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Education

Ph.D. in physics from Univ. of Cal., Riverside, 1984
Specialization: Experimental High Energy Physics
Dissertation: “Charm Production at the CERN Proton-Antiproton Collider”
Advisor: Anne Kernan
M.S. in physics from Univ. of Cal., Riverside, 1981
B.A. in physics from Univ. of Cal., Irvine, 1978

Experience

July 2012 – June 2018: Department Head, Physics, University of Oregon
September 2000 – present: Professor, University of Oregon
September 1994 – 2000: Associate Professor, University of Oregon
September 1989 – 1994: Assistant Professor, University of Oregon

Joined the Oregon experimental high energy physics group in 1989. 1989-2005 research at Oregon included the SLD (SLAC) Collaboration, the NuTeV (FNAL) Collaboration, and the BaBar (SLAC) Collaboration, SSC and ILC R&D work; 2005-present research focused on gravitational-wave detection and astrophysics with the LIGO Scientific Collaboration.

Awarded one-year SSC Fellowship in March 1993.

On leave at SLAC 1995-96 to take position as Commissioner of SLD.

Elected Chair SLAC Users Organization 1998-2000.

Member, Executive Committee, LIGO Scientific Collaboration, 2010-13, 2019.

As co-discoverer of gravitational waves, shared the following with my collaborators: Milner Breakthrough Prize in Fundamental Physics (2016), Gruber Cosmology Prize (2016), Bruno Rossi Prize (2017), Royal Astronomical Society Group Achievement Award (2017).

May 1986 – Sept 1989: Post-doctoral Research Associate, University of Michigan

In residence for this period at the Stanford Linear Accelerator Center (SLAC) while collaborating on the Mark II experiment.

July 1984 – May 1986: Research Associate, University of California, Riverside

Member of the UA1 Collaboration at CERN, Geneva, Switzerland, where high energy proton-antiproton collisions were studied.

1980 – 1984: Research Assistant (Graduate Student), University of California, Riverside

Graduate research experience with the UA1 experiment at CERN.

1978 – 1980: Teaching Assistant, University of California, Riverside

Journal Publications

1. "Some Observations of the First Events Seen at the CERN Proton – Antiproton Collider", [UA1 Collab.], Phys. Lett. 107B (1980) 320
2. "Transverse Momentum Spectrum for Charged Particles Produced at the CERN Proton – Antiproton Collider", [UA1 Collab.], Phys. Lett. 118B (1982) 167.
3. "First Observation of Correlations Between High Transverse Momentum Charged Particles in Events from the CERN Proton – Antiproton Collider", [UA1 Collab.], Phys. Lett. 118B (1982) 173.
4. "Small Angle Elastic Scattering at the CERN Proton – Antiproton Collider", [UA1 Collab.], Phys. Lett. 121B (1983) 77.
5. "Search for Centauro like Events at the CERN Proton – Antiproton Collider", [UA1 Collab.], Phys. Lett. 122B (1983) 189.
6. "Charged Particle Multiplicity Distributions in Proton – Antiproton Collisions at 540 GeV Center of Mass Energy", [UA1 Collab.], Phys. Lett. 123B (1983) 108.
7. "Observation of Jets in High Transverse Energy Events at the CERN Proton – Antiproton Collider", [UA1 Collab.], Phys. Lett. 123B (1983) 103.
8. "Experimental Observation of Isolated Large Transverse Energy Electrons with Associated Missing Energy at $\sqrt{s} = 540$ GeV", [UA1 Collab.], Phys. Lett. 122B (1983) 103.
9. "Experimental Observation of Lepton Pairs of Invariant Mass Around 95 GeV/ c^2 at the CERN SPS Collider", [UA1 Collab.], Phys. Lett. 126B (1983) 398.
10. "Elastic and Total Cross Section Measurement at the CERN Proton – Antiproton Collider", [UA1 Collab.] Phys. Lett. 128B (1983) 336.
11. "Further Evidence for Charged Intermediate Vector Bosons at the SPS Collider", [UA1 Collab.] Phys. Lett. 129B (1983) 273.
12. "Hadronic Jet Production at the CERN Proton – Antiproton Collider", [UA1 Collab.], Phys. Lett. 132B (1983) 214.
13. "Jet Fragmentation into Charged Particles at the CERN Proton – Antiproton Collider", [UA1 Collab.] Phys. Lett. 132B (1983) 223.
14. "Observation of the Muonic Decay of the Charged Intermediate Vector Boson", [UA1 Collab.], Phys. Lett. 134B (1984) 469.
15. "Search for Massive $e\nu\gamma$ and $\mu\nu\gamma$ Final States at the CERN Super Proton Synchrotron Collider", [UA1 Collab.], Phys. Lett. 135B (1984) 250.
16. "Angular Distributions and Structure Functions from Two-jet Events at the CERN SPS $p\bar{p}$ Collider", [UA1 Collab.], Phys. Lett. 136B (1984) 294.
17. "Experimental Observation of Events with Large Missing Transverse Energy Accompanied by a Jet or a Photon in $p\bar{p}$ Collisions at $\sqrt{s} = 540$ GeV", [UA1 Collab.] Phys. Lett. 139B (1984) 115.

