

CHEP

McGill Centre for High Energy Physics

Publications 2005

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

80 DOCUMENTS for the BaBar Collaboration in 2005:

1) MEASUREMENTS OF THE BRANCHING FRACTIONS AND CP-ASYMMETRIES OF $B \rightarrow D_0(\text{CP}) K$ DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11610, BABAR-PUB-05-051, Dec 2005. 8pp.

Published in **Phys.Rev.D73:051105,2006**

e-Print Archive: [hep-ex/0512067](#)

2) SEARCH FOR THE RARE DECAYS $B_0 \rightarrow D^{(*)} + (S) A - 0(2)$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11600, BABAR-PUB-05-048, Dec 2005. 8pp.

Published in **Phys.Rev.D73:071103,2006**

e-Print Archive: [hep-ex/0512031](#)

4) SEARCH FOR RARE QUARK-ANNIHILATION DECAYS, $B \rightarrow D(S)^{(*)} - \text{PHI}$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11520, BABAR-PUB-05-047, Dec 2005. 8pp.

Published in **Phys.Rev.D73:011103,2006**

e-Print Archive: [hep-ex/0512028](#)

5) **A STUDY OF $E^+ E^- \rightarrow P \text{ ANTI-P}$ USING INITIAL STATE RADIATION WITH BABAR.**
By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11587, BABAR-PUB-05-050, Dec 2005.
23pp.

Published in **Phys.Rev.D73:012005,2006**

e-Print Archive: [hep-ex/0512023](#)

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

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-36, SLAC-PUB-11558, Nov 9, 2005.
7pp.

Published in **Phys.Rev.Lett.96:241802,2006**

e-Print Archive: [hep-ex/0511015](#)

7) **MEASUREMENTS OF THE ABSOLUTE BRANCHING FRACTIONS OF $B^{++} \rightarrow K^{+-} X(C \text{ ANTI-C})$.**

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11545, BABAR-PUB-05-041, Oct 2005. 7pp.

Published in **Phys.Rev.Lett.96:052002,2006**

e-Print Archive: [hep-ex/0510070](#)

8) **SEARCH FOR THE W-EXCHANGE DECAYS $B^0 \rightarrow D(S)^*(*)- D(S)^*(*)+$.**

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-PUB-05-44, SLAC-PUB-11502, Oct 2005. 8pp.
Contributed to 11th International Conference on Hadron Spectroscopy (Hadron05), Rio de Janeiro, Brazil, 21-26 Aug 2005.

Published in **Phys.Rev.D72:111101,2005**

e-Print Archive: [hep-ex/0510051](#)

9) **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.](#)). BABAR-PUB-05-45, SLAC-PUB-11499, Sep 2005. 19pp.

Published in **Phys.Rev.D73:012006,2006**

e-Print Archive: [hep-ex/0509040](#)

10) **MEASUREMENT OF BRANCHING FRACTIONS AND RESONANCE CONTRIBUTIONS FOR $B^0 \rightarrow \text{ANTI-D}^0 K^+ \pi^-$ AND SEARCH FOR $B^0 \rightarrow D^0 K^+ \pi^-$ DECAYS.**

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-PUB-05-43, SLAC-PUB-11474, Sep 2005. 7pp.

Published in **Phys.Rev.Lett.96:011803,2006**

e-Print Archive: [hep-ex/0509036](#)

11) **IMPROVED MEASUREMENTS OF BRANCHING FRACTIONS FOR $B^0 \rightarrow \pi^+ \pi^-$, $K^+ \pi^-$, AND SEARCH FOR $K^+ K^-$ AT BABAR.**

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-13, SLAC-PUB-11433, Aug 2005.
15pp.

Presented at EPS International Europhysics Conference on High Energy Physics (HEP-EPS 2005), Lisbon, Portugal, 21-27 Jul 2005.

e-Print Archive: [hep-ex/0508046](#)

12) **MEASUREMENT OF THE BRANCHING RATIOS $\text{GAMMA}(D(S)^*+ \rightarrow D(S)^+ \pi^0)$ /**

GAMMA(D(S)*+ ---> D(S)+ GAMMA) AND GAMMA(D*0 ---> D0 PI0) / GAMMA(D*0 ---> D0 GAMMA).

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-42, SLAC-PUB-11431, Aug 2005. 7pp.

Published in **Phys.Rev.D72:091101,2005**

e-Print Archive: [hep-ex/0508039](#)

13) MEASUREMENT OF CP ASYMMETRIES IN B0 ---> K(S)0 PI0 PI0 DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-020, SLAC-PUB-11390, Aug 2005. 17pp.

Presented at EPS International Europhysics Conference on High Energy Physics (HEP-EPS 2005), Lisbon, Portugal, 21-27 Jul 2005.

e-Print Archive: [hep-ex/0508017](#)

14) MEASUREMENTS OF NEUTRAL B DECAY BRANCHING FRACTIONS TO K0(S) PI+ PI- FINAL STATES AND THE CHARGE ASYMMETRY OF B0 ---> K*+ PI-.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-PUB-05-033, SLAC-PUB-11325, Aug 2005. 9pp.

Contributed to 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.

Published in **Phys.Rev.D73:031101,2006**

e-Print Archive: [hep-ex/0508013](#)

15) SEARCH FOR LEPTON FLAVOR VIOLATION IN THE DECAY TAU +- ---> E+- GAMMA.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11385, BABAR-PUB-05-040, Aug 2005. 7pp.

Published in **Phys.Rev.Lett.96:041801,2006**

e-Print Archive: [hep-ex/0508012](#)

16) MEASUREMENTS OF THE B ---> X(S GAMMA) BRANCHING FRACTION AND PHOTON SPECTRUM FROM A SUM OF EXCLUSIVE FINAL STATES.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-PUB-05-37, SLAC-PUB-11365, Aug 2005. 16pp.

Presented at EPS International Europhysics Conference on High Energy Physics (HEP-EPS 2005), Lisbon, Portugal, 21-27 Jul 2005.

Published in **Phys.Rev.D72:052004,2005**

e-Print Archive: [hep-ex/0508004](#)

17) A STUDY OF B ---> C AND B ---> U INTERFERENCE IN THE DECAY B- ---> [K+ PI-](D) K*-.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11371, Aug 2005. 8pp.

Contributed to EPS International Europhysics Conference On High Energy Physics (HEP-EPS 2005), , 7/21/2005-7/27/2005.

Published in **Phys.Rev.D72:071104,2005**

e-Print Archive: [hep-ex/0508001](#)

18) MEASUREMENT OF GAMMA IN B-+ ---> D(*) K-+ AND B-+ ---> D K*-+ DECAYS WITH A DALITZ ANALYSIS OF D ---> K0(S) PI- PI+.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-018, SLAC-PUB-11377, Jul 2005. 22pp.

Contributed to International Europhysics Conference on High-Energy Physics (HEP 2005), , 7/21/2005-7/27/2005.

e-Print Archive: [hep-ex/0507101](#)

19) DALITZ PLOT STUDY OF $B^0 \rightarrow K^+ K^- K^0(S)$ DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-021, SLAC-PUB-11374, Jul 2005. 16pp.

Presented at EPS International Europhysics Conference on High Energy Physics (HEP-EPS 2005), Lisbon, Portugal, 21-27 Jul 2005.

e-Print Archive: [hep-ex/0507094](#)

20) 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.](#)). BABAR-PUB-05-038, SLAC-PUB-11370, Jul 2005. 7pp.

Published in **Phys.Rev.D73:011101,2006**

e-Print Archive: [hep-ex/0507090](#)

21) MEASUREMENT OF TIME-DEPENDENT CP-VIOLATING ASYMMETRIES IN B^0 MESON DECAYS TO η' -PRIME $K^0(L)$.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-14, SLAC-PUB-11368, Jul 2005. 15pp.

Contributed to EPS International Europhysics Conference on High Energy Physics (HEP-EPS 2005), Lisbon, Portugal, 21-27 Jul 2005.

e-Print Archive: [hep-ex/0507087](#)

22) MEASUREMENT OF THE $B^0 \rightarrow \pi^- L^+ \nu$ AND $B^+ \rightarrow \pi^0 L^+ \nu$ BRANCHING FRACTIONS AND DETERMINATION OF $|V(UB)|$ IN $\Upsilon(4S) \rightarrow B$ ANTI- B EVENTS TAGGED BY A FULLY RECONSTRUCTED B MESON.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-17, SLAC-PUB-11369, Jul 2005. 20pp.

Presented at EPS International Europhysics Conference on High Energy Physics (HEP-EPS 2005), Lisbon, Portugal, 21-27 Jul 2005.

e-Print Archive: [hep-ex/0507085](#)

23) MEASUREMENT OF CP-VIOLATING PARAMETERS IN FULLY RECONSTRUCTED $B \rightarrow D^{(*)\pm} \pi^\mp$ AND $B \rightarrow D^\pm \rho^\mp$ DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-15, SLAC-PUB-11364, Jul 2005. 17pp.

Contributed to EPS International Europhysics Conference on High Energy Physics (HEP-EPS 2005), Lisbon, Portugal, 21-27 Jul 2005.

e-Print Archive: [hep-ex/0507075](#)

24) A SEARCH FOR THE DECAY $B^+ \rightarrow \tau^+ \nu(\tau)$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11358, BABAR-PUB-05-034, Jul 2005. 7pp.

Published in **Phys.Rev.D73:057101,2006**

e-Print Archive: [hep-ex/0507069](#)

25) MEASUREMENT OF THE ANTI- B^0 LIFETIME AND THE B^0 ANTI- B^0 OSCILLATION FREQUENCY USING PARTIALLY RECONSTRUCTED ANTI- $B^0 \rightarrow D^{*+} L^-$ ANTI- $\nu(L)$ DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11343, BABAR-PUB-05-22, Jul 2005. 18pp.
Published in **Phys.Rev.D73:012004,2006**
e-Print Archive: **hep-ex/0507054**

26) MEASUREMENT OF TIME-DEPENDENT CP-VIOLATING ASYMMETRIES IN $B^0 \rightarrow K^0(S) K^0(S) K^0(S)$ DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-009, SLAC-PUB-11354, Jul 2005. 15pp.
Presented at EPS International Europhysics Conference on High Energy Physics (HEP-EPS 2005), Lisbon, Portugal, 21-27 Jul 2005.
e-Print Archive: **hep-ex/0507052**

27) MEASUREMENT OF THE TIME-DEPENDENT CP-VIOLATING ASYMMETRY IN $B^0 \rightarrow K^0(S) \pi^0 \gamma$ DECAYS.

