

List of Publications

Reports: *Papers to a Scientific Committee or Panel*, ★ *for Most Significant*

1. ★ “LHCb Reoptimized Detector Design and Performance Technical Design Report”,
LHCb TDR 9, CERN Report CERN/LHCC/2003-030 (Sept. 9 2003)
2. ★ “LHCb RICH Technical Design Report”,
Author of chapter on Multianode Photomultipliers (8 pages)
LHCb TDR 3, CERN Report CERN/LHCC/2000-0037 (Sept. 7 2000)
3. ★ “Proposal for Multi-Anode Photomultiplier Tubes as Photodetectors for the LHCb RICH”,
F.Muheim, LHCb 2000–65 RICH, 26 pages,
http://lhcb-rich.web.cern.ch/lhcb-rich/protected/TDR/TDR_docs.html
4. “LHCb Magnet Technical Design Report”,
LHCb TDR 1, CERN Report CERN/LHCC/2000-007 (Dec. 17 1999)
5. “LHCb Calorimeters Technical Design Report”,
LHCb TDR 2 CERN Report CERN/LHCC/2000-0036 (Sept. 6 2000)
6. “LHCb Muon System”,
LHCb TDR 4, CERN Report CERN/LHCC/2001-0010 (May 28 2001)
7. “LHCb Vertex Locator”,
LHCb TDR 5, CERN Report CERN/LHCC/2001-0011 (May 31 2001)
8. “LHCb Outer Tracker”,
LHCb TDR 6, CERN Report CERN/LHCC/2001-0024 (Sept. 14 2001)
9. “LHCb Data Acquisition & Experiment Control”,
LHCb TDR 7, CERN Report CERN/LHCC/2001-0040 (Dec. 19 2001)
10. “LHCb Inner Tracker Technical Design Report”,
LHCb TDR 8, CERN Report CERN/LHCC/2002-029 (Nov. 8 2002)
11. “LHCb Trigger System Technical Design Report”,
LHCb TDR 10, CERN Report CERN/LHCC/2003-031 (Sept. 9 2003)

Most Significant Publications and Reports (★) - Primary Author:

1. B. Aubert *et al.* [BABAR Collaboration], “Determination of $|V_{ub}|$ from measurements of the electron and neutrino momenta in inclusive semileptonic B decays,” Phys. Rev. Lett. **95**, 111801 (2005) [Erratum-ibid. **97**, 019903 (2006)], cited 16 times
2. ★ “Performance of a cluster of Multi-anode Photomultipliers equipped with lenses for use in a prototype RICH detector”,
E. Albrecht *et al.*, Nucl. Instrum. Meth. A **488**, 110-130 (2002), cited 6 times.
3. ★ “Upper Limit on the Lifetime Difference of Short- and Long-Lived B_s^0 Mesons”,
M. Acciarri *et al.*, L3 collaboration,
Phys. Lett. B 438 (1998) 417-429, cited 24 times.
4. ★ “Measurement of the Average Lifetime of b-Hadrons in Z Decays”,
M. Acciarri *et al.*, L3 collaboration,
Phys. Lett. B 416 (1997) 220-232, cited 17 times.
5. ★ “Measurement of $D_s^- \rightarrow \tau^- \bar{\nu}_\tau$ and a new limit for $B^- \rightarrow \tau^- \bar{\nu}_\tau$ ”,
M. Acciarri *et al.*, L3 collaboration,
Phys. Lett. B 396 (1997) 327-337, cited 60 times.
6. ★ “First Measurement of $\Gamma(D_s^+ \rightarrow \mu^+ \nu)/\Gamma(D_s^+ \rightarrow \phi \pi^+)$ ”,
D. Acosta *et al.*, CLEO collaboration,
Physical Review **D49**, 5690-5700 (1994), cited 73 times.
7. ★ “Measurement of Charmless Semileptonic Decays of B Mesons”,
J. Bartelt *et al.*, CLEO collaboration,
Physical Review Letters **71**, 4111-4115 (1993), cited 165 times
8. ★ “Test of Lepton-Flavour Conservation in $\mu \rightarrow e$ Conversion on Titanium”,
C. Dohmen *et al.*, SINDRUM collaboration,
Physics Letters **B317**, 631-636 (1993), cited 63 times.