18. “ $D^{*\pm}$ Production in Jets at the CERN SPS Collider”, [UA1 Collab.], Phys. Lett. 147B (1984) 222.
19. “Observation of Muonic Z^0 Decay at the $p\bar{p}$ Collider”, [UA1 Collab.], Phys. Lett. 147B (1984) 241.
20. “Associated Production of an Isolated, Large-transverse-momentum Lepton (electron or muon), and Two Jets at the CERN $p\bar{p}$ Collider”, [UA1 Collab.], Phys. Lett. 147B (1984) 493.
21. “W Production Properties at the CERN SPS Collider”, [UA1 Collab.], Nuovo Cimento Letters 44 (1985) 1.
22. “Comparison of Three-jet and Two-jet Cross Sections in $p\bar{p}$ Collisions at the CERN SPS $p\bar{p}$ Collider”, [UA1 Collab.], Phys. Lett. 158B (1985) 494.
23. “Analysis of the Fragmentation Properties of Quark and Gluon Jets at the CERN SPS $p\bar{p}$ Collider”, [UA1 Collab.], Nucl. Phys. B276 (1986) 253.
24. “Angular Distributions for High-Mass Jet Pairs and a Limit on the Energy Scale of Compositeness for Quarks at the CERN $p\bar{p}$ Collider”, [UA1 Collab.], Phys. Lett. 177B (1986) 244.
25. “Recent Results on Intermediate Vector Boson Properties at the CERN Super Proton Synchrotron Collider”, [UA1 Collab.], Phys. Lett. 166B (1986) 484.
26. “A Microvertex Detector for Experiment UA1 at the CERN $Spp\bar{S}$ Collider”, L. Bassi, *et al.*, Nucl. Instr. Meth. A252 (1986) 387.
27. “Measurement of the Inclusive Jet Cross Section at the CERN $p\bar{p}$ Collider” [UA1 Collab.], Phys. Lett. 172B (1986) 463.
28. “Production of W’s with Large Transverse Momentum at the CERN Proton-Antiproton Collider”, [UA1 Collab.], Phys. Lett. 193B (1987) 389.
29. “Events with Large Missing Transverse Energy at the CERN Collider: I. $W \rightarrow \tau\nu$ Decay and Test of $\tau\text{-}\mu\text{-}e$ Universality at $Q^2 = m_W^2$ ”, [UA1 Collab.], Phys. Lett. 185B (1987) 233; Addendum-ibid **191B** (1987) 462.
30. “Events with Large Missing Transverse Energy at the CERN Collider: II. Search for the Decays of W^\pm into Heavy Leptons and of the Z^0 into Non-interacting Particles”, [UA1 Collab.], Phys. Lett. 185B (1987) 241; Addendum-ibid 191B (1987) 463; Erratum-ibid 197B (1987) 565.
31. “Events with Large Missing Transverse Energy at the CERN Collider: III. Mass Limits on Supersymmetric Particles”, [UA1 Collab.], Phys. Lett. 198B (1987) 261.
32. “Beauty Production at the CERN Proton-Antiproton Collider”, [UA1 Collab.], Phys. Lett. 186B (1987) 237.
33. “Search for $B^0\text{-}\bar{B}^0$ Oscillations at the CERN Proton – Antiproton Collider”, [UA1 Collab.], Phys. Lett. 186B (1987) 247; Erratum-ibid 197B (1987) 565.
34. “Intermediate Vector Boson Cross Sections at the CERN Super Proton Synchrotron Collider and the Number of Neutrino Types”, [UA1 Collab.], Phys. Lett. 198B (1987) 271.

35. "Analysis of the Highest Transverse Energy Events Seen in the UA1 Detector at the $S\bar{p}\bar{p}S$ Collider", [UA1 Collab.], *Z. Phys.* C36 (1987) 33.
36. "Measurement of the D^0 Lifetime from the Upgraded Mark II Detector at PEP", (Mark II Collab.) *Phys. Rev.* D36 (1987) 2850.
37. "Multihadronic Events at $E_{cm} = 29$ GeV and Predictions of QCD Models from $E_{cm} = 29$ GeV to $E_{cm} = 93$ GeV", (Mark II Collab.) *Phys. Rev.* D37 (1988) 1.
38. "Determination of α_s from Energy - Energy Correlations in e^+e^- Annihilation at 29 GeV", (Mark II Collab.), *Phys. Rev.* D37 (1988) 3091.
39. "Radiative Corrections to the Z^0 Resonance", J. Alexander, G. Bonvicini, P. Drell, and R. Frey, *Phys. Rev.* D37 (1988) 56.
40. "Heavy Flavor Resonances and QED Radiative Corrections", J. Alexander, G. Bonvicini, P. Drell, R. Frey, and V. Lüth, *Nucl. Phys.* B320 (1989) 45.
41. "A Monitor for Gamma Radiation at Zero Degrees from the SLC Collision Point", G. Bonvicini, R. Field, R. Frey, E. Gero, W. Koska, and A. Minten, *Nucl. Instr. Meth.* A277 (1989) 297.
42. "First Observation of Beamstrahlung", G. Bonvicini, C. Field, R. Frey, E. Gero, W. Koska, A. Minten, and N. Phinney, *Phys. Rev. Lett.* 62 (1989) 2381.
43. "The Mark II Detector for the SLC", (Mark II Collab.), *Nucl. Instr. and Methods* A281 (1989) 55.
44. "Initial Measurements of Z Boson Resonance Parameters in e^+e^- Annihilation", (Mark II Collab.), *Phys. Rev. Lett.* 63 (1989) 724.
45. "Searches for nonminimal Higgs bosons from a virtual Z decaying into a muon pair at the SLAC e^+e^- storage ring PEP", (Mark II Collab.), *Phys. Rev.* D40 (1989) 721.
46. "Search for B-Decay to Higgs Bosons for Higgs Boson Masses Between 50 and 210 MeV/c²", (Mark II Collab.), *Phys. Lett. B* (1989) 169.
47. "First Measurements of Hadronic Decays of the Z Boson", (Mark II Collab.), *Phys. Rev. Lett.* 63 (1989) 1558.
48. "Measurements of Z Boson Resonance Parameters in e^+e^- Annihilation", (Mark II Collab.), *Phys. Rev. Lett.* 63 (1989) 2173.
49. "Measurement of Z Decays into Lepton Pairs", (Mark II Collab.), *Phys. Rev. Lett.* 63 (1989) 2780.
50. "Searches for New Quarks and Leptons Produced in Z Boson Decay", (Mark II Collab.), *Phys. Rev. Lett.* 63 (1989) 2447.
51. "Studies Of Intermediate Vector Boson Production And Decay In UA1 at the Cern Proton - Anti-Proton Collider," [UA1 Collab.], *Z. Phys. C* 44 (1989) 15.