By BaBar Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11345, BABAR-PUB-05-030, Jul 2005. 8pp.
Published in **Phys.Rev.D72:051103,2005**
e-Print Archive: **hep-ex/0507038**

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

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-19, SLAC-PUB-11288, Jul 2005. 15pp.
Prepared for 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.
e-Print Archive: **hep-ex/0507031**

29) MEASUREMENT OF THE BRANCHING FRACTION OF B^0 MESON DECAY TO $A(1^+) (1260) \pi^-$.

By BaBar Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-008, SLAC-PUB-11318, Jul 2005. 14pp.
Prepared for 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.
e-Print Archive: **hep-ex/0507029**

30) DALITZ PLOT ANALYSIS OF $D^0 \rightarrow \text{ANTI-}K^0 K^+ K^-$.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-PUB-05-023, SLAC-PUB-11333, Jul 2005. 16pp.
Published in **Phys.Rev.D72:052008,2005**
e-Print Archive: **hep-ex/0507026**

31) AN AMPLITUDE ANALYSIS OF THE DECAY $B^{+-} \rightarrow \pi^+ \pi^- \pi^+$.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-PUB-05-028, SLAC-PUB-11332, Jul 2005. 16pp.
Presented at 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.
Published in **Phys.Rev.D72:052002,2005**
e-Print Archive: **hep-ex/0507025**

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

K0 PI+.

By BaBar Collaboration ([B. Aubert et al.](#)). BABAR-PUB-05-035, SLAC-PUB-11334, Jul 2005. 8pp.
Published in **Phys.Rev.Lett.95:221801,2005**
e-Print Archive: [hep-ex/0507023](#)

33) MEASUREMENT OF THE PARTIAL BRANCHING FRACTION FOR INCLUSIVE CHARMLESS SEMILEPTONIC B DECAYS AND EXTRACTION OF $|V(UB)|$.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-11, SLAC-PUB-11310, Jul 2005. 19pp.
22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.
e-Print Archive: [hep-ex/0507017](#)

34) MEASUREMENT OF TIME-DEPENDENT CP-VIOLATING ASYMMETRIES IN $B^0 \rightarrow K^+ K^- K^0(L)$ DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-002, SLAC-PUB-11309, Jul 2005. 19pp.
Contributed to 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.
e-Print Archive: [hep-ex/0507016](#)

35) MEASUREMENT OF THE $B^+ \rightarrow P \text{ ANTI-P } K^+$ BRANCHING FRACTION AND STUDY OF THE DECAY DYNAMICS.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-PUB-05-20, SLAC-PUB-11296, Jul 2005. 8pp.
Published in **Phys.Rev.D72:051101,2005**
e-Print Archive: [hep-ex/0507012](#)

36) A STUDY OF PRODUCTION AND DECAYS OF $\Omega^0(C)$ BARYONS AT BABAR.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11323, BABAR-CONF-05-10, Jul 2005. 16pp.
Contributed to 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.
e-Print Archive: [hep-ex/0507011](#)

37) A PRECISION MEASUREMENT OF THE $\Lambda^+(C)$ BARYON MASS.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-PUB-05-032, SLAC-PUB-11331, Jul 2005. 14pp.
Prepared for 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.
Published in **Phys.Rev.D72:052006,2005**
e-Print Archive: [hep-ex/0507009](#)

38) MEASUREMENTS OF THE RARE DECAYS $B \rightarrow K L^+ L^-$ AND $B \rightarrow K^* L^+ L^-$.

By BaBar Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11330, BABAR-CONF-05-07, Jul 2005. 23pp.
Contributed to 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.
e-Print Archive: [hep-ex/0507005](#)

39) DALITZ-PLOT ANALYSIS OF THE DECAYS $B^{+-} \rightarrow K^{+-} \pi^+ \pi^-$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11327, BABAR-PUB-05-027, Jul 2005. 11pp.

Presented at 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.
Published in **Phys.Rev.D72:072003,2005**
e-Print Archive: **hep-ex/0507004**

40) 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, BABAR-PUB-05-025, Jul 2005. 8pp.
Published in **Phys.Rev.D72:051102,2005**
e-Print Archive: **hep-ex/0507003**

41) MEASUREMENT OF CP OBSERVABLES FOR THE DECAYS $B^+ \rightarrow D^0(CP) K^{*+}$.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-PUB-05-26, SLAC-PUB-11324, Jul 2005. 7pp.
Prepared for 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.
Published in **Phys.Rev.D72:071103,2005**
e-Print Archive: **hep-ex/0507002**

42) RESULTS FROM THE BABAR FULLY INCLUSIVE MEASUREMENT OF $B \rightarrow X(S) \text{ GAMMA}$.

By BaBar Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-006, SLAC-PUB-11329, Jul 2005. 23pp.

Presented at 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.
e-Print Archive: **hep-ex/0507001**

43) 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.](#)). BABAR-PUB-05-24, SLAC-PUB-11321, Jun 2005. 7pp.
Published in **Phys.Rev.Lett.95:151804,2005**
e-Print Archive: **hep-ex/0506082**

44) 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.](#)). BABAR-PUB-05-29, SLAC-PUB-11320, Jun 2005. 7pp.
[Press Release](#).
Published in **Phys.Rev.Lett.95:142001,2005**
e-Print Archive: **hep-ex/0506081**

45) SEARCH FOR $B^- \rightarrow D(S)^*(*) \text{ PHI}$.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-012, SLAC-PUB-11303, Jun 2005. 15pp.
Contributed to 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.
e-Print Archive: **hep-ex/0506073**

46) SEARCH FOR THE RARE DECAY $\text{ANTI-}B^0 \rightarrow D^{*0} \text{ GAMMA}$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11292, Jun 2005. 7pp.
Published in **Phys.Rev.D72:051106,2005**

e-Print Archive: [hep-ex/0506070](#)

47) MEASUREMENT OF THE $B^{+-} \rightarrow \rho^{+-} \pi^0$ BRANCHING FRACTION AND DIRECT CP ASYMMETRY.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-005, SLAC-PUB-11294, Jun 2005. 17pp.

Contributed.

e-Print Archive: [hep-ex/0506069](#)

48) SEARCH FOR LEPTON-FLAVOR AND LEPTON-NUMBER VIOLATION IN THE DECAY $\tau \rightarrow L^+ H^- H'^-$.

By BaBar Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11300, Jun 2005. 7pp.

Published in **Phys.Rev.Lett.95:191801,2005**

e-Print Archive: [hep-ex/0506066](#)

49) BRANCHING FRACTION FOR $B^+ \rightarrow \pi^0 L^+ \nu$, MEASURED IN UPSILON(4S) $\rightarrow B$ ANTI-B EVENTS TAGGED BY $B^- \rightarrow D^0 L^- \text{ANTI-}V(X)$ DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11313, BABAR-CONF-05-004, Jun 2005. 17pp.

Contributed to 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.

e-Print Archive: [hep-ex/0506065](#)

50) BRANCHING FRACTION FOR $B^0 \rightarrow \pi^- L^+ \nu$ AND DETERMINATION OF $|V(UB)|$ IN UPSILON(4S) $\rightarrow B^0$ ANTI- B^0 EVENTS TAGGED BY ANTI- $B^0 \rightarrow D^{(*)+} L^- \text{ANTI-}\nu$.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-CONF-05-003, SLAC-PUB-11314, Jun 2005. 20pp.

Contributed to 22nd International Symposium on Lepton-Photon Interactions at High Energy (LP 2005), Uppsala, Sweden, 30 Jun - 5 Jul 2005.

e-Print Archive: [hep-ex/0506064](#)

51) MEASUREMENT OF DOUBLE CHARMONIUM PRODUCTION IN $E^+ E^-$ ANNIHILATIONS AT $\sqrt{s} = 10.6$ -GEV.

By BABAR Collaboration ([B. Aubert et al.](#)). BABAR-PUB-05-21, SLAC-PUB-11287, Jun 2005. 7pp. Contributed.

Published in **Phys.Rev.D72:031101,2005**

e-Print Archive: [hep-ex/0506062](#)

52) GEANT4-BASED SIMULATION STUDY OF PEP-II BEAM BACKGROUNDS IN THE BABAR DETECTOR AT THE SLAC B-FACTORY.

[W.S. Lockman et al.](#). SLAC-PUB-11241, PAC-2005-WPAE056, May 2005. 3pp.

Contributed to Particle Accelerator Conference (PAC 05), Knoxville, Tennessee, 16-20 May 2005.

Published in *Knoxville 2005, Particle Accelerator Conference* 3351

53) 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, BABAR-PUB-05-18, Jun 2005. 7pp. Presented.