Most Significant Publications (★)

1. ★ “Measurement of the CP Violating Asymmetry Amplitude $\sin 2\beta$.”
B. Aubert *et al.*, BABAR collaboration,
Phys. Rev. Lett. **89**, 201802 (2002), cited 355 times.
2. ★ “Observation of CP violation in the B^0 meson system”,
B. Aubert *et al.*, BABAR collaboration,
Phys. Rev. Lett. **87** (2001) 091801, cited 376 times .
3. ★ “Measurements of Cross Sections and Forward-Backward Asymmetries at the Z Resonance and Determination of Electroweak Parameters”,
M. Acciarri *et al.*, L3 collaboration,
European Physical Journal C 16, 1-40 (2000), cited 35 times.
4. ★ “Search for the Standard Model Higgs boson in e^+e^- interactions at $\sqrt{s} = 189$ GeV”,
M. Acciarri *et al.*, L3 collaboration,
Phys. Lett. B 461 (1999) 376-386, cited 21 times.

5. ★ “Pair-Production of W Bosons in e^+e^- Interactions at $\sqrt{s} = 161$ GeV”,
M. Acciarri *et al.*, L3 collaboration,
Phys. Lett. B 398 (1997) 223-238, cited 72 times.
6. ★ “First Measurement of the Rate for the Inclusive Radiative Penguin Decay $b \rightarrow s\gamma$ ”,
M.S. Alam *et al.*, CLEO collaboration,
Physical Review Letters **74**, 2885-2889 (1995), cited 733 times.
7. ★ “Evidence for Penguin-Diagram Decays: First Observation of $B \rightarrow K^*(892)\gamma$ ”,
R. Ammar *et al.*, CLEO collaboration,
Physical Review Letters **71**, 674-678 (1993), cited 538 times.
8. ★ “Observation of B^0 decay to Two Charmless Mesons”,
M. Battle *et al.*, CLEO collaboration,
Physical Review Letters **71**, 3922-3926 (1993), cited 82 times.
9. ★ “Search for the Decay $\mu^+ \rightarrow e^+e^+e^-$ ”,
U. Bellgardt *et al.*, SINDRUM Collaboration, Nuclear Physics **B299**, 1-8 (1988) cited
136 times.

Publications - Chair/Member of Paper Review Committee:

Review of papers within the collaboration prior to publication

1. B. Aubert *et al.* [BABAR Collaboration],
“Study of $b \rightarrow u l$ anti- ν decays on the recoil of fully reconstructed B mesons and determination of $|V(ub)|$,”
arXiv:hep-ex/0408068, contribution to ICHEP2004.
2. ★ “Measurement of the inclusive charmless semileptonic branching ratio of B mesons and determination of $|V_{ub}|$,”
B. Aubert *et al.*, Phys. Rev. Lett. **92**, 071802 (2004), cited 49 times.
3. “Measurement of R_b and $\text{Br}(b \rightarrow \ell\nu X)$ at LEP Using Double-Tag Methods”,
M. Acciarri *et al.*, L3 collaboration,
European Physical Journal C (2000) 47-61, cited 23 times.
4. “Measurement of the Inclusive Charmless Semileptonic Branching Fraction of Beauty Hadrons and a Determination of $|V_{ub}|$ at LEP”,
M. Acciarri *et al.*, L3 collaboration,
Phys. Lett. B 436 (1998) 174-186, cited 46 times..
5. “Measurement of the Branching Ratios $b \rightarrow e\nu X, \mu\nu X, \tau\nu X$ and νX ”,
M. Acciarri *et al.*, L3 collaboration,
Z. Phys. C 71 (1996) 379-389, cited 35 times.
6. “Search for Neutral Charmless B Decays at LEP”,
M. Acciarri *et al.*, L3 collaboration,
Phys. Lett. B 363 (1995) 127-136, cited 16 times.
7. ★ “Measurement of the B Semileptonic Branching Fraction with Lepton Tags”,
B. Barish *et al.*, CLEO Collaboration,
Physical Review Letters **76**, 1570-1574 (1996), cited 123 times.
8. ★ “Measurement of the $\bar{B} \rightarrow D^* \ell \bar{\nu}$ Branching Fractions and $|V_{cb}|$ ”,
B. Barish *et al.*, CLEO collaboration,
Physical Review **D51**, 1014-1033 (1995), cited 169 times.
9. “A Measurement of $\mathcal{B}(D_s^+ \rightarrow \phi \ell^+ \nu_\ell) / \mathcal{B}(D_s^+ \rightarrow \phi \pi^+)$ ”,
F. Butler *et al.*, CLEO collaboration,
Physics Letters **B324**, 255-262 (1994), cited 21 times.
10. “Measurement of the Ratio $\mathcal{B}(D^+ \rightarrow \pi^0 \ell^+ \nu) / \mathcal{B}(D^+ \rightarrow \bar{K}^0 \ell^+ \nu)$ ”,
M.S. Alam *et al.*, CLEO collaboration,
Physical Review Letters **71**, 1311-1315 (1993), cited 54 times.

Other Publications: - Sole or Primary Author

1. F. Muheim, "Studies of MaPMTs with Beetle-chip Read-out," to be published in Nucl. Instrum. Meth. A.
2. J. Bibby *et al.*, "Performance of multi-anode photomultiplier tubes for the LHCb RICH detectors," Nucl. Instrum. Meth. A **546** (2005) 93.
3. "Experimental Review of Inclusive $|V_{ub}|$ Measurements," F. Muheim, in *2nd Workshop on the CKM Unitarity Triangle*, hep-ph/0309217, eConf URL: <http://www.slac.stanford.edu/econf/C0304052>.
4. "Multianode Photo Multiplier Tubes as Photo Detectors for Ring Imaging Cherenkov Detectors," F. Muheim, Nucl. Instrum. Meth. A **502** (2003) 52
5. "Status of the LHCb Experiment", F. Muheim, Nucl. Instrum. Meth **A462** (2001) 233-242, cited 4 times.
6. "Multianode Photo Multipliers for Ring Imaging Cherenkov Detectors", F. Muheim, in *ICHEP2000*, ed. C.S. Lim and T. Yamanaka, World Scientific, Singapore (2001) 1252-1253.
7. "Measurement of the Spectroscopy of Orbitally Excited B Mesons at LEP", M. Acciarri *et al.*, L3 collaboration, Phys. Lett. B 465 (1999) 323-334, cited 17 times.
8. "Heavy Quarkonium Production in Z Decays", M. Acciarri *et al.*, Phys. Lett. B 453 (1999) 94-106, cited 8 times.
9. "Measurement of the $e^+e^- \rightarrow Z \rightarrow b\bar{b}$ Forward-Backward Asymmetry and the $B_0\bar{B}_0$ Mixing Parameter Using Prompt Leptons", M. Acciarri *et al.*, L3 collaboration, Phys. Lett. B 448 (1999) 152-162, cited 14 times.
10. "B and D Spectroscopy at LEP", F. Muheim, in *Heavy Quarks at Fixed Target HQ98*, ed. H.W.K. Cheung *et al.*, AIP conference proceedings 459, (1999) 399-408.
11. "A Review of B Hadron Lifetimes", F. Muheim, in *International Europhysics Conference on High Energy Physics*, ed. D. Lellouch *et al.*, Springer-Verlag, (1999) 567-571.
12. "Prototype Studies for the CLEO III RICH", S. Playfer *et al.*, Nuclear Instruments and Methods **A371**, 321-323 (1996)
13. "Monte Carlo studies of a novel LiF radiator for RICH detectors", A. Efimov *et al.*, Nuclear Instruments and Methods **A365**, 285-290 (1995)
14. "LiF/TEA RICH for CLEO-III particle I.D", M. . Artuso *et al.*, in *The Albuquerque Meeting DPF 94*, ed. S. Seidel, World Scientific, Singapore (1995) 9 pages.