52. "Search for Long-lived Massive Neutrinos in Z Decays", (Mark II Collab.) Phys. Rev. Lett. 64 (1990) 1091.
53. "Determination of α_s from a Differential Jet Multiplicity Distribution in e^+e^- Collisions at $\sqrt{s}=29$ and 91 GeV", (Mark II Collab.), Phys. Rev. Lett. 64 (1990) 987.
54. "Measurement of the $b\bar{b}$ Fraction in Hadronic Z Decays", (Mark II Collab.), Phys. Rev. Lett. 64 (1990) 1211.
55. "Measurement of the B^0 -meson Lifetime", (Mark II Collab.), Phys. Rev. Lett. 64 (1990) 1095.
56. "Upper Limits on D^\pm and B^\pm Decays to Two Leptons plus π^\pm or K^\pm ", (Mark II Collab.), Phys. Rev. D41 (1990) 1384.
57. "Measurements of Charged Particle Inclusive Distributions in Hadronic Decays of the Z Boson", (Mark II Collab.), Phys. Rev. Lett. 64 (1990) 1334.
58. "Search for Non-minimal Neutral Higgs Bosons from Z Boson Decays", (Mark II Collab.), Phys. Rev. Lett. 64 (1990) 2881.
59. "A Search for Decays of the Z to Unstable Neutral Leptons with Mass Between 2.5 and 22 GeV/ c^2 ", (Mark II Collab.), Phys. Rev. D41 (1990) 3542.
60. "A Search for Doubly Charged Higgs Scalars in Z Decay", (Mark II Collab.), Phys. Rev. Lett. 64 (1990) 2877.
61. "A Reanalysis of $B^0-\bar{B}^0$ Mixing in e^+e^- Annihilation at 29 GeV", (Mark II Collab.), Phys. Lett. B240 (1990) 289.
62. "A Search for Pair Production of Heavy Stable Charged Particles in Z Decays", (Mark II Collab.), Phys. Rev. Lett. 64 (1990) 2980.
63. "Search for Supersymmetric Particles Produced in Z Boson Decay", (Mark II Collab.), Phys. Rev. Lett. 64 (1990) 2984.
64. "A Search for Elastic Non-diagonal Lepton Pair Production in e^+e^- Annihilation at $\sqrt{s} = 29$ GeV", (Mark II Collab.), Phys. Rev. Lett. 66 (1991) 1007.
65. "Measurement of the Total Hadronic Cross Section in e^+e^- Annihilation at $\sqrt{s} = 29$ GeV", (Mark II Collab.), Phys. Rev. D43 (1991) 34.
66. "Measurement of the $b\bar{b}$ Fraction in Hadronic Z^0 Decays with Precision Vertex Detectors", (Mark II Collab.), Phys. Rev. Lett. 67 (1991) 3347.
67. "First Results from the SLD Silicon Calorimeters", S.C. Berridge, *et al.*, IEEE Trans. Nucl. Sci. NS-39, (1992) 242.
68. "Measurement of the Charged Multiplicity of Events Containing Bottom Hadrons at $E_{CM} = 91$ GeV", (Mark II Collab.), Phys. Rev D46 (1992) 453.
69. "A Luminosity Monitor for the Mark II Detector at the SLC", G. Bonvicini, J. Chapman, R. Frey, S.J. Hong, J. Hylen, E. Gero, J.A.J. Mathews, M. Petradza, R. Thun, and H. Veltman, Nucl. Inst. and Meth. A317 (1992) 453.

70. "A Prototype Silicon Preradiator for the SSC", A. Arodzero, J. Brau, R. Frey, K. Furuno, H. Hwang, D. Mason, D. Strom, X. Yang, G. Bashindzhagyan, and R.A. Todd), IEEE Trans. Nucl. Sci. NS-40, (1993) 563.
71. "First Measurement of the Left-Right Cross Section Asymmetry in Z Boson Production by e^+e^- Collisions", [SLD Collab.], Phys. Rev. Lett. 70 (1993) 2515.
72. "A Measurement of α_s from Jet Rates at the Z^0 Resonance", [SLD Collab.], Phys. Rev. Lett. 71 (1993) 2528.
73. "Measurement of the Charged Multiplicity of $Z^0 \rightarrow b\bar{b}$ Events", [SLD Collab.], Phys. Rev. Lett. 72 (1994) 3145.
74. "Precise Measurement of the Left-Right Cross Section Asymmetry in Z Boson Production by e^+e^- Collisions", [SLD Collab.], Phys. Rev. Lett. 73 (1994) 25.
75. "Performance of a Longitudinally-Segmented CsI(Tl) Array Suitable for a Low or Medium Energy e^+e^- Storage Ring", R. Baggs, *et al.*, Nucl. Inst. and Meth. A344 (1994) 547.
76. "Measurement of α_s from Hadronic Event Observables at the Z^0 Resonance", [SLD Collab.], Phys. Rev. D51 (1995) 962.
77. "Observation of Target Electron Momentum Effects in Single-Arm Møller Polarimetry", M. Swartz, H.R. Band, F.J. Decker, P. Emma, M.J. Fero, R. Frey, R. King, A. Lath, T. Limberg, R. Prepost, P.C. Rowson, B.A. Schumm, M. Woods, M. Zolotorev, Nucl. Inst. and Meth. A363 (1995) 526.
78. "Polarized Bhabha Scattering and a Precision Measurement of the Electron Neutral Current Couplings", [SLD Collab.], Phys. Rev. Lett. 74 (1995) 2880.
79. "Measurement of α_s from Energy-Energy Correlations at the Z^0 ", [SLD Collab.], Phys. Rev. D50 (1994) 5580.
80. "Measurement of A_b from the Left-Right Forward-Backward Asymmetry of b -quark Production in Z^0 Decays Using a Momentum-weighted Track Charge Technique", [SLD Collab.], Phys. Rev. Lett. 74 (1995) 2890.
81. "Study of 18-cm Long Single Sided AC Coupled Silicon Microstrip Detectors", R.T. Kollipara, *et al.*, IEEE Trans. Nucl. Sci. 42 (1995) 92.
82. "A Search for Jet Handedness in Hadronic Z^0 Decays", [SLD Collab.], Phys. Rev. Lett. 74 (1995) 1512.
83. "Measurement of the Parity-Violation Parameters A_b and A_c from the Left-Right Forward-Backward Asymmetry of Leptons in Hadronic Events at the Z^0 Resonance", [SLD Collab.], Phys. Rev. Lett. 74 (1995) 2895.
84. "Measurement of the Average B Hadron Lifetime in Z^0 Decays Using Reconstructed Vertices", [SLD Collab.], Phys. Rev. Lett. 75 (1995) 3624.
85. "First Measurement of the T Odd Correlation Between the Z^0 Spin and the Three Jet Plane Orientation in Polarized Z^0 Decays to Three Jets", [SLD Collab.], Phys. Rev. Lett. 75 (1995) 4173.