Published in **Phys.Rev.Lett.95:111801,2005**

e-Print Archive: [hep-ex/0506036](#)

54) **SEARCH FOR THE DECAY TAU- TO 4PI- 3PI+ (PI0) NU(TAU).**

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11229, BABAR-PUB-05-015, Jun 2005. 8pp.
Published in **Phys.Rev.D72:012003,2005**
e-Print Archive: [hep-ex/0506007](#)

55) **SEARCH FOR THE RARE DECAYS B+ ---> D(*)+ K0(S).**

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11255, BABAR-PUB-05-014, May 2005.
8pp.
Published in **Phys.Rev.D72:011102,2005**
e-Print Archive: [hep-ex/0505099](#)

56) **MEASUREMENT OF TIME-DEPENDENT CP ASYMMETRIES IN B0 ---> D(*)D DECAYS.**

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11247, BABAR-PUB-05-017, May 2005.
7pp.
Published in **Phys.Rev.Lett.95:131802,2005**
e-Print Archive: [hep-ex/0505092](#)

57) **MEASUREMENT OF THE BRANCHING FRACTION AND DECAY RATE ASYMMETRY OF B- ---> D(PI+ PI= PI) K-.**

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11245, BABAR-PUB-05-016, May 2005.
8pp.
Published in **Phys.Rev.D72:071102,2005**
e-Print Archive: [hep-ex/0505084](#)

58) **STUDY OF THE TAU- ---> 3H- 2H+ TAU-NEUTRINO DECAY.**

By the BABAR Collaborations ([B. Aubert et al.](#)). SLAC-PUB-11155, May 2005. 7pp.
Published in **Phys.Rev.D72:072001,2005**
e-Print Archive: [hep-ex/0505004](#)

59) **SEARCH FOR B ---> U TRANSITIONS IN B- AND D0 K- AND B- ---> D*0 K-.**

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11137, BABAR-PUB-05-12, Apr 2005. 14pp.
Published in **Phys.Rev.D72:032004,2005**
e-Print Archive: [hep-ex/0504047](#)

60) **MEASUREMENT OF GAMMA IN B-+ ---> D(*) K+ DECAYS WITH A DALITZ ANALYSIS OF D ---> K0(S) PI- PI+.**

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11127, Apr 2005. 7pp.
Published in **Phys.Rev.Lett.95:121802,2005**
e-Print Archive: [hep-ex/0504039](#)

61) **MEASUREMENT OF TIME-DEPENDENT CP-VIOLATING ASYMMETRIES AND CONSTRAINTS ON SIN(2BETA + GAMMA) WITH PARTIAL RECONSTRUCTION OF B ---> D*-+ PI+- DECAYS.**

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11136, Apr 2005. 17pp.
Published in **Phys.Rev.D71:112003,2005**
e-Print Archive: [hep-ex/0504035](#)

62) **PRODUCTION AND DECAY OF XI(C)0 AT BABAR.**

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11100, BABAR-PUB-05-008, Apr 2005. 7pp.

Published in **Phys.Rev.Lett.95:142003,2005**
e-Print Archive: **hep-ex/0504014**

63) EVIDENCE FOR THE DECAY $B_{+-} \rightarrow K^{*+} \pi^0$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11057, BABAR-PUB-05-006, Apr 2005. 7pp.

Published in **Phys.Rev.D71:111101,2005**
e-Print Archive: **hep-ex/0504009**

64) MEASUREMENT OF THE BRANCHING FRACTION OF UPSILON(4S) $\rightarrow B^0 \text{ ANTI-}B^0$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11085, BABAR-PUB-05-004, Apr 2005. 7pp.

Published in **Phys.Rev.Lett.95:042001,2005**
e-Print Archive: **hep-ex/0504001**

65) IMPROVED MEASUREMENT OF THE CKM ANGLE ALPHA USING $B^0(\text{ANTI-}B^0) \rightarrow \rho^+ \rho^-$ DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11081, BABAR-PUB-05-007, Mar 2005. 7pp.

Published in **Phys.Rev.Lett.95:041805,2005**
e-Print Archive: **hep-ex/0503049**

66) MEASUREMENT OF BRANCHING FRACTIONS AND CHARGE ASYMMETRIES IN B^+ DECAYS TO $\eta \pi^+$, ηK^+ , $\eta \rho^+$ AND η -PRIME π^+ , AND SEARCH FOR B^0 DECAYS TO ηK^0 AND $\eta \omega$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11079, BABAR-PUB-05-003, Mar 2005. 7pp.

Published in **Phys.Rev.Lett.95:131803,2005**
e-Print Archive: **hep-ex/0503035**

67) SEARCH FOR $B \rightarrow J/\psi D$ DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11054, BABAR-PUB-05-005, Mar 2005. 7pp.

Published in **Phys.Rev.D71:091103,2005**
e-Print Archive: **hep-ex/0503021**

68) MEASUREMENT OF BRANCHING FRACTION AND CP-VIOLATING ASYMMETRY FOR $B^0 \rightarrow \omega K^0(S)$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11039, BABAR-CONF-05-01, Mar 2005. 16pp.

Presented at 40th Rencontres de Moriond on Electroweak Interactions and Unified Theories, La Thuile, Aosta Valley, Italy, 5-12 Mar 2005.

e-Print Archive: **hep-ex/0503018**

69) MEASUREMENT OF THE BRANCHING FRACTION AND THE CP-VIOLATING ASYMMETRY FOR THE DECAY $B^0 \rightarrow K^0(S) \pi^0$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11048, BABAR-PUB-05-01, Mar 2005. 7pp.

Published in **Phys.Rev.D71:111102,2005**

e-Print Archive: [hep-ex/0503011](#)

70) 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, BABAR-PUB-05-02, Feb 2005. 7pp.

Published in **Phys.Rev.D71:091104,2005**

e-Print Archive: [hep-ex/0502041](#)

71) SEARCH FOR LEPTON FLAVOR VIOLATION IN THE DECAY $\tau^+ \rightarrow \mu^+ \gamma$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11028, BABAR-PUB-04-049, Feb 2005. 7pp.

Published in **Phys.Rev.Lett.95:041802,2005**

e-Print Archive: [hep-ex/0502032](#)

72) THE $E^+ E^- \rightarrow \pi^+ \pi^- \pi^+ \pi^-$, $K^+ K^- \pi^+ \pi^-$, AND $K^+ K^- K^+ K^-$ CROSS SECTIONS AT CENTER-OF-MASS ENERGIES 0.5-GEV TO 4.5-GEV MEASURED WITH INITIAL-STATE RADIATION.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11026, Feb 2005. 25pp.

Published in **Phys.Rev.D71:052001,2005**

e-Print Archive: [hep-ex/0502025](#)

73) MEASUREMENT OF CP ASYMMETRIES IN $B^0 \rightarrow \Phi K^0$ AND $B^0 \rightarrow K^+ K^- K^0(S)$ DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11022, BABAR-PUB-04-051, Feb 2005. 8pp.

Published in **Phys.Rev.D71:091102,2005**

e-Print Archive: [hep-ex/0502019](#)

74) MEASUREMENTS OF BRANCHING FRACTIONS AND TIME-DEPENDENT CP-VIOLATING ASYMMETRIES IN $B \rightarrow \eta' K$ DECAYS.

By BaBar Collaboration ([B. Aubert et al.](#)). SLAC-PUB-10906, BABAR-PUB-04-050, Feb 2005. 7pp.

Published in **Phys.Rev.Lett.94:191802,2005**

e-Print Archive: [hep-ex/0502017](#)

75) BRANCHING FRACTION AND CP ASYMMETRIES OF $B^0 \rightarrow K^0(S) K^0(S) K^0(S)$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11047, Feb 2005. 7pp.

Published in **Phys.Rev.Lett.95:011801,2005**

e-Print Archive: [hep-ex/0502013](#)

76) SEARCH FOR STRANGE-PENTAQUARK PRODUCTION IN $E^+ E^-$ ANNIHILATION AT $\sqrt{s} = 10.58$ -GEV AND IN UPSILON ($4S$) DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-10992, BABAR-PUB-04-047, Feb 2005. 7pp.

Published in **Phys.Rev.Lett.95:042002,2005**

e-Print Archive: [hep-ex/0502004](#)

77) A SEARCH FOR CP VIOLATION AND A MEASUREMENT OF THE RELATIVE BRANCHING FRACTION IN $D^+ \rightarrow K^- K^+ \pi^+$ DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11009, BABAR-PUB-04-041, Jan 2005. 8pp.

Published in **Phys.Rev.D71:091101,2005**
e-Print Archive: **hep-ex/0501075**

78) IMPROVED MEASUREMENTS OF CP-VIOLATING ASYMMETRY AMPLITUDES IN $B_0 \rightarrow \pi^+ \pi^-$ DECAYS.

By BaBar Collaboration ([B. Aubert et al.](#)). SLAC-PUB-11005, Jan 2005. 7pp.
Published in **Phys.Rev.Lett.95:151803,2005**
e-Print Archive: **hep-ex/0501071**

79) SEARCH FOR FACTORIZATION-SUPPRESSED $B \rightarrow \chi(C) K^*$ DECAYS.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-10989, BABAR-PUB-04-46, Jan 2005. 7pp.
Published in **Phys.Rev.Lett.94:171801,2005**
e-Print Archive: **hep-ex/0501061**

80) SEARCH FOR THE RADIATIVE DECAY $B_0 \rightarrow \pi^0 \gamma$.

By BABAR Collaboration ([B. Aubert et al.](#)). SLAC-PUB-10938, Jan 2005. 8pp.
Published in **Phys.Rev.D72:091103,2005**
e-Print Archive: **hep-ex/0501038**

34 DOCUMENTS for the CDF Collaboration in 2005:

1) MEASUREMENT OF THE DIPION MASS SPECTRUM IN $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ DECAYS.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-535-E, Dec 2005. 7pp.
Published in **Phys.Rev.Lett.96:102002,2006**
e-Print Archive: **hep-ex/0512074**

2) A SEARCH FOR SCALAR BOTTOM QUARKS FROM GLUINO DECAYS IN ANTI-P P COLLISIONS AT $\sqrt{s} = 1.96$ -TEV.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-553-E, Dec 2005. 7pp.
Published in **Phys.Rev.Lett.96:171802,2006**
e-Print Archive: **hep-ex/0512072**

3) TOP QUARK MASS MEASUREMENT FROM DILEPTON EVENTS AT CDF II.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-551-E, Dec 2005. 7pp.
Published in **Phys.Rev.Lett.96:152002,2006**
e-Print Archive: **hep-ex/0512070**

4) MEASUREMENT OF MASS AND WIDTH OF THE EXCITED CHARMED MESON STATES $D_0(1)$ AND $D_0^*(2)$ AT CDF.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-552-E, Dec 2005. 9pp.
Published in **Phys.Rev.D73:051104,2006**
e-Print Archive: **hep-ex/0512069**

5) SEARCH FOR ANOMALOUS SEMILEPTONIC DECAY OF HEAVY FLAVOR HADRONS PRODUCED IN ASSOCIATION WITH A W BOSON AT CDF II.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-560-E, Dec 2005. 8pp.
Published in **Phys.Rev.D73:051101,2006**

e-Print Archive: [hep-ex/0512065](#)

6) MEASUREMENT OF THE INCLUSIVE JET CROSS SECTION USING THE K(T) ALGORITHM IN P ANTI-P COLLISIONS AT $S^{}(1/2) = 1.96$ -TEV.**

By CDF II Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-555-E, Dec 2005. 13pp.

