-mat/0607142](#)

10 DOCUMENTS for the CHEP Astro-Particle Group in 2006:

1) Very high energy follow-up observations of gamma-ray bursts.

[D.A. Williams et al.](#) 2006. 3pp.

Published in **Nuovo Cim.121B:1619-1621,2006**.

2) VERITAS: Status c.2005.

By VERITAS Collaboration ([T.C. Weekes et al.](#)). 2006. 3pp.

Prepared for Particles and Nuclei International Conference (PANIC 05), Santa Fe, New Mexico, 24-28 Oct 2005.

Published in **AIP Conf.Proc.842:1001-1003,2006**. Also in

3) Deployment of the VERITAS observatory.

[S. LeBohec et al.](#) 2006. 6pp.

Prepared for Workshop on Physics at the End of the Galactic Cosmic Ray Spectrum, Aspen, Colorado, 26-30 Apr 2005.

Published in **J.Phys.Conf.Ser.47:232-237,2006**.

4) The Energy Spectrum of the Blazar Markarian 421 Above 130-GeV.

[J.E. Carson et al.](#) Dec 2006. 16pp.

Published in **Astrophys.J.662:199-204,2007**.

e-Print: [astro-ph/0612562](#)

5) Observations of the Unidentified TeV Gamma-Ray Source TeV J2032+4130 with the Whipple Observatory 10 m Telescope.

[A. Konopelko et al.](#) Nov 2006.

* Brief entry *

e-Print: [astro-ph/0611730](#)

6) The prospects for X-ray polarimetry and its potential use for understanding neutron stars.

[Martin C. Weisskopf](#), [R.F. Elsner \(NASA, Marshall\)](#) , [D. Hanna](#), [V.M. Kaspi \(McGill U.\)](#) , [S.L.](#)

[O'Dell \(NASA, Marshall\)](#) , [G.G. Pavlov \(Penn State U.\)](#) , [B.D. Ramsey \(NASA, Marshall\)](#) . Nov 2006. 17pp.

Presented at Neutron Stars and Pulsars: About 40 Years After the Discovery: 363rd Heraeus Seminar, Bad Honnef, Germany, 14-19 May 2006.

e-Print: [astro-ph/0611483](#)

[7\) Whipple Telescope Observations of LS I +61 303: 2004-2006.](#)

[A. Smith et al.](#) SI-102, Sep 2006. 4pp.

To appear in the proceedings of The Multi-Messenger Approach to Unidentified Gamma-Ray Sources: 3rd Workshop on the Nature of Unidentified High-Energy Sources, Barcelona, Spain, 4-7 Jul 2006.

Published in [Astrophys.Space Sci.309:299-303,2007](#).

e-Print: [astro-ph/0609697](#)

[8\) The first VERITAS telescope.](#)

By VERITAS Collaboration ([Jamie Holder et al.](#)). Apr 2006.

Published in [Astropart.Phys.25:391-401,2006](#).

e-Print: [astro-ph/0604119](#)

[9\) A new search for primordial black hole evaporations using the Whipple gamma-ray telescope.](#)

[E.T. Linton et al.](#) 2006. 11pp.

Published in [JCAP 0601:013,2006](#).

[10\) TeV gamma-ray observations of the perseus and abell 2029 galaxy clusters.](#)

By Veritas Collaboration ([Jeremey S. Perkins et al.](#)). Feb 2006.

Published in [Astrophys.J.644:148-154,2006](#).

e-Print: [astro-ph/0602258](#)