86. "Measurement of the Tau Lifetime at SLD", [SLD Collab.], Phys. Rev. D52 (1995) 4828.
87. "Measurements of R_b with Impact Parameters and Displaced Vertices", [SLD Collab.], Phys. Rev. D53 (1996) 1023.
88. "Comparison of a New Calculation of Energy-energy Correlations with $e^+e^- \rightarrow$ Hadrons Data at the Z^0 Resonance", [SLD Collab.], Phys. Rev. D52 (1995) 4240.
89. "Measurement of the Left-Right Forward-Backward Asymmetry for Charm Quarks with D^{*+} and D^+ Mesons", [SLD Collab.], Phys. Rev. Lett. 75 (1995) 3609.
90. "A Test of the Flavor Independence of Strong Interactions", [SLD Collab.], Phys. Rev. D53 (1996) 2271.
91. "Measurement of the Charged Multiplicities in b , c and Light Quark Events from Z^0 Decays", [SLD Collab.], Phys. Lett. B386 (1996) 475.
92. "Factorial and Cumulant Moments in $e^+e^- \rightarrow$ Hadrons at the Z^0 Resonance", [SLD Collab.], Phys. Lett B371 (1996) 149.
93. "First Study of Rapidity Gaps in e^+e^- Annihilation", [SLD Collab.], Phys. Rev. Lett. 76 (1996) 4886.
94. "First Measurement of the Left-Right Charge Asymmetry in Hadronic Z Boson Decays and a New Determination of $\sin^2 \theta_{\text{eff}}$ ", [SLD Collab.], Phys. Rev. Lett. 78 (1997) 17.
95. "An Improved Measurement of the Left-Right Z^0 Cross-Section Asymmetry", [SLD Collab.], Phys. Rev. Lett. 78 (1997) 2075.
96. "A Study of the Orientation and Energy Partition of Three Jet Events in Hadronic Z^0 Decays", [SLD Collab.], Phys. Rev. D55 (1997) 2533.
97. "Measurement of the B^+ and B^0 Lifetimes Using Topological Reconstruction of Inclusive and Semileptonic Decays", [SLD Collab.], Phys. Rev. Lett. 79 (1997) 590.
98. "Design and Performance of the SLD Vertex Detector, a 307 MPixel Tracking System, (subset of SLD Collab.), Nucl. Instrum. Meth. A400 (1997) 287.
99. "Measurement of the B Hadron Energy Distribution in Z^0 Decays", [SLD Collab.], Phys. Rev. D56 (1997) 5310.
100. "Direct Measurement of Leptonic Coupling Asymmetries with Polarized Zs", [SLD Collab.], Phys. Rev. Lett. 79 (1997) 804.
101. "Measurement of Leading Particle Effects in Decays of Z^0 Bosons into Light Flavors", [SLD Collab.], Phys. Rev. Lett. 78 (1997) 3442; Erratum-ibid. 79 (1997) 959.
102. "Measurement of the Tau Neutrino Helicity and the Michel Parameters in Polarized e^+e^- Collisions", [SLD Collab.], Phys. Rev. Lett. 78 (1997) 4691.
103. "Performance of the New Vertex Detector at SLD", N.B. Sinev *et al.*, IEEE Trans. Nucl. Sci. 44, (1997) 587.
104. "A Measurement of R_b Using a Vertex Mass Tag", [SLD Collab.], Phys. Rev. Lett. 80 (1998) 660.

105. “A Direct Measurement of Parity Violation in the Coupling of Z^0 Bosons to b quarks using a Mass Tag and Momentum Weighted Track Charge”, [SLD Collab.], Phys. Rev. Lett. 81 (1998) 942.
106. “Measurement of Electron Beam Polarization from the Energy Asymmetry of Compton Scattered Photons”, R. Field, R. Frey, M. Woods, A. Arodzero, and J. Zhou, IEEE Trans. Nucl. Sci. 45 (1998) 670.
107. “Initial Impact Parameter Resolution of the New SLD Vertex Detector”, N.B. Sinev *et al.*, Nucl. Instrum. Meth. A409 (1998) 243.
108. “An Improved Test of the Flavor Independence of Strong Interactions”, [SLD Collab.], Phys. Rev. D59 (1999) 012002.
109. “Production of π^+ , K^+ , K^0 , K^{*0} , ϕ , p and Λ^0 in Hadronic Z^0 Decays”, [SLD Collab.], Phys. Rev. D59 (1999) 052001.
110. “Direct Measurement of A_b in Z^0 Decays using Charged Kaon Tagging”, [SLD Collab.], Phys. Rev. Lett. 83 (1999) 1902.
111. “Evidence for Diffractive Charm Production in $\nu_\mu Fe$ and $\bar{\nu}_\mu Fe$ Scattering at the Tevatron”, [NuTeV Collab.], Phys. Rev. D61 (2000) 092001.
112. “Precision Calibration of the NuTeV Calorimeter”, [NuTeV Collab.], Nucl. Instrum. Meth. A447 (2000) 377.
113. “Search for a $33.9 \text{ MeV}/c^2$ Neutral Particle in Pion Decay”, [NuTeV Collab.], Phys. Rev. Lett. 84 (2000) 4043.
114. “Search for Charmless Hadronic Decays of B Mesons with the SLD Detector”, [SLD Collab.], Phys. Rev. D62 (2000) 071101.
115. “Precise Measurement of the b -quark Fragmentation Function in Z^0 Boson Decays”, [SLD Collab.], Phys. Rev. Lett. 84 (2000) 4300.
116. “A High-Precision Measurement of the Left-Right Z^0 Cross-Section Asymmetry”, [SLD Collab.], Phys. Rev. Lett. 84 (2000) 5945.
117. “First Direct Measurement of the Parity-Violating Coupling of the Z^0 to the s Quark”, [SLD Collab.], Phys. Rev. Lett. 85 (2000) 5059.
118. “An Improved Direct Measurement of Leptonic Coupling Asymmetries with Polarized Z Bosons”, [SLD Collab.], Phys. Rev. Lett. 86 (2000) 1162.
119. “Measurement of CP Violating Asymmetries in B^0 Decays to CP Eigenstates”, [BABAR Collab.], Phys. Rev. Lett. 86 (2001) 2515.
120. “Observation of CP Violation in the B^0 Meson System”, [BABAR Collab.], Phys. Rev. Lett. 87 (2001) 091801.
121. “Measurements of the branching fractions of exclusive charmless B meson decays with η' or ω mesons”, [BABAR Collab.], Phys. Rev. Lett. 87 (2001) 221802.