Published in **Phys.Rev.Lett.96:122001,2006**

e-Print Archive: [hep-ex/0512062](#)

7) SEARCH FOR SECOND-GENERATION SCALAR LEPTOQUARKS IN P ANTI-P COLLISIONS AT $S^{}(1/2) = 1.96$ -TEV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-546-E, Dec 2005. 9pp.

Published in **Phys.Rev.D73:051102,2006**

e-Print Archive: [hep-ex/0512055](#)

8) SEARCH FOR $H \rightarrow B$ ANTI- B PRODUCED IN ASSOCIATION WITH W BOSONS IN P ANTI-P COLLISIONS AT $S^{}(1/2) = 1.96$ -TEV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-549-E, Dec 2005. 7pp.

Published in **Phys.Rev.Lett.96:081803,2006**

e-Print Archive: [hep-ex/0512051](#)

9) MEASUREMENT OF THE INCLUSIVE JET CROSS SECTION IN P ANTI-P INTERACTIONS AT $S^{}(1/2) = 1.96$ -TEV USING A CONE-BASED JET ALGORITHM.**

By CDF Run II Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-559-E, Dec 2005. 19pp.

e-Print Archive: [hep-ex/0512020](#)

10) MEASUREMENT OF THE TOP QUARK MASS WITH THE DYNAMICAL LIKELIHOOD METHOD USING LEPTON PLUS JETS EVENTS WITH B-TAGS IN P ANTI-P COLLISIONS AT $S^{}(1/2) = 1.96$ -TEV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-533-E, Dec 2005. 66pp.

Submitted to Phys.Rev.D

e-Print Archive: [hep-ex/0512009](#)

11) MEASUREMENT OF THE HELICITY OF W BOSONS IN TOP-QUARK DECAYS.

By CDF-Run II ([A. Abulencia et al.](#)). FERMILAB-PUB-05-504-E, Nov 2005. 7pp.

Published in **Phys.Rev.D73:111103,2006**

e-Print Archive: [hep-ex/0511023](#)

12) SEARCH FOR CHARGED HIGGS BOSONS FROM TOP QUARK DECAYS IN P ANTI-P COLLISIONS AT $S^{}(1/2) = 1.96$ -TEV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-485-E, Oct 2005. 7pp.

Published in **Phys.Rev.Lett.96:042003,2006**

e-Print Archive: [hep-ex/0510065](#)

13) A SEARCH FOR $T \rightarrow \tau \nu Q$ IN T ANTI-T PRODUCTION.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-484-E, Oct 2005. 7pp.

Submitted to Phys.Rev.Lett.

e-Print Archive: [hep-ex/0510063](#)

14) PRECISION TOP QUARK MASS MEASUREMENT IN THE LEPTON + JETS TOPOLOGY IN P ANTI-P COLLISIONS AT $S^{}(1/2) = 1.96$ -TEV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-474-E, Oct 2005. 16pp.
Published in **Phys.Rev.Lett.96:022004,2006**
e-Print Archive: **hep-ex/0510049**

15) TOP QUARK MASS MEASUREMENT USING THE TEMPLATE METHOD IN THE LEPTON + JETS CHANNEL AT CDF II.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-472-E, Oct 2005. 77pp.
Published in **Phys.Rev.D73:032003,2006**
e-Print Archive: **hep-ex/0510048**

16) DIRECT SEARCH FOR DIRAC MAGNETIC MONOPOLES IN P ANTI-P COLLISIONS AT $S^{}(1/2) = 1.96$ -TEV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-444-E, Sep 2005. 7pp.
Published in **Phys.Rev.Lett.96:201801,2006**
e-Print Archive: **hep-ex/0509015**

17) SEARCH FOR NEUTRAL MSSM HIGGS BOSONS DECAYING TO TAU PAIRS IN P ANTI-P COLLISIONS AT $S^{}(1/2) = 1.96$ -TEV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-374-E, Aug 2005. 7pp.
Published in **Phys.Rev.Lett.96:011802,2006**
e-Print Archive: **hep-ex/0508051**

18) SEARCH FOR $B(S)0 \rightarrow \mu^+ \mu^-$ AND $B(D)0 \rightarrow \mu^+ \mu^-$ DECAYS IN P ANTI-P COLLISIONS WITH CDF. II.

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-367-E, Aug 2005. 7pp.
Published in **Phys.Rev.Lett.95:221805,2005, Erratum-ibid.95:249905,2005**
e-Print Archive: **hep-ex/0508036**

19) MEASUREMENTS OF INCLUSIVE W AND Z CROSS SECTIONS IN P ANTI-P COLLISIONS AT $S^{}(1/2) = 1.96$ -TEV.**

By CDF Collaboration ([A. Abulencia et al.](#)). FERMILAB-PUB-05-360-E, Aug 2005. 72pp.
Submitted to **Phys.Rev.D**
e-Print Archive: **hep-ex/0508029**

20) MEASUREMENT OF B HADRON MASSES IN EXCLUSIVE J/PSI DECAYS WITH THE CDF DETECTOR.

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-316-E, Aug 2005.
Published in **Phys.Rev.Lett.96:202001,2006**
e-Print Archive: **hep-ex/0508022**

21) SEARCH FOR $\Lambda^0(B) \rightarrow p \pi$ AND $\Lambda^0(B) \rightarrow p K$ DECAYS IN P ANTI-P COLLISIONS AT $S^{}1/2 = 1.96$ -TEV.**

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-322-E, Jul 2005. 7pp.
Published in **Phys.Rev.D72:051104,2005**
e-Print Archive: **hep-ex/0507067**

22) SEARCH FOR FIRST-GENERATION SCALAR LEPTOQUARKS IN P ANTI-P COLLISIONS AT $S^{}(1/2) = 1.96$ -TEV.**

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-254-E, Jun 2005. 8pp.
Published in **Phys.Rev.D72:051107,2005**

e-Print Archive: [hep-ex/0506074](https://arxiv.org/abs/hep-ex/0506074)

23) SEARCH FOR NEW PHYSICS USING HIGH MASS TAU PAIRS FROM 1.96-TEV P ANTI-P COLLISIONS.

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-251-E, Jun 2005. 7pp.

Published in **Phys.Rev.Lett.95:131801,2005**

e-Print Archive: [hep-ex/0506034](https://arxiv.org/abs/hep-ex/0506034)

24) MEASUREMENT OF THE T ANTI-T PRODUCTION CROSS-SECTION IN P ANTI-P COLLISIONS AT $S^{1/2} = 1.96$ -TEV USING LEPTON PLUS JETS EVENTS WITH SEMILEPTONIC B DECAYS TO MUONS.

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-220-E, Jun 2005. 25pp.

Published in **Phys.Rev.D72:032002,2005**

e-Print Archive: [hep-ex/0506001](https://arxiv.org/abs/hep-ex/0506001)

25) MEASUREMENT OF $B(T \rightarrow WB)/B(T \rightarrow WQ)$ AT THE COLLIDER DETECTOR AT FERMILAB.

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-219-E, May 2005. 7pp.

Published in **Phys.Rev.Lett.95:102002,2005**

e-Print Archive: [hep-ex/0505091](https://arxiv.org/abs/hep-ex/0505091)

26) EVIDENCE FOR THE EXCLUSIVE DECAY $B(C)^+ \rightarrow J / \Psi \pi^+$ AND MEASUREMENT OF THE MASS OF THE $B(C)$ MESON.

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-216-E, May 2005. 7pp.

Published in **Phys.Rev.Lett.96:082002,2006**

e-Print Archive: [hep-ex/0505076](https://arxiv.org/abs/hep-ex/0505076)

27) STUDY OF JET SHAPES IN INCLUSIVE JET PRODUCTION IN P ANTI-P COLLISIONS AT $S^{1/2} = 1.96$ -TEV.

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-156-E, May 2005. 31pp.

Submitted to Phys.Rev.D

e-Print Archive: [hep-ex/0505013](https://arxiv.org/abs/hep-ex/0505013)

28) MEASUREMENT OF THE CROSS SECTION FOR T ANTI-T PRODUCTION IN P ANTI-P COLLISIONS USING THE KINEMATICS OF LEPTON + JETS EVENTS.

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-161-E, Apr 2005. 45pp.

Published in **Phys.Rev.D72:052003,2005**

e-Print Archive: [hep-ex/0504053](https://arxiv.org/abs/hep-ex/0504053)

29) SEARCH FOR LONG-LIVED DOUBLY-CHARGED HIGGS BOSONS IN P ANTI-P COLLISIONS AT $S^{1/2} = 1.96$ -TEV.

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-031-E, Mar 2005. 14pp.

Published in **Phys.Rev.Lett.95:071801,2005**

e-Print Archive: [hep-ex/0503004](https://arxiv.org/abs/hep-ex/0503004)

30) FIRST EVIDENCE FOR $B_0(S) \rightarrow \Phi \Phi$ DECAY AND MEASUREMENTS OF BRANCHING RATIO AND $A(CP)$ FOR $B^+ \rightarrow \Phi K^+$.

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-027-E, Feb 2005. 7pp.