15. “Charm Production in B Decays”,
F. Muheim,
in *The Albuquerque Meeting DPF 94*, ed. S. Seidel, World Scientific, Singapore (1995)
5 pages.
16. “Inclusive Decays of B Mesons to Charmonium”,
R. Balest *et al.*, CLEO collaboration,
Physical Review **D52**, 2661-2672 (1995)
17. “Three Model Dependent Estimates of $\mathcal{B}(D_s^+ \rightarrow \phi\pi^+)$ ”,
F. Muheim and S. Stone, Physical Review **D49**, 3767-3770 (1994), cited 20 times.
18. “First Measurement of $\Gamma(D_s^+ \rightarrow \mu^+\nu)/\Gamma(D_s^+ \rightarrow \phi\pi^+)$ ”,
F. Muheim,
in *5th International Symposium on Heavy Flavour Physics*, ed. D.I. Britton *et al.*,
Editions Frontières, Gif-sur-Yvette Cedex, France (1994) 85-91.
19. “Confirmation of Charmless Semileptonic Decays of B Mesons”,
F. Muheim,
in *The Fermilab Meeting DPF 92*, World Scientific, Singapore (1993) 614-617.
20. “A radial projection drift chamber using a CO_2 - iC_4H_{10} gas mixture”,
M. Grossmann-Handschin *et al.*, Nuclear Instruments and Methods **A327**, 378-385
(1993).
21. “Search for $\mu^- \rightarrow e^-$ Conversion with SINDRUM II”,
F. Muheim,
in *'91 Electroweak Interactions and Unified Theories*, ed. J. Trân Thanh Vân, Editions
Frontières, Gif-sur-Yvette Cedex, France (1991) 347-355.

Publications BABAR Experiment:

1. B. Aubert *et al.*, “Observation of $B^+ \rightarrow \bar{K}^0 K^+$ and $B^0 \rightarrow K^0 \bar{K}^0$,” Phys. Rev. Lett. **97**, 171805 (2006)
2. B. Aubert *et al.*, “Measurement of the branching fraction and time-dependent CP asymmetry in the decay $B^0 \rightarrow D^{*+} D^{*-} K_S^0$,” Phys. Rev. D **74**, 091101 (2006)
3. B. Aubert *et al.*, “Precise branching ratio measurements of the decays $D^0 \rightarrow \pi^- \pi^+ \pi^0$ and $D^0 \rightarrow K^- K^+ \pi^0$,” Phys. Rev. D **74**, 091102 (2006)
4. B. Aubert *et al.*, “Measurement of branching fractions and charge asymmetries in B decays to an η meson and a K^* meson,” Phys. Rev. Lett. **97**, 201802 (2006)
5. B. Aubert *et al.*, “Branching fraction measurements of charged B decays to $K^{*+} K^+ K^-$, $K^{*+} \pi^+ K^-$, $K^{*+} K^+ \pi^-$ and $K^{*+} \pi^+ \pi^-$ final states,” Phys. Rev. D **74**, 051104 (2006)
6. B. Aubert *et al.*, “Measurement of the ratio $B(B^+ \rightarrow X e \nu)/B(B^0 \rightarrow X e \nu)$,” Phys. Rev. D **74**, 091105 (2006)
7. B. Aubert *et al.*, “Measurement of the $B \rightarrow \pi \ell \nu$ branching fraction and determination of $|V_{ub}|$ with tagged B mesons,” Phys. Rev. Lett. **97**, 211801 (2006)
8. B. Aubert *et al.*, “Measurement of the branching fraction and photon energy moments of $B \rightarrow X_s \gamma$ and $A_{CP}(B \rightarrow X_{s+d} \gamma)$,” Phys. Rev. Lett. **97**, 171803 (2006)
9. B. Aubert *et al.*, “Searches for B^0 decays to ηK^0 , $\eta \eta$, $\eta' \eta'$, $\eta \phi$, and $\eta' \phi$,” Phys. Rev. D **74**, 051106 (2006)
10. B. Aubert *et al.*, “Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow \rho K^*$ and $B \rightarrow f_0(980) K^*$ decays,” Phys. Rev. Lett. **97**, 201801 (2006)
11. B. Aubert *et al.*, “Search for $B^+ \rightarrow X(3872) K^+$, $X(3872) \rightarrow J/\psi \gamma$,” Phys. Rev. D **74**, 071101 (2006)
12. B. Aubert *et al.*, “Measurements of the decays $B^0 \rightarrow \bar{D}^0 p \bar{p}$, $B^0 \rightarrow \bar{D}^{*0} p \bar{p}$, $B^0 \rightarrow D^- p \bar{p} \pi^+$, and $B^0 \rightarrow D^{*-} p \bar{p} \pi^+$,” Phys. Rev. D **74**, 051101 (2006)
13. B. Aubert *et al.*, “Observation of $e^+ e^-$ annihilations into the $C = +1$ hadronic final states $\rho^0 \rho^0$ and $\phi \rho^0$,” Phys. Rev. Lett. **97**, 112002 (2006)
14. B. Aubert *et al.*, “Search for the decay of a B^0 or \bar{B}^0 meson to $\bar{K}^{*0} K^0$ or $K^{*0} \bar{K}^0$,” Phys. Rev. D **74**, 072008 (2006)
15. B. Aubert *et al.*, “Measurement of the spin of the Omega- hyperon at BABAR,” Phys. Rev. Lett. **97**, 112001 (2006)
16. B. Aubert *et al.*, “Search for the decay $B^0 \rightarrow K_S^0 K_S^0 K_L^0$,” Phys. Rev. D **74**, 032005 (2006)
17. B. Aubert *et al.*, “Search for doubly charmed baryons Ξ_{cc}^+ and Ξ_{cc}^{++} in BABAR,” Phys. Rev. D **74**, 011103 (2006)
18. B. Aubert *et al.*, “Measurement of the $D^+ \rightarrow \pi + \pi^0$ and $D^+ \rightarrow K^+ \pi^0$ branching fractions,” Phys. Rev. D **74**, 011107 (2006)