122. "Search for the decay $B^0 \rightarrow \gamma\gamma$," [BABAR Collab.], Phys. Rev. Lett. 87 (2001) 241803.
123. "Measurement of the $B \rightarrow J/\psi K^*(892)$ decay amplitudes," [BABAR Collab.], Phys. Rev. Lett. 87 (2001) 241801.
124. "Measurement of the B^0 and B^+ meson lifetimes with fully reconstructed hadronic final states," [BABAR Collab.], Phys. Rev. Lett. 87 (2001) 201803.
125. "Measurement of J/ψ production in continuum e^+e^- annihilations near $\sqrt{s} = 10.6$ GeV," [BABAR Collab.], Phys. Rev. Lett. 87 (2001) 162002.
126. "Measurement of branching fractions and search for CP-violating charge asymmetries in charmless two-body B decays into pions and kaons," [BABAR Collab.], Phys. Rev. Lett. 87 (2001) 151802.
127. "Measurement of the decays $B \rightarrow \phi K$ and $B \rightarrow \phi K^*$," [BABAR Collab.], Phys. Rev. Lett. 87 (2001) 151801.
128. "Measurement of CP violating asymmetries in B^0 decays to CP eigenstates," [BABAR Collab.], Phys. Rev. Lett. 86 (2001) 2515.
129. "Search for Light-to-heavy Quark Flavor Changing Neutral Currents in ν_μ N and $\bar{\nu}_\mu$ N Scattering at the Tevatron", [NuTeV Collab.], Phys. Rev. D63 (2001) 012001.
130. "Measurements of F_2 , xF_3^{ν} , $x\bar{F}_3^{\bar{\nu}}$ from CCFR ν_μ Fe and $\bar{\nu}_\mu$ Data in a Model Independent Way", [NuTeV Collab.], Phys. Rev. Lett. 86 (2001) 2742.
131. "A First Measurement of Low x Low Q^2 Structure Functions in Neutrino Scattering", [NuTeV Collab.], Phys. Rev. Lett. 86 (2001) 5430.
132. "Observation of Neutral Current Charm Production in ν_μ Fe Scattering at the Tevatron", [NuTeV Collab.], Phys. Rev. D64 (2001) 12002.
133. "Observation of an Anomalous Number of Dimuon Events in a High-Energy Neutrino Beam", [NuTeV Collab.], Phys. Rev. Lett. 87 (2001) 041801.
134. "Search for the Lepton Number Violating Process $\bar{\nu}_\mu e^- \rightarrow \mu^- \bar{\nu}_e$ ", [NuTeV Collab.], Phys. Rev. Lett. 87 (2001) 071803.
135. "Precise measurement of dimuon production cross-sections in nu/mu Fe and anti-nu/mu Fe deep inelastic scattering at the Tevatron," [NuTeV Collab.], Phys. Rev. D64 (2001) 112006.
136. "Extraction of $R = \sigma_L/\sigma_T$ from CCFR ν_μ Fe and $\bar{\nu}_\mu$ Fe differential cross sections," [NuTeV Collab.], Phys. Rev. Lett. 87 (2001) 251802.
137. "First Symmetry Tests in Polarized Z^0 Decays to $b\bar{b}g$ ", [SLD Collab.], Phys. Rev. Lett. 86 (2001) 962.
138. "Improved Measurement of the Probability for Gluon Splitting into $b\bar{b}$ in Z^0 Decays", [SLD Collab.], Phys. Lett. B507 (2001) 61.