Published in **Phys.Rev.Lett.95:031801,2005**

e-Print Archive: [hep-ex/0502044](https://arxiv.org/abs/hep-ex/0502044)

31) MEASUREMENT OF THE MOMENTS OF THE HADRONIC INVARIANT MASS DISTRIBUTION IN SEMILEPTONIC B DECAYS.

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-017-E, Feb 2005. 9pp.
Published in **Phys.Rev.D71:051103,2005**
e-Print Archive: [hep-ex/0502003](#)

32) MEASUREMENT OF THE W+ W- PRODUCTION CROSS SECTION IN P ANTI-P COLLISIONS AT S(1/2) = 1.96-TEV USING DILEPTON EVENTS.**

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-009-E, Jan 2005. 8pp.
Published in **Phys.Rev.Lett.94:211801,2005**
e-Print Archive: [hep-ex/0501050](#)

33) MEASUREMENT OF THE FORWARD-BACKWARD CHARGE ASYMMETRY FROM W ---> E NU PRODUCTION IN P ANTI-P COLLISIONS AT S(1/2) = 1.96 TEV.**

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-005-E, Jan 2005. 18pp.
Published in **Phys.Rev.D71:051104,2005**
e-Print Archive: [hep-ex/0501023](#)

34) SEARCH FOR ZZ AND ZW PRODUCTION IN P ANTI-P COLLISIONS AT S(1/2) = 1.96-TEV.**

By CDF Collaboration ([D. Acosta et al.](#)). FERMILAB-PUB-05-002-E, Jan 2005. 7pp.
Published in **Phys.Rev.D71:091105,2005**
e-Print Archive: [hep-ex/0501021](#)

15 DOCUMENTS for the D0 Collaboration in 2005:

1) MEASUREMENT OF THE ISOLATED PHOTON CROSS SECTION IN P ANTI-P COLLISIONS AT S(1/2) = 1.96-TEV.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-05-523-E, Nov 2005. 7pp.
Submitted to Phys.Lett.B
e-Print Archive: [hep-ex/0511054](#)

2) SEARCH FOR THE HIGGS BOSON IN H ---> WW(*) DECAYS IN P ANTI-P COLLISIONS AT S(1/2) = 1.96-TEV.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-05-377-E, Aug 2005. 7pp.
Published in **Phys.Rev.Lett.96:011801,2006**
e-Print Archive: [hep-ex/0508054](#)

3) THE UPGRADED D0 DETECTOR.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-05-341-E, Jul 2005. 142pp.
e-Print Archive: [physics/0507191](#)

4) MEASUREMENT OF THE LIFETIME DIFFERENCE IN THE B0(S) SYSTEM.

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-05-324-E, Jul 2005. 7pp.
Published in **Phys.Rev.Lett.95:171801,2005**
e-Print Archive: [hep-ex/0507084](#)

5) MEASUREMENT OF SEMILEPTONIC BRANCHING FRACTIONS OF B MESONS TO

NARROW D STATES.**

By D0 Collaboration (V.M. Abazov *et al.*). FERMILAB-PUB-05-313-E, Jul 2005.

Published in **Phys.Rev.Lett.95:171803,2005**

e-Print Archive: **hep-ex/0507046**

6) SEARCH FOR LARGE EXTRA SPATIAL DIMENSIONS IN DIMUON PRODUCTION AT D0.

By D0 Collaboration (V.M. Abazov *et al.*). FERMILAB-PUB-05-250-E, Jun 2005. 7pp.

Published in **Phys.Rev.Lett.95:161602,2005**

e-Print Archive: **hep-ex/0506063**

7) MEASUREMENT OF THE T ANTI-T PRODUCTION CROSS SECTION IN P ANTI-P COLLISIONS AT S(1/2) = 1.96-TEV IN DILEPTON FINAL STATES.**

By D0 Collaboration (V.M. Abazov *et al.*). FERMILAB-PUB-05-217-E, May 2005. 7pp.

Published in **Phys.Lett.B626:55-64,2005**

e-Print Archive: **hep-ex/0505082**

8) SEARCH FOR SINGLE TOP QUARK PRODUCTION IN P ANTI-P COLLISIONS AT S(1/2) = 1.96-TEV.**

By D0 Collaboration (V.M. Abazov *et al.*). FERMILAB-PUB-05-207-E, May 2005. 9pp.

Published in **Phys.Lett.B622:265-276,2005**

e-Print Archive: **hep-ex/0505063**

9) SEARCH FOR RANDALL-SUNDRUM GRAVITONS IN DILEPTON AND DIPHOTON FINAL STATES.

By D0 Collaboration (V.M. Abazov *et al.*). FERMILAB-PUB-05-126-E-T, May 2005. 7pp.

Published in **Phys.Rev.Lett.95:091801,2005**

e-Print Archive: **hep-ex/0505018**

10) 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 LIFETIME B-TAGGING.**

By D0 Collaboration (V.M. Abazov *et al.*). FERMILAB-PUB-05-087-E, Apr 2005. 7pp.

Published in **Phys.Lett.B626:35-44,2005**

e-Print Archive: **hep-ex/0504058**

11) MEASUREMENT OF THE T ANTI-T PRODUCTION CROSS SECTION IN P ANTI-P COLLISIONS AT S(1/2) = 1.96 = TEV USING KINEMATIC CHARACTERISTICS OF LEPTON + JETS EVENTS.**

By D0 Collaboration (V.M. Abazov *et al.*). FERMILAB-PUB-05-079-E, Apr 2005. 7pp.

Published in **Phys.Lett.B626:45-54,2005**

e-Print Archive: **hep-ex/0504043**

12) SEARCH FOR SUPERSYMMETRY VIA ASSOCIATED PRODUCTION OF CHARGINOS AND NEUTRALINOS IN FINAL STATES WITH THREE LEPTONS.

By D0 Collaboration (V.M. Abazov *et al.*). FERMILAB-PUB-05-075-E, Apr 2005. 7pp.

Published in **Phys.Rev.Lett.95:151805,2005**

e-Print Archive: **hep-ex/0504032**

13) MEASUREMENT OF THE P - ANTI-P ---> W GAMMA + X CROSS SECTION AT S(1/2)**

= **1.96-TEV AND WW GAMMA ANOMALOUS COUPLING LIMITS.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-05-046-E, Mar 2005. 7pp.

Published in **Phys.Rev.D71:091108,2005**

e-Print Archive: [hep-ex/0503048](#)

14) **STUDY OF Z GAMMA EVENTS AND LIMITS ON ANOMALOUS Z Z GAMMA AND Z GAMMA GAMMA COUPLINGS IN P ANTI-P COLLISIONS AT $S^{**}(1/2) = 1.96$ -TEV.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-05-023-E, Feb 2005. 7pp.

Published in **Phys.Rev.Lett.95:051802,2005**

e-Print Archive: [hep-ex/0502036](#)

15) **MEASUREMENT OF INCLUSIVE DIFFERENTIAL CROSS SECTIONS FOR UPSILON (1S) PRODUCTION IN P ANTI-P COLLISIONS AT $S^{**}(1/2) = 1.96$ -TEV.**

By D0 Collaboration ([V.M. Abazov et al.](#)). FERMILAB-PUB-05-020-E, Feb 2005. 7pp.

Published in **Phys.Rev.Lett.94:232001,2005**

e-Print Archive: [hep-ex/0502030](#)

10 DOCUMENTS for the ZEUS Collaboration in 2005:

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 Archive: [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 Archive: [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 Archive: [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 Archive: [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 Archive: [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 Archive: [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 Archive: [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 Archive: [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 Archive: [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 Archive: [hep-ex/0501060](#)

35 DOCUMENTS for the HEP Theory Group Members in 2005:

1) BRANE GAS-DRIVEN BULK EXPANSION AS A PRECURSOR STAGE TO BRANE INFLATION.

By [Natalia Shuhmaher](#), [Robert Brandenberger](#) ([McGill U.](#)), Dec 2005. 5pp.
Published in **Phys.Rev.Lett.96:161301,2006**
e-Print Archive: [hep-th/0512056](#)

2) THE CONFINING HETEROTIC BRANE GAS: A NON-INFLATIONARY SOLUTION TO THE ENTROPY AND HORIZON PROBLEMS OF STANDARD COSMOLOGY.

By [Robert Brandenberger](#), [Natalia Shuhmaher](#) ([McGill U.](#)), Dec 2005. 7pp.
Published in **JHEP 0601:074,2006**
e-Print Archive: [hep-th/0511299](#)

3) PRODUCING A SCALE-INVARIANT SPECTRUM OF PERTURBATIONS IN A HAGEDORN PHASE OF STRING COSMOLOGY.

By [Ali Nayeri](#) ([Harvard U., Phys. Dept.](#)), [Robert H. Brandenberger](#) ([McGill U.](#)), [Cumrun Vafa](#) ([Harvard U., Phys. Dept.](#)), HUTP-05-A048, Nov 2005. 4pp.
e-Print Archive: [hep-th/0511140](#)

4) BACK-REACTION: A COSMOLOGICAL PANACEA.

By [Patrick Martineau](#), [R. Brandenberger \(McGill U.\)](#), Oct 2005. 6pp.

e-Print Archive: [astro-ph/0510523](#)

5) MODULI STABILIZATION IN STRING GAS COSMOLOGY.

By [Robert H. Brandenberger \(McGill U.\)](#), Oct 2005. 15pp.

To appear in the proceedings of YKIS 2005: Yukawa International Seminar 2005: The Next Chapter in Einstein's Legacy, Kyoto, Japan, 27 Jun - 1 Jul 2005.

Submitted to Prog.Theor.Phys.

e-Print Archive: [hep-th/0509159](#)

6) CHALLENGES FOR STRING GAS COSMOLOGY.

By [Robert H. Brandenberger \(McGill U.\)](#), Sep 2005. 10pp.

To appear in the proceedings of 59th Yamada Conference on Inflating Horizon of Particle Astrophysics and Cosmology, Tokyo, Japan, 20-24 Jun 2005.

e-Print Archive: [hep-th/0509099](#)

7) LOOKING BEYOND INFLATIONARY COSMOLOGY.