19. B. Aubert *et al.*, “Search for $B^+ \rightarrow \phi\pi^+$ and $B^0 \rightarrow \phi\pi^0$ decays,” Phys. Rev. D **74**, 011102 (2006)
20. B. Aubert *et al.*, “Study of $B \rightarrow D^{(*)}D_{s(J)}^{(*)}$ decays and measurement of D_s^- and $D_{sJ}(2460)^-$ branching fractions,” Phys. Rev. D **74**, 031103 (2006)
21. B. Aubert *et al.*, “Search for the decay $B^0 \rightarrow a_1^\pm \rho^\mp$,” Phys. Rev. D **74**, 031104 (2006)
22. B. Aubert *et al.*, “Measurement of the η and η' transition form factors at $q^2 = 112 \text{ GeV}^2$,” Phys. Rev. D **74**, 012002 (2006)
23. B. Aubert *et al.*, “ B meson decays to ωK^* , $\omega\rho$, $\omega\omega$, $\omega\phi$, and ωf_0 ,” Phys. Rev. D **74**, 051102 (2006)
24. B. Aubert *et al.*, “Search for B meson decays to $\eta'\eta'K$,” Phys. Rev. D **74**, 031105 (2006)
25. B. Aubert *et al.*, “Dalitz plot analysis of the decay $B^\pm \rightarrow K^\pm K^\pm K^\mp$,” Phys. Rev. D **74**, 032003 (2006)
26. B. Aubert *et al.*, “Measurement of branching fractions and CP-violating charge asymmetries for B meson decays to $D^{(*)}\bar{D}^{(*)}$, and implications for the CKM angle γ ,” Phys. Rev. D **73**, 112004 (2006)
27. B. Aubert *et al.*, “Observation of $\Upsilon(4S)$ decays to $\pi^+\pi^-\Upsilon(1S)$ and $\pi^+\pi^-\Upsilon(2S)$,” Phys. Rev. Lett. **96**, 232001 (2006)
28. B. Aubert *et al.*, “A study of the $D_{sJ}^*(2317)^+$ and $D_{sJ}(2460)^+$ mesons in inclusive $c\bar{c}$ production near $\sqrt{s} = 10.6 \text{ GeV}$,” Phys. Rev. D **74**, 032007 (2006)
29. B. Aubert *et al.*, “Measurement of the $B^- \rightarrow D^0 K^{*-}$ branching fraction,” Phys. Rev. D **73**, 111104 (2006)
30. B. Aubert *et al.*, “Measurement of $\bar{B}^0 \rightarrow D^{(*)0}\bar{K}^{(*)}$ branching fractions,” Phys. Rev. D **74**, 031101 (2006)
31. B. Aubert *et al.*, “Search for the decay $\tau^- \rightarrow 3\pi^- 2\pi^+ 2\pi^0 \nu_\tau$,” Phys. Rev. D **73**, 112003 (2006)
32. B. Aubert *et al.*, “Study of the decay $\bar{B}^0 \rightarrow D^{*+}\omega\pi^-$,” Phys. Rev. D **74**, 012001 (2006)
33. B. Aubert *et al.*, “Measurements of branching fractions, rate asymmetries, and angular distributions in the rare decays $B \rightarrow K\ell^+\ell^-$ and $B \rightarrow K^*\ell^+\ell^-$,” Phys. Rev. D **73**, 092001 (2006)
34. B. Aubert *et al.*, “Search for the charmed pentaquark candidate $\Theta_c(3100)^0$ in e^+e^- annihilations at $\sqrt{s} = 10.58 \text{ GeV}$,” Phys. Rev. D **73**, 091101 (2006)
35. B. Aubert *et al.*, “Measurement of branching fractions in radiative B decays to $\eta K\gamma$ and search for B decays to $\eta'K\gamma$,” Phys. Rev. D **74**, 031102 (2006)
36. B. Aubert *et al.*, “Search for T, CP and CPT violation in B^0 anti- B^0 mixing with inclusive dilepton events,” Phys. Rev. Lett. **96**, 251802 (2006)
37. B. Aubert *et al.*, “Observation of B^0 meson decay to $a_1(1260)^\pm\pi^\mp$,” Phys. Rev. Lett. **97**, 051802 (2006)