139. "Measurement of A_c with Charmed Mesons at SLD", [SLD Collab.], Phys. Rev. D63 (2001) 032005.
140. "Measurement of branching fractions for exclusive B decays to charmonium final states," [BABAR Collab.], Phys. Rev. D65 (2002) 032001.
141. "Measurement of the branching fractions for $\psi(2S) \rightarrow e^+e^-$ and $\psi(2S) \rightarrow \mu^+\mu^-$," [BABAR Collab.], Phys. Rev. D65 (2002) 031101.
142. "Study of CP-violating asymmetries in $B^0 \rightarrow \pi^+\pi^-$, $K^+\pi^-$ decays," [BABAR Collab.], Phys. Rev. D65 (2002) 051502.
143. "Measurement of $B \rightarrow K^*\gamma$ branching fractions and charge asymmetries," [BABAR Collab.], Phys. Rev. Lett. 88 (2002) 101805.
144. "Direct CP violation searches in charmless hadronic B meson decays," [BABAR Collab.], Phys. Rev. D65 (2002) 051101.
145. "Measurement of $B^0-\bar{B}^0$ flavor oscillations in hadronic B^0 decays," [BABAR Collab.], Phys. Rev. Lett. 88 (2002) 221802.
146. "Measurement of the $B^0-\bar{B}^0$ oscillation frequency with inclusive dilepton events," [BABAR Collab.], Phys. Rev. Lett. 88 (2002) 221803.
147. "Search for the rare decays $B \rightarrow K\ell^+\ell^-$ and $B \rightarrow K^*\ell^+\ell^-$," [BABAR Collab.], Phys. Rev. Lett. 88 (2002) 241801.
148. "A study of time dependent CP-violating asymmetries and flavor oscillations in neutral B decays at the $\Upsilon(4S)$," [BABAR Collab.], Phys. Rev. D66 (2002) 032003.
149. "Measurement of D_s^+ and D_s^{*+} production in B meson decays and from continuum e^+e^- annihilation at $\sqrt{s} = 10.6$ GeV," [BABAR Collab.], Phys. Rev. D65 (2002) 091104.
150. "Measurement of the B^0 lifetime with partially reconstructed $B^0 \rightarrow D^{*-}\ell^+\nu_\ell$ decays," [BABAR Collab.], Phys. Rev. Lett. 89 (2002) 011802; Erratum-ibid. 89 (2002) 169903.
151. "Search for T and CP violation in $B^0-\bar{B}^0$ mixing with inclusive dilepton events," [BABAR Collab.], Phys. Rev. Lett. 88 (2002) 231801.
152. "Measurement of the branching fraction and CP content for the decay $B^0 \rightarrow D^{*+}D^{*-}$," [BABAR Collab.], Phys. Rev. Lett. 89 (2002) 061801.
153. "Study of $B^\pm \rightarrow J/\psi \pi^\pm$ and $B^\pm \rightarrow J/\psi K^\pm$ decays: Measurement of the ratio of branching fractions and search for direct CP-violating charge asymmetries," [BABAR Collab.], Phys. Rev. D65 (2002) 091101.
154. "A search for time-dependent $B_s^0-\bar{B}_s^0$ oscillations using exclusively reconstructed D_s^\pm mesons," [BABAR Collab.], Phys. Rev. D66 (2002) 032009.
155. "Measurement of the CP-violating asymmetry amplitude $\sin(2\beta)$," [BABAR Collab.], Phys. Rev. Lett. 89 (2002) 201802.

156. "Measurement of branching fractions and CP-violating asymmetries in $B^0 \rightarrow \pi^+\pi^-, K^+\pi^-, K^+K^-$ Decays," [BABAR Collab.], Phys. Rev. Lett. 89 (2002) 281802.
157. "A search for $\nu_\mu \rightarrow \nu_e$ and $\bar{\nu}_\mu \rightarrow \bar{\nu}_e$ oscillations at NuTeV," [NuTeV Collab.], Phys. Rev. Lett. 89 (2002) 011804.
158. "A precise determination of electroweak parameters in neutrino nucleon scattering," [NuTeV Collab.], Phys. Rev. Lett. 88 (2002) 091802.
159. "On the effect of asymmetric strange seas and isospin-violating parton distribution functions on $\sin^2\theta_W$ measured in the NuTeV experiment," [NuTeV Collab.], Phys. Rev. D65 (2002) 111103.
160. "Improved direct measurement of A_b and A_c at the Z^0 pole using a lepton tag," [SLD Collab.], Phys. Rev. Lett. 88 (2002) 151801.
161. "Measurement of the b-quark fragmentation function in Z^0 decays," [SLD Collab.], Phys. Rev. D65 (2002) 092006; Erratum-ibid. D66 (2002) 079905.
162. "Improved study of the structure of $e^+e^- \rightarrow bbg$ events and limits on the anomalous chromomagnetic coupling of the b quark," [SLD Collab.], Phys. Rev. D66 (2002) 052001.
163. "Mechanisms Affecting Performance Of The Babar Resistive Plate Chambers And Searches For Remediation," F. Anulli *et al.*, Nucl. Instrum. Meth. A **508**, 128 (2003).
164. "Evidence for the rare decay $B \rightarrow K^* l^+ l^-$ and measurement of the $B \rightarrow K l^+ l^-$ branching fraction," [BABAR Collab.], Phys. Rev. Lett. **91**, 221802 (2003).
165. "Observation of the decay $B^0 \rightarrow \pi^0 \pi^0$," [BABAR Collab.], Phys. Rev. Lett. **91**, 241801 (2003).
166. "Rates, polarizations, and asymmetries in charmless vector-vector B meson decays," [BABAR Collab.], Phys. Rev. Lett. **91**, 171802 (2003).
167. "Measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay $B^0 \rightarrow D^{*+} D^{*-}$," [BABAR Collab.], Phys. Rev. Lett. **91**, 131801 (2003).
168. "Measurements of branching fractions and CP-violating asymmetries in $B^0 \rightarrow \rho^+ \pi^-$ h.c. decays," [BABAR Collab.], Phys. Rev. Lett. **91**, 201802 (2003).
169. "Limits on D^0 anti- D^0 mixing and CP violation from the ratio of lifetimes for decay to $K^-\pi^+$, K^+K^- and $\pi^-\pi^+$," [BABAR Collab.], Phys. Rev. Lett. **91**, 121801 (2003).
170. "Measurement of the branching fractions for the exclusive decays of B^0 and B^+ to anti- $D^{(*)} D^{(*)} K$," [BABAR Collab.], Phys. Rev. D **68**, 092001 (2003).
171. "Observation of a narrow meson decaying to $D/s^+ \pi^0$ at a mass of $2.32\text{-GeV}/c^{*2}$," [BABAR Collab.], Phys. Rev. Lett. **90**, 242001 (2003).
172. "Rare B decays into states containing a J/psi meson and a meson with s anti-s quark content," [BABAR Collab.], Phys. Rev. Lett. **91**, 071801 (2003).