By [Robert H. Brandenberger \(McGill U.\)](#), Sep 2005. 10pp.

Invited talk at Theory Canada 1, Vancouver, British Columbia, Canada, 2-5 Jun 2005.

e-Print Archive: [hep-th/0509076](#)

8) ON THE TRANSFER OF METRIC FLUCTUATIONS WHEN EXTRA DIMENSIONS BOUNCE OR STABILIZE.

By [Thorsten J. Battefeld \(Brown U.\)](#), [Subodh P. Patil \(Brown U. & McGill U.\)](#), [Robert H. Brandenberger \(McGill U.\)](#), BROWN-HET-1456, Sep 2005. 12pp.

Published in [Phys.Rev.D73:086002,2006](#)

e-Print Archive: [hep-th/0509043](#)

9) T-DUALITY AND THE SPECTRUM OF GRAVITATIONAL WAVES.

By [Paul Robert Chouha \(McGill U.\)](#), [Robert H. Brandenberger \(McGill U. & Perimeter Inst. Theor. Phys.\)](#), Aug 2005. 11pp.

e-Print Archive: [hep-th/0508119](#)

10) CURRENT ACCELERATION FROM DILATON AND STRINGY COLD DARK MATTER.

By [Tirthabir Biswas](#), [Robert Brandenberger \(McGill U.\)](#), [Anupam Mazumdar](#), [Tuomas Multamaki \(Nordita\)](#), NORDITA-2005-42, Jul 2005. 16pp.

e-Print Archive: [hep-th/0507199](#)

11) NON-PERTURBATIVE INSTABILITIES AS A SOLUTION OF THE COSMOLOGICAL MODULI PROBLEM.

By [Natalia Shuhmaher](#), [Robert Brandenberger \(McGill U.\)](#), Jul 2005. 8pp.

Published in [Phys.Rev.D73:043519,2006](#)

e-Print Archive: [hep-th/0507103](#)

12) DYNAMICAL CP VIOLATION IN THE EARLY UNIVERSE AND LEPTOGENESIS.

By [K.R.S. Balaji](#), [Tirthabir Biswas \(McGill U.\)](#), [Robert H. Brandenberger \(McGill U. & Brown U.\)](#), [David London \(Montreal U.\)](#), MCGILL-04-05, UDEM-GPP-TH-05-134, Jun 2005. 9pp.

Published in [Phys.Rev.D72:056005,2005](#)

e-Print Archive: [hep-ph/0506013](#)

13) THE EFFECTS OF GRAVITATIONAL BACK-REACTION ON COSMOLOGICAL PERTURBATIONS.

By [Patrick Martineau \(McGill U.\)](#), [Robert H. Brandenberger \(McGill U. & Brown U.\)](#),. May 2005. 9pp.
Published in **Phys.Rev.D72:023507,2005**
e-Print Archive: **astro-ph/0505236**

14) ELECTROWEAK BARYOGENESIS WITH EMBEDDED DOMAIN WALLS.

By [Robert H. Brandenberger \(Brown U. & McGill U.\)](#), [Wessyl Kelly \(Brown U.\)](#), [Masahide Yamaguchi \(Aoyama Gakuin U.\)](#),. Mar 2005. 11pp.
e-Print Archive: **hep-ph/0503211**

15) THE COSMOLOGY OF MASSLESS STRING MODES.

By [Subodh P. Patil \(Brown U. & McGill U. & Queen Mary, U. of London & Cambridge U., DAMTP\)](#), [Robert H. Brandenberger \(McGill U. & Brown U.\)](#),. Feb 2005. 15pp.
Published in **JCAP 0601:005,2006**
e-Print Archive: **hep-th/0502069**

16) COUPLED INFLATION AND BRANE GASES.

By [Tirthabir Biswas \(McGill U.\)](#), [Robert Brandenberger \(McGill U. & Brown U.\)](#), [Damien A. Easson \(Syracuse U.\)](#), [Anupam Mazumdar \(Nordita & Bohr Inst.\)](#),. BROWN-HET-1436, MCGILL-01-05, NORDITA-07-05, Jan 2005. 11pp.
Published in **Phys.Rev.D71:083514,2005**
e-Print Archive: **hep-th/0501194**

17) THEORY OF COSMOLOGICAL PERTURBATIONS AND APPLICATIONS TO SUPERSTRING COSMOLOGY.

By [Robert H. Brandenberger \(McGill U. & Brown U.\)](#),. BROWN-HET-1437, Jan 2005. 49pp.
Lectures given at NATO Advanced Study Institute and EC Summer School on String Theory: From Gauge Interactions to Cosmology, Cargese, France, 7-19 Jun 2004.
Published in **Cargese 2004, String theory: From gauge interactions to cosmology** 79-116
e-Print Archive: **hep-th/0501033**

18) MODULI STABILIZATION WITH STRING GASES AND FLUXES.

By [Robert Brandenberger \(McGill U. & Brown U.\)](#), [Yeuk-Kwan E. Cheung \(Perimeter Inst. Theor. Phys.\)](#), [Scott Watson \(Brown U.\)](#),. BROWN-HET-1436, MCGILL-01-05, Jan 2005. 9pp.
Published in **JHEP 0605:025,2006**
e-Print Archive: **hep-th/0501032**

19) ASPECTS OF BRANE-ANTIBRANE INFLATION.

By [James M. Cline \(McGill U.\)](#),. Oct 2005. 6pp.
To appear in the proceedings of Theory Canada 1, Vancouver, British Columbia, Canada, 2-5 Jun 2005.
e-Print Archive: **hep-th/0510018**

20) MULTIBRANE INFLATION AND DYNAMICAL FLATTENING OF THE INFLATON POTENTIAL.

By [James M. Cline](#), [Horace Stoica \(McGill U.\)](#),. Aug 2005. 13pp.
Published in **Phys.Rev.D72:126004,2005**
e-Print Archive: **hep-th/0508029**

21) MODULI STABILIZATION IN BRANE GAS COSMOLOGY WITH SUPERPOTENTIALS.

By [Aaron Berndsen](#), [Tirthabir Biswas](#), [James M. Cline \(McGill U.\)](#),. May 2005. 25pp.
Published in **JCAP 0508:012,2005**
e-Print Archive: **hep-th/0505151**

22) INFLATION FROM STRING THEORY.

By [James M. Cline \(McGill U.\)](#),. Jan 2005. 13pp.
Invited talk at 14th Workshop on General Relativity and Gravitation (JGRG 14), Kyoto, Japan, 29 Nov - 3 Dec 2004.
e-Print Archive: **hep-th/0501179**

23) CODIMENSION-TWO BRANES IN SIX-DIMENSIONAL SUPERGRAVITY AND THE COSMOLOGICAL CONSTANT PROBLEM.

By [Jeremie Vinet](#), [James M. Cline \(McGill U.\)](#),. Jan 2005. 24pp.
Published in **Phys.Rev.D71:064011,2005**
e-Print Archive: **hep-th/0501098**

25) WHAT IF THETA(13) IS SMALL?

By [C.S. Lam \(McGill U. & British Columbia U.\)](#),. Aug 2005. 2pp.
e-Print Archive: **hep-ph/0508008**

26) NEUTRINO 2-3 SYMMETRY AND INVERTED HIERARCHY.

By [C.S. Lam \(British Columbia U. & TRIUMF\)](#),. Mar 2005. 8pp.
Published in **Phys.Rev.D71:093001,2005**
e-Print Archive: **hep-ph/0503159**

27) NUMERICAL STUDIES OF QGP INSTABILITIES AND IMPLICATIONS.

By [Guy D. Moore \(McGill U.\)](#),. Nov 2005. 8pp.
Talk given at Workshop on Quark-Gluon-Plasma Thermalization (QGPTH05), Vienna, Austria, 10-12 Aug 2005.
e-Print Archive: **hep-ph/0511203**

28) THE TURBULENT SPECTRUM CREATED BY NON-ABELIAN PLASMA INSTABILITIES.

By [Peter Arnold \(Virginia U.\)](#), [Guy D. Moore \(McGill U.\)](#),. Sep 2005. 17pp.
Published in **Phys.Rev.D73:025013,2006**
e-Print Archive: **hep-ph/0509226**

29) QCD PLASMA INSTABILITIES: THE NONABELIAN CASCADE.

By [Peter Arnold \(Virginia U.\)](#), [Guy D. Moore \(McGill U.\)](#),. Sep 2005. 20pp.
Published in **Phys.Rev.D73:025006,2006**
e-Print Archive: **hep-ph/0509206**

30) THREE DIMENSIONAL N=2 SUPERSYMMETRY ON THE LATTICE.

By [Joshua W. Elliott](#), [Guy D. Moore \(McGill U.\)](#),. Sep 2005. 21pp.
Published in **PoS LAT2005:245,2006, JHEP 0511:010,2005**
e-Print Archive: **hep-lat/0509032**

31) THE FATE OF NON-ABELIAN PLASMA INSTABILITIES IN 3+1 DIMENSIONS.

By [Peter Arnold \(Virginia U.\)](#), [Guy D. Moore \(McGill U.\)](#), [Laurence G. Yaffe \(Washington U., Seattle\)](#),. May 2005. 28pp.