38. B. Aubert *et al.*, “Measurements of CP-violating asymmetries and branching fractions in B decays to ωK and $\omega\pi$,” Phys. Rev. D **74**, 011106 (2006)
39. B. Aubert *et al.*, “Branching fraction limits for B^0 decays to $\eta'\eta, \eta'\pi^0$ and $\eta\pi^0$,” Phys. Rev. D **73**, 071102 (2006)
40. B. Aubert *et al.*, “Measurements of the branching fraction and time-dependent CP asymmetries of $B^0 \rightarrow J/\psi\pi^0$ decays,” Phys. Rev. D **74**, 011101 (2006)
41. B. Aubert *et al.*, “Measurement of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)\pm}\pi^\mp$ and $B^0 \rightarrow D^\pm\rho^\mp$ decays,” Phys. Rev. D **73**, 111101 (2006)
42. B. Aubert *et al.*, “Measurements of the $B \rightarrow D^*$ form factors using the decay $\bar{B}^0 \rightarrow D^{*+}e^-\bar{\nu}_e$,” Phys. Rev. D **74**, 092004 (2006)
43. B. Aubert *et al.*, “The $e^+e^- \rightarrow 3(\pi^+\pi^-), 2(\pi^+\pi^-\pi^0)$ and $K^+K^-2(\pi^+\pi^-)$ cross sections at center-of-mass energies from production threshold to 4.5-GeV measured with initial-state radiation,” Phys. Rev. D **73**, 052003 (2006)
44. B. Aubert *et al.*, “Determinations of $|V_{ub}|$ from inclusive semileptonic B decays with reduced model dependence,” Phys. Rev. Lett. **96**, 221801 (2006)
45. B. Aubert *et al.*, “Measurements of the branching fractions and CP-asymmetries of $B^- \rightarrow D^0(CP)K^-$ decays,” Phys. Rev. D **73**, 051105 (2006)
46. B. Aubert *et al.*, “Search for the rare decays $B^0 \rightarrow D_s^{(*)+}a_{0(2)}^-$,” Phys. Rev. D **73**, 071103 (2006)
47. B. Aubert *et al.*, “Search for rare quark-annihilation decays, $B^- \rightarrow D_s^{(*)-}\phi$,” Phys. Rev. D **73**, 011103 (2006)
48. B. Aubert *et al.*, “A study of $e^+e^- \rightarrow p\bar{p}$ using initial state radiation with BABAR,” Phys. Rev. D **73**, 012005 (2006)
49. B. Aubert *et al.*, “A search for the rare decay $B^0 \rightarrow \tau^+\tau^-$ at BABAR,” Phys. Rev. Lett. **96**, 241802 (2006)
50. B. Aubert *et al.*, “Measurements of the absolute branching fractions of $B^\pm \rightarrow K^\pm X_{c\bar{c}}$,” Phys. Rev. Lett. **96**, 052002 (2006)
51. B. Aubert *et al.*, “Search for the W-exchange decays $B^0 \rightarrow D_s^{(*)-}D_s^{(*)+}$,” Phys. Rev. D **72**, 111101 (2005)
52. B. Aubert *et al.*, “Measurement of the inclusive electron spectrum in charmless semileptonic B decays near the kinematic endpoint and determination of $|V_{ub}|$,” Phys. Rev. D **73**, 012006 (2006)
53. B. Aubert *et al.*, “Measurement of branching fractions and resonance contributions for $B^0 \rightarrow \bar{D}^0K^+\pi^-$ and search for $B^0 \rightarrow D^0K^+\pi^-$ decays,” Phys. Rev. Lett. **96**, 011803 (2006)
54. B. Aubert *et al.*, “Measurement of the branching ratios $\Gamma(D_s^{*+} \rightarrow D_s^+\pi^0)/\Gamma(D_s^{*+} \rightarrow D_s^+\gamma)$ and $\Gamma(D^{*0} \rightarrow D^0\pi^0)/\Gamma(D^{*0} \rightarrow D^0\gamma)$,” Phys. Rev. D **72**, 091101 (2005)
55. B. Aubert *et al.*, “Measurements of neutral B decay branching fractions to $K_S^0\pi^+\pi^-$ final states and the charge asymmetry of $B^0 \rightarrow K^{*+}\pi^-$,” Phys. Rev. D **73**, 031101 (2006)