173. "Search for D^0 - anti- D^0 mixing and a measurement of the doubly Cabibbo-suppressed decay rate in $D^0 \rightarrow K \pi$ decays," [BABAR Collab.], Phys. Rev. Lett. **91**, 171801 (2003).
174. "Measurements of the branching fractions and charge asymmetries of charmless three-body charged B decays," [BABAR Collab.], Phys. Rev. Lett. **91**, 051801 (2003).
175. "Measurements of CP-violating asymmetries and branching fractions in B meson decays to eta' K," [BABAR Collab.], Phys. Rev. Lett. **91**, 161801 (2003).
176. "Evidence for $B^+ \rightarrow J/\psi p$ anti-Lambda and search for $B^0 \rightarrow J/\psi p$ anti-p," [BABAR Collab.], Phys. Rev. Lett. **90**, 231801 (2003).
177. "Observation of the decay $B^{+-} \rightarrow \pi^{+-} \pi^0$, study of $B^{+-} \rightarrow K^{+-} \pi^0$, and search for $B^0 \rightarrow \pi^0 \pi^0$," [BABAR Collab.], Phys. Rev. Lett. **91**, 021801 (2003).
178. "Study of time-dependent CP asymmetry in neutral B decays to $J/\psi \pi^0$," [BABAR Collab.], Phys. Rev. Lett. **91**, 061802 (2003).
179. "Measurement of the branching fraction and CP-violating asymmetries in neutral B decays to $D^{*+} D^-$," [BABAR Collab.], Phys. Rev. Lett. **90**, 221801 (2003).
180. "Measurement of $B^0 \rightarrow D/s^{(*)+} D^{*-}$ branching fractions and $B^0 \rightarrow D/s^{(*)+} D^{*-}$ polarization with a partial reconstruction technique," [BABAR Collab.], Phys. Rev. D **67**, 092003 (2003).
181. "Measurement of the CKM matrix element $|V_{ub}|$ with $B \rightarrow \rho e \nu$ decays," [BABAR Collab.], Phys. Rev. Lett. **90**, 181801 (2003).
182. "Simultaneous measurement of the B^0 meson lifetime and mixing frequency with $B^0 \rightarrow D^{*-} l^+ \nu/l$ decays. ((B)),," [BABAR Collab.], Phys. Rev. D **67**, 072002 (2003).
183. "Measurement of the B^0 meson lifetime with partial reconstruction of $B^0 \rightarrow D^{*-} \pi^+$ and $B^0 \rightarrow D^{*-} \rho^+$ decays," [BABAR Collab.], Phys. Rev. D **67**, 091101 (2003).
184. "A study of the rare decays $B^0 \rightarrow D/s^{(*)+} \pi^-$ and $B^0 \rightarrow D/s^{(*)-} K^+$," [BABAR Collab.], Phys. Rev. Lett. **90**, 181803 (2003).
185. "A measurement of the $B^0 \rightarrow J/\psi \pi^+ \pi^-$ branching fraction," [BABAR Collab.], Phys. Rev. Lett. **90**, 091801 (2003).
186. "Study of inclusive production of charmonium mesons in B decay," [BABAR Collab.], Phys. Rev. D **67**, 032002 (2003).
187. "Measurement of the branching fraction for inclusive semileptonic B meson decays," [BABAR Collab.], Phys. Rev. D **67**, 031101 (2003).
188. "Search for time-dependent B_s^0 anti- B_s^0 oscillations using a vertex charge dipole technique," [SLD Collab.], Phys. Rev. D **67**, 012006 (2003).
189. "Improved direct measurement of the parity-violation parameter A_b using a mass tag and momentum-weighted track charge," [SLD Collab.], Phys. Rev. Lett. **90**, 141804 (2003).

190. "Measurement of the branching fractions for inclusive B- and anti-B0 decays to flavor-tagged D, D/s and Lambda/c," [BABAR Collab.], Phys. Rev. D **70**, 091106 (2004).
191. "Search for D0 - anti-D0 mixing using semileptonic decay modes," [BABAR Collab.], Phys. Rev. D **70**, 091102 (2004).
192. "Study of $e^+ e^- \rightarrow \pi^+ \pi^- \pi^0$ process using initial state radiation with BaBar," [BABAR Collab.], Phys. Rev. D **70**, 072004 (2004).
193. "Measurement of neutral B decay branching fractions to K0(S) $\pi^+ \pi^-$ final states," [BABAR Collab.], Phys. Rev. D **70**, 091103 (2004).
194. "Study of $B \rightarrow D/sJ(*) + \text{anti-}D(*)$ decays," [BABAR Collab.], Phys. Rev. Lett. **93**, 181801 (2004).
195. "Search for flavor-changing neutral current and lepton flavor violating decays of $D_0 \rightarrow l^+ l^-$," [BABAR Collab.], Phys. Rev. Lett. **93**, 191801 (2004).
196. "Search for the decay $B_0 \rightarrow J/\psi \gamma$," [BABAR Collab.], Phys. Rev. D **70**, 091104 (2004).
197. "Measurement of the $B_0 \rightarrow \Phi K_0$ decay amplitudes," [BABAR Collab.], Phys. Rev. Lett. **93**, 231804 (2004).
198. "Observation of direct CP violation in $B_0 \rightarrow K^+ \pi^-$ decays," [BABAR Collab.], Phys. Rev. Lett. **93**, 131801 (2004).
199. "Search for B-meson decays to two-body final states with $a_0(980)$ mesons," [BABAR Collab.], Phys. Rev. D **70**, 111102 (2004).
200. "Measurement of branching fractions, and CP and isospin asymmetries, for $B \rightarrow K^* \gamma$," [BABAR Collab.], Phys. Rev. D **70**, 112006 (2004).
201. "Branching fractions and CP asymmetries in $B_0 \rightarrow K^+ K^- K_0(S)$ and $B^+ \rightarrow K^+ K_0(S) K_0(S)$," [BABAR Collab.], Phys. Rev. Lett. **93**, 181805 (2004).
202. "Measurement of time-dependent CP-violating asymmetries in $B_0 \rightarrow K^{*0} \gamma$ ($K^{*0} \rightarrow K_0(S) \pi^0$) decays," [BABAR Collab.], Phys. Rev. Lett. **93**, 201801 (2004).
203. "Search for B_0 decays to invisible final states and to $\nu \text{ anti-}\nu \gamma$," [BABAR Collab.], Phys. Rev. Lett. **93**, 091802 (2004).
204. "Study of the decay B_0 ($\text{anti-}B_0$) $\rightarrow \rho^+ \rho^-$, and constraints on the CKM angle α ," [BABAR Collab.], Phys. Rev. Lett. **93**, 231801 (2004).
205. "Determination of the branching fraction for $B \rightarrow X/c l \nu$ decays and of $|V(cb)|$ from hadronic mass and lepton energy moments," [BABAR Collab.], Phys. Rev. Lett. **93**, 011803 (2004).
206. "Measurement of the $B \rightarrow X/s l^+ l^-$ branching fraction with a sum over exclusive modes," [BABAR Collab.], Phys. Rev. Lett. **93**, 081802 (2004).
207. "Measurement of the ratio of decay amplitudes for $\text{anti-}B_0 \rightarrow J/\psi K^{*0}$ and $B_0 \rightarrow J/\psi K^{*0}$," [BABAR Collab.], Phys. Rev. Lett. **93**, 081801 (2004).