Published in **Phys.Rev.D72:054003,2005**
e-Print Archive: **hep-ph/0505212**

32) **CONSTRAINING THE NEW AETHER: GRAVITATIONAL CERENKOV RADIATION.**
By [Joshua W. Elliott](#), [Guy D. Moore](#), [Horace Stoica](#). May 2005. 19pp.
Published in **JHEP 0508:066,2005**
e-Print Archive: **hep-ph/0505211**

33) **ENERGY LOSS OF LEADING HADRONS AND DIRECT PHOTON PRODUCTION IN EVOLVING QUARK-GLUON PLASMA.**
By [Simon Turbide](#), [Charles Gale \(McGill U.\)](#), [Sangyong Jeon \(McGill U. & RIKEN BNL\)](#), [Guy D. Moore \(McGill U.\)](#),. Mar 2005. 20pp.
Published in **Phys.Rev.C72:014906,2005**
e-Print Archive: **hep-ph/0502248**

34) **GEOMETRIC TRANSITIONS, FLOPS AND NON-KAHLER MANIFOLDS. II.**
By [Melanie Becker \(Harvard U., Phys. Dept. & Texas A-M\)](#), [Keshav Dasgupta \(McGill U.\)](#), [Sheldon Katz \(Illinois U., Urbana, Math. Dept.\)](#), [Anke Knauf \(Maryland U. & Hamburg U., Inst. Theor. Phys. II\)](#), [Radu Tatar \(Liverpool U., Dept. Math.\)](#),. ILL-TH-05-5, MIFP-05-29, Nov 2005. 80pp.
Published in **Nucl.Phys.B738:124-183,2006**
e-Print Archive: **hep-th/0511099**

35) **BRANE INFLATION, SOLITONS AND COSMOLOGICAL SOLUTIONS: 1.**
By [Pisin Chen \(SLAC\)](#), [Keshav Dasgupta \(Illinois U., Urbana\)](#), [K. Narayan \(Tata Inst.\)](#), [Marina Shmakova \(SLAC\)](#), [Marco Zagermann \(Stanford U., Phys. Dept.\)](#),. SLAC-PUB-10982, SU-ITP-05-04, TIFR-TH-05-02, ILL-TH-05-02, Jan 2005. 114pp.
Published in **JHEP 0509:009,2005**
e-Print Archive: **hep-th/0501185**

21 DOCUMENTS for the Nuclear Physics Theory Group Members in 2005:

1) **ELECTROMAGNETIC SIGNALS AT RHIC.**
By [Simon Turbide](#), [Charles Gale \(McGill U.\)](#),. Dec 2005. 3pp.
Talk given at Particles and Nuclei International Conference (PANIC 05), Santa Fe, New Mexico, 24-28 Oct 2005.
e-Print Archive: **hep-ph/0512200**

2) **THERMAL PHOTONS AND DILEPTONS.**
By [Charles Gale \(McGill U.\)](#),. Dec 2005. 8pp.
Talk given at 18th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions: Quark Matter 2005 (QM 2005), Budapest, Hungary, 4-9 Aug 2005.
e-Print Archive: **hep-ph/0512109**

3) **J/PSI DISSOCIATION AND ADLER'S THEOREM.**
By [Alex Bourque](#), [Charles Gale \(McGill U.\)](#), [Kevin L. Haglin \(St. Cloud State U.\)](#),. Sep 2005. 9pp.
To appear in the proceedings of 27th Annual Montreal-Rochester-Syracuse-Toronto Conference on High Energy Physics (MRST 2005), Utica, New York, 16-18 May 2005.
Published in **Int.J.Mod.Phys.A20:6169-6177,2005**

e-Print Archive: [hep-ph/0509038](#)

4) **BREMSSTRAHLUNG NEUTRINOS FROM ELECTRON-ELECTRON SCATTERING IN A RELATIVISTIC DEGENERATE ELECTRON PLASMA.**

By [Prashanth Jaikumar](#) (Argonne, PHY), [Charles Gale](#) (McGill U.), [Dany Page](#) (UNAM, Inst. Astron.), Aug 2005. 15pp.

Published in **Phys.Rev.D72:123004,2005**

e-Print Archive: [hep-ph/0508245](#)

5) **AZIMUTHAL ASYMMETRY OF DIRECT PHOTONS IN HIGH ENERGY NUCLEAR COLLISIONS.**

By [Simon Turbide](#), [Charles Gale](#) (McGill U.), [Rainer J. Fries](#) (Minnesota U.), Aug 2005. 4pp.

Published in **Phys.Rev.Lett.96:032303,2006**

e-Print Archive: [hep-ph/0508201](#)

6) **REPLY TO 'COMMENT ON 'HADRONIC PRODUCTION OF THERMAL PHOTONS'.**

By [Simon Turbide](#) (McGill U.), [Ralf Rapp](#) (Texas A-M), [Charles Gale](#) (McGill U.), May 2005.

Published in **Phys.Rev.C71:059803,2005**

7) **STRONG COLOR FIELD BARYONIC REMNANTS IN NUCLEUS-NUCLEUS COLLISIONS AT 200-A GEV.**

By [V.Topor Pop](#) (McGill U.), [M. Gyulassy](#) (Columbia U.), [J. Barrette](#), [C. Gale](#) (McGill U.), [R. Bellwied](#) (Wayne State U.), [N. Xu](#) (LBL, Berkeley), MG2005-PHY-22, May 2005. 4pp.

Published in **Phys.Rev.C72:054901,2005**

e-Print Archive: [hep-ph/0505210](#)

8) **A TRANSPORT MODEL FOR NUCLEAR REACTIONS INDUCED BY RADIOACTIVE BEAMS.**

By [Bao-An Li](#) (Arkansas State U.), [Lie-Wen Chen](#), [Champak B. Das](#), [Subal Das Gupta](#), [Charles Gale](#), [Che Ming Ko](#), [Gao-Chan Yong](#), [Wei Zuo](#) (Arkansas State U. & Shanghai Jiaotong U. & McGill U. & Texas A-M, Cyclotron Inst. & Lanzhou, Inst. Modern Phys.), Apr 2005. 10pp.

Talk given at 2nd Workshop on Reaction Mechanisms for Rare Isotope Beams, East Lansing, Michigan, 9-12 Mar 2005.

Published in **AIP Conf.Proc.791:22-31,2005** Also in *East Lansing 2005, Reaction mechanisms for rare isotope beams* 22-31

e-Print Archive: [nucl-th/0504069](#)

9) **IN-MEDIUM EFFECTS ON ELECTROMAGNETIC PROBES.**

By [Charles Gale](#) (McGill U.), Apr 2005. 8pp.

Invited talk at International Conference on Hard and Electromagnetic Probes of High Energy Nuclear Collisions (HP 2004), Ericeira, Portugal, 4-10 Nov 2004.

Published in **Eur.Phys.J.C43:381-388,2005**

e-Print Archive: [hep-ph/0504103](#)

10) **ENERGY LOSS OF LEADING HADRONS AND DIRECT PHOTON PRODUCTION IN EVOLVING QUARK-GLUON PLASMA.**

By [Simon Turbide](#), [Charles Gale](#) (McGill U.), [Sangyong Jeon](#) (McGill U. & RIKEN BNL), [Guy D. Moore](#) (McGill U.), Mar 2005. 20pp.

Published in **Phys.Rev.C72:014906,2005**

e-Print Archive: [hep-ph/0502248](#)

11) **CHARGE TRANSFER FLUCTUATIONS AS A QGP SIGNAL.**

By [Sangyong Jeon \(McGill U. & RIKEN BNL\)](#), [Lijun Shi \(McGill U.\)](#), [Marcus Bleicher \(Frankfurt U.\)](#),
Nov 2005. 4pp.

To appear in the proceedings of 18th International Conference on Ultrarelativistic Nucleus-Nucleus
Collisions: Quark Matter 2005 (QM 2005), Budapest, Hungary, 4-9 Aug 2005.

Published in **J.Phys.Conf.Ser.27:194-203,2005**

e-Print Archive: [nucl-th/0511066](#)

12) **ALL ORDERS TRANSPORT THEORY FROM THE MULTIPLE SCATTERING
EXPANSION OF THE SELF-ENERGY: THE CENTRAL CUTS CASE.**

By [Jean-Sebastien Gagnon](#), [Francois Fillion-Gourdeau \(McGill U.\)](#), [Sangyong Jeon \(RIKEN BNL\)](#), Oct
2005. 4pp.

To appear in the proceedings of 18th International Conference on Ultrarelativistic Nucleus-Nucleus
Collisions: Quark Matter 2005 (QM 2005), Budapest, Hungary, 4-9 Aug 2005.

e-Print Archive: [hep-ph/0510367](#)

13) **PARTICLE MULTIPLICITIES AND FLUCTUATIONS IN 200-GEV AU-AU COLLISIONS.**

By [Giorgio Torrieri \(McGill U.\)](#), [Sangyong Jeon \(McGill U. & RIKEN BNL\)](#), [Johann Rafelski \(Arizona
U.\)](#), Oct 2005. 7pp.

To appear in the proceedings of 35th International Symposium on Multiparticle Dynamics (ISMD 05),
Kromeriz, Czech Republic, 9-15 Aug 2005.

Published in **AIP Conf.Proc.828:55-61,2006** Also in *Kromeriz 2005, Multiparticle dynamics* 55-61

e-Print Archive: [nucl-th/0510024](#)

14) **CONSTRAINING FREEZE-OUT WITH YIELDS AND FLUCTUATIONS.**

By [Giorgio Torrieri \(McGill U.\)](#), [Sangyong Jeon \(McGill U. & RIKEN BNL\)](#), [Johann Rafelski \(Arizona
U.\)](#), Sep 2005. 4pp.

To appear in the proceedings of 18th International Conference on Ultrarelativistic Nucleus-Nucleus
Collisions: Quark Matter 2005 (QM 2005), Budapest, Hungary, 4-9 Aug 2005.

Published in **Rom.Rep.Phys.58:031-036,2006**

e-Print Archive: [nucl-th/0509077](#)

15) **A STATISTICAL MODEL ANALYSIS OF YIELDS AND FLUCTUATIONS IN 200- GEV
AU-AU COLLISIONS.**

By [Giorgio Torrieri \(McGill U.\)](#), [Sangyong Jeon \(McGill U. & RIKEN BNL\)](#), [Johann Rafelski \(Arizona
U.\)](#), Sep 2005. 5pp.

To appear in the proceedings of 18th International Conference on Ultrarelativistic Nucleus-Nucleus
Collisions: Quark Matter 2005 (QM 2005), Budapest, Hungary, 4-9 Aug 2005.

e-Print Archive: [nucl-th/0509067](#)

16) **DETECTING QGP WITH CHARGE TRANSFER FLUCTUATIONS.**

By [Sangyong Jeon \(McGill U. & RIKEN BNL\)](#), [Lijun Shi \(McGill U.\)](#), [Marcus Bleicher \(Frankfurt U.\)](#),
Jun 2005. 6pp.