56. B. Aubert *et al.*, “Search for lepton flavor violation in the decay $\tau^\pm \rightarrow e^\pm \gamma$,” Phys. Rev. Lett. **96**, 041801 (2006)
57. B. Aubert *et al.*, “Measurements of the $B \rightarrow X_s \gamma$ branching fraction and photon spectrum from a sum of exclusive final states,” Phys. Rev. D **72**, 052004 (2005)
58. B. Aubert *et al.*, “A study of $b \rightarrow c$ and $b \rightarrow u$ interference in the decay $B^- \rightarrow (K^+ \pi^-) DK^{*-}$,” Phys. Rev. D **72**, 071104 (2005)
59. B. Aubert *et al.*, “Study of $J/\psi \pi^+ \pi^-$ states produced in $B^0 \rightarrow J/\psi \pi^+ \pi^- K^0$ and $B^- \rightarrow J/\psi \pi^+ \pi^- K^-$,” Phys. Rev. D **73**, 011101 (2006)
60. B. Aubert *et al.*, “A search for the decay $B^+ \rightarrow \tau^+ \nu_\tau$,” Phys. Rev. D **73**, 057101 (2006)
61. B. Aubert *et al.*, “Measurement of the \bar{B}^0 lifetime and the $B^0 \bar{B}^0$ oscillation frequency using partially reconstructed $\bar{B}^0 \rightarrow D^{*+} \ell^- \bar{\nu}_\ell$ decays,” Phys. Rev. D **73**, 012004 (2006)
62. B. Aubert *et al.*, “Measurement of the time-dependent CP-violating asymmetry in $B^0 \rightarrow K_S^0 \pi^0 \gamma$ decays,” Phys. Rev. D **72**, 051103 (2005)
63. B. Aubert *et al.*, “Dalitz plot analysis of $D^0 \rightarrow \bar{K}^0 K^+ K^-$,” Phys. Rev. D **72**, 052008 (2005)
64. B. Aubert *et al.*, “An amplitude analysis of the decay $B^\pm \rightarrow \pi^\pm \pi^\pm \pi^\mp$,” Phys. Rev. D **72**, 052002 (2005)
65. B. Aubert *et al.*, “Evidence for $B^+ \rightarrow \bar{K}^0 K^+$ and $B^0 \rightarrow K^0 \bar{K}^0$, and measurement of the branching fraction and search for direct CP violation in $B^+ \rightarrow K^0 \pi^+$,” Phys. Rev. Lett. **95**, 221801 (2005)
66. B. Aubert *et al.*, “A precision measurement of the Λ_c^+ baryon mass,” Phys. Rev. D **72**, 052006 (2005)
67. B. Aubert *et al.*, “Dalitz-plot analysis of the decays $B^\pm \rightarrow K^\pm \pi^\mp \pi^\pm$,” Phys. Rev. D **72**, 072003 (2005) [Erratum-ibid. D **74**, 099903 (2006)]
68. B. Aubert *et al.*, “Study of $B \rightarrow \pi \ell \nu$ and $B \rightarrow \rho \ell \nu$ decays and determination of $|V_{ub}|$,” Phys. Rev. D **72**, 051102 (2005)
69. B. Aubert *et al.*, “Measurement of CP asymmetries for the decays $B^\pm \rightarrow D_{CP}^0 K^{*\pm}$,” Phys. Rev. D **72**, 071103 (2005)
70. B. Aubert *et al.*, “Measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay $B^0 \rightarrow D^{*+} D^{*-}$,” Phys. Rev. Lett. **95**, 151804 (2005)
71. B. Aubert *et al.*, “Observation of a broad structure in the $\pi^+ \pi^- J/\psi$ mass spectrum around 4.26-GeV/ c^2 ,” Phys. Rev. Lett. **95**, 142001 (2005)
72. B. Aubert *et al.*, “Search for the rare decay $\bar{B}^0 \rightarrow D^{*0} \gamma$,” Phys. Rev. D **72**, 051106 (2005)
73. B. Aubert *et al.*, “Search for lepton-flavor and lepton-number violation in the decay $\tau^- \rightarrow \ell^\mp h^\pm h'^-$,” Phys. Rev. Lett. **95**, 191801 (2005)

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