Published in **Phys.Rev.C73:014905,2006**

e-Print Archive: [nucl-th/0506025](#)

17) **A CLASSICAL ODDERON IN QCD AT HIGH ENERGIES.**

By [Sangyong Jeon \(McGill U. & RIKEN BNL\)](#), [Raju Venugopalan \(Brookhaven\)](#), Mar 2005. 19pp.

Published in **Phys.Rev.D71:125003,2005**

e-Print Archive: [hep-ph/0503219](#)

18) **PARTICLE YIELD FLUCTUATIONS AND CHEMICAL NON-EQUILIBRIUM AT RHIC.**
By [Giorgio Torrieri \(McGill U.\)](#), [Sangyong Jeon \(McGill U. & RIKEN BNL\)](#), [Johann Rafelski \(Arizona U. & CERN\)](#),. CERN-PH-TH-2005-041, Mar 2005. 4pp.
e-Print Archive: [nucl-th/0503026](#)

19) **CHARGE TRANSFER FLUCTUATIONS AS A SIGNAL FOR QGP.**
By [Li-jun Shi \(McGill U.\)](#), [Sangyong Jeon \(McGill U. & RIKEN BNL\)](#),. Mar 2005. 15pp.
Published in [Phys.Rev.C72:034904,2005](#)
e-Print Archive: [hep-ph/0503085](#)

20) **PC-PLC BASED VACUUM CONTROL SYSTEM FOR SUPERCONDUCTING CYCLOTRON AT VECC.**
By [T. Samanta](#), [D. Sarkar](#), [S. Das Gupta \(Calcutta, VECC\)](#),. Oct 2005. 4pp.
Published in *Geneva 2005, ICALEPCS* PO2.100-5

21) **ON A VARIATIONAL PRINCIPLE MODEL FOR THE NUCLEAR CALORIC CURVE.**
By [S. Das Gupta \(McGill U.\)](#),. Aug 2005. 18pp.
Published in [Phys.Rev.C72:064601,2005](#)
e-Print Archive: [nucl-th/0508011](#)

4 DOCUMENTS for the Nuclear Physics Experimental Group Members in 2005:

1) **STRONG COLOR FIELD BARYONIC REMNANTS IN NUCLEUS-NUCLEUS COLLISIONS AT 200-A GEV.**
By [V.Topor Pop \(McGill U.\)](#), [M. Gyulassy \(Columbia U.\)](#), [J. Barrette](#), [C. Gale \(McGill U.\)](#), [R. Bellwied \(Wayne State U.\)](#), [N. Xu \(LBL, Berkeley\)](#),. MG2005-PHY-22, May 2005. 4pp.
Published in [Phys.Rev.C72:054901,2005](#)
e-Print Archive: [hep-ph/0505210](#)

2) **A NEW MULTIDIMENSIONAL RELATIVISTIC HYDRODYNAMICS CODE BASED ON SEMIDISCRETE CENTRAL AND WENO SCHEMES.**
By [Tanvir Rahman](#), [R.B. Moore \(McGill U.\)](#),. Dec 2005. 30pp.
e-Print Archive: [astro-ph/0512246](#)

3) **A NEW MULTIDIMENSIONAL HYDRODYNAMICS CODE BASED ON SEMIDISCRETE CENTRAL AND WENO SCHEMES.**
By [Tanvir Rahman](#), [R.B. Moore \(McGill U.\)](#),. Nov 2005. 49pp.
e-Print Archive: [astro-ph/0511728](#)

4) **FORMATION OF DENSE PARTONIC MATTER IN RELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS AT RHIC: EXPERIMENTAL EVALUATION BY THE PHENIX COLLABORATION.**
By PHENIX Collaboration ([K. Adcox et al.](#)). Oct 2004. 127pp.
Published in [Nucl.Phys.A757:184-283,2005](#)
e-Print Archive: [nucl-ex/0410003](#)

12 DOCUMENTS for the STACEE and VERITAS Collaborations in 2005:

1) MULTIWAVELENGTH OBSERVATIONS OF THE BLAZAR MRK 421 IN DECEMBER 2002 AND JANUARY 2003.

By VERITAS Collaboration ([Paul F. Rebillot et al.](#)). Dec 2005.
Published in *Astrophys.J.***641:740-751,2006**
e-Print Archive: [astro-ph/0512628](#)

2) STATUS AND PERFORMANCE OF THE FIRST VERITAS TELESCOPE.

By VERITAS Collaboration ([J. Holder et al.](#)). Jul 2005. 4pp.
To appear in the proceedings of 29th International Cosmic Ray Conference (ICRC 2005), Pune, India, 3-11 Aug 2005.
e-Print Archive: [astro-ph/0507451](#)

3) A SURVEY OF UNIDENTIFIED EGRET SOURCES AT VERY HIGH ENERGIES.

[S.J. Fegan et al.](#). 2005. 18pp.
Published in *Astrophys.J.***624:638-655,2005**

4) THE STACEE GROUND-BASED GAMMA-RAY DETECTOR.

By STACEE Collaboration ([Douglas M. Gingrich et al.](#)). Jun 2005.
To appear in the proceedings of 2004 IEEE Nuclear Science Symposium and Medical Imaging Conference (NSS / MIC), Rome, Italy, 16-22 Oct 2004.
Published in *IEEE Trans.Nucl.Sci.***52:2977-2985,2005**
e-Print Archive: [astro-ph/0506613](#)

5) A MULTI-WAVELENGTH VIEW OF THE TEV BLAZAR MARKARIAN 421: CORRELATED VARIABILITY, FLARING, AND SPECTRAL EVOLUTION.

[M. Blazejowski et al.](#). May 2005. 32pp.
Published in *Astrophys.J.***630:130-141,2005**
e-Print Archive: [astro-ph/0505325](#)

6) THE VERITAS PROTOTYPE AND THE UPCOMING VERITAS ARRAY.

By VERITAS Collaboration ([A.D. Falcone et al.](#)). 2005. 6pp.
Prepared for 3rd International Symposium on High-Energy Gamma-ray Astronomy, Heidelberg, Germany, 26-30 Jul 2004.
Published in *AIP Conf.Proc.***745:633-638,2005** Also in *Heidelberg 2004, High energy gamma-ray astronomy* 633-638

7) FOLLOW-UP OBSERVATIONS OF GAMMA-RAY BURSTS WITH STACEE.

By STACEE Collaboration ([D.A. Williams et al.](#)). 2005. 5pp.
Prepared for 3rd International Symposium on High-Energy Gamma-ray Astronomy, Heidelberg, Germany, 26-30 Jul 2004.
Published in *AIP Conf.Proc.***745:603-607,2005** Also in *Heidelberg 2004, High energy gamma-ray astronomy* 603-607

8) VERY HIGH ENERGY OBSERVATIONS OF GAMMA RAY BURSTS WITH THE WHIPPLE / VERITAS TELESCOPES.

By VERITAS Collaboration ([D. Horan et al.](#)). 2005. 6pp.
Prepared for 3rd International Symposium on High-Energy Gamma-ray Astronomy, Heidelberg, Germany, 26-30 Jul 2004.

Published in **AIP Conf.Proc.745:591-596,2005** Also in *Heidelberg 2004, High energy gamma-ray astronomy* 591-596

9) THE VERY HIGH ENERGY GAMMA RAY SPECTRA OF IES 1959+650 AND MRK 421 AS MEASURED WITH THE WHIPPLE 10-M TELESCOPE.

By VERITAS Collaboration ([M.K. Daniel et al.](#)). 2005. 6pp.

Prepared for 3rd International Symposium on High-Energy Gamma-ray Astronomy, Heidelberg, Germany, 26-30 Jul 2004.

Published in **AIP Conf.Proc.745:462-467,2005** Also in *Heidelberg 2004, High energy gamma-ray astronomy* 462-467

10) RECENT OBSERVATIONS OF IC443 WITH THE WHIPPLE 10-M TELESCOPE.

By VERITAS Collaboration ([J. Holder et al.](#)). 2005. 6pp.

Prepared for 3rd International Symposium on High-Energy Gamma-ray Astronomy, Heidelberg, Germany, 26-30 Jul 2004.

Published in **AIP Conf.Proc.745:275-280,2005** Also in *Heidelberg 2004, High energy gamma-ray astronomy* 275-280

11) OBSERVATIONS OF THE BL LAC OBJECT 3C 66A WITH STACEE.

[D.A. Bramel et al.](#). Apr 2005.

Published in **Astrophys.J.629:108-114,2005**

e-Print Archive: [astro-ph/0504515](#)

12) SPECTRUM OF VERY HIGH ENERGY GAMMA-RAYS FROM THE BLAZAR IES1959+650 DURING FLARING ACTIVITY IN 2002.

By The VERITAS Collaboration ([Michael K. Daniel et al.](#)). Mar 2005. 25pp.

Published in **Astrophys.J.621:181,2005**

e-Print Archive: [astro-ph/0503085](#)

2 DOCUMENTS for HEP or other publications in 2005:

1) PROSPECTS FOR PROBING TRIPLE GAUGE-BOSON COUPLINGS AT THE LHC.

By [Matt Dobbs \(LBL, Berkeley\)](#)., Jun 2005. 12pp.

Published in **AIP Conf.Proc.753:181-192,2005** Also in *East Lansing 2004, Hadron collider physics* 181-192

e-Print Archive: [hep-ph/0506174](#)

2) Frequency-Domain Multiplexed Readout of Transition-Edge Sensor Arrays with a Superconducting Quantum Interference Device.

By T.M. Lanting}, Hsiao-Mei Cho, John Clarke, Matt Dobbs, W.L. Holzapfel, Adrian T. Lee, M. Lueker, P.L. Richards, A.D. Smith and H.G. Spieler,

Appl. Phys. Lett., 86, 112511 (2005).