208. "Searches for B0 decays to combinations of charmless isoscalar mesons," [BABAR Collab.], Phys. Rev. Lett. **93**, 181806 (2004).
209. "Measurement of the direct CP asymmetry in $b \rightarrow s$ gamma decays," [BABAR Collab.], Phys. Rev. Lett. **93**, 021804 (2004).
210. "Measurements of moments of the hadronic mass distribution in semileptonic B decays," [BABAR Collab.], Phys. Rev. D **69**, 111103 (2004).
211. "Measurement of the electron energy spectrum and its moments in inclusive $B \rightarrow X e \nu$ decays," [BABAR Collab.], Phys. Rev. D **69**, 111104 (2004).
212. "Measurement of the time-dependent CP asymmetry in the $B_0 \rightarrow \Phi K_0$ decay," [BABAR Collab.], Phys. Rev. Lett. **93**, 071801 (2004).
213. "B meson decays to $\eta(\prime) K^*$, $\eta(\prime) \rho$, $\eta(\prime) \pi_0$, $\omega \pi_0$, and $\Phi \pi_0$," [BABAR Collab.], Phys. Rev. D **70**, 032006 (2004).
214. "Branching fraction measurements of $B \rightarrow \eta/c K$ decays," [BABAR Collab.], Phys. Rev. D **70**, 011101 (2004).
215. "Search for the decay $B_0 \rightarrow p \text{ anti-}p$," [BABAR Collab.], Phys. Rev. D **69**, 091503 (2004).
216. "Limits on the decay rate difference of neutral-B mesons and on CP, T, and CPT violation in B_0 anti- B_0 oscillations," [BABAR Collab.], Phys. Rev. D **70**, 012007 (2004).
217. "Measurements of CP violating asymmetries in $B_0 \rightarrow K(S)_0 \pi_0$ decays," [BABAR Collab.], Phys. Rev. Lett. **93**, 131805 (2004).
218. "Observation of the decay $B \rightarrow J/\psi \eta K$ and search for $X(3872) \rightarrow J/\psi \eta$," [BABAR Collab.], Phys. Rev. Lett. **93**, 041801 (2004).
219. "Search for $B^{+-} \rightarrow (K^- \pi^+)(D) K^{+-}$ and upper limit on the $b \rightarrow u$ amplitude in $B^{+-} \rightarrow D K^{+-}$," [BABAR Collab.], Phys. Rev. Lett. **93**, 131804 (2004).
220. "Study of $B^{+-} \rightarrow J/\psi \pi^{+-}$ and $B^{+-} \rightarrow J/\psi K^{+-}$ decays: Measurement of the ratio of branching fractions and search for direct CP violation," [BABAR Collab.], Phys. Rev. Lett. **92**, 241802 (2004).
221. "Measurement of the B^+/B_0 production ratio from the Upsilon(4S) meson using $B^+ \rightarrow J/\psi K^+$ and $B_0 \rightarrow J/\psi K_0(S)$ decays," [BABAR Collab.], Phys. Rev. D **69**, 071101 (2004).
222. "Study of high momentum η' production in $B \rightarrow \eta' X/s$," [BABAR Collab.], Phys. Rev. Lett. **93**, 061801 (2004).
223. "Search for the rare leptonic decay $B^+ \rightarrow \mu^+ \nu_\mu$," [BABAR Collab.], Phys. Rev. Lett. **92**, 221803 (2004) [Phys. Rev. Lett. **93**, 189902 (2004)].
224. "Search algorithm for a gravitational wave signal in association with gamma ray burst GRB030329 using the LIGO detectors," S. D. Mohanty *et al.*, Class. Quant. Grav. **21**, S1831 (2004)
225. "First upper limits from LIGO on gravitational wave bursts," (LIGO Scientific Collab.), Phys. Rev. D **69**, 102001 (2004).

226. “Gamma ray bursts and gravitational waves: Triggered search strategy in the LIGO science runs,” S. D. Mohanty *et al.*, *Class. Quant. Grav.* **21**, S765 (2004).
227. “Analysis of LIGO data for gravitational waves from binary neutron stars,” (LIGO Scientific Collab.), *Phys. Rev. D* **69**, 122001 (2004).
228. “Setting upper limits on the strength of periodic gravitational waves using the first science data from the GEO 600 and LIGO detectors,” (LIGO Scientific Collab.), *Phys. Rev. D* **69**, 082004 (2004).
229. “Analysis of LIGO data for stochastic gravitational waves,” (LIGO Scientific Collab.), *Phys. Rev. D* **69**, 122004 (2004).
230. “Detector description and performance for the first coincidence observations between LIGO and GEO,” (LIGO Scientific Collab.), *Nucl. Instrum. Meth. A* **517**, 154 (2004).
231. “Upper limits on the strength of periodic gravitational waves from PSR J1939+2134,” (LIGO Scientific Collab.), *Class. Quant. Grav.* **21**, S671 (2004).
232. “Search for the radiative penguin decays $B^+ \rightarrow \rho^+ \gamma$, $B^0 \rightarrow \rho^0 \gamma$, and $B^0 \rightarrow \omega \gamma$,” [BABAR Collab.], *Phys. Rev. Lett.* **94**, 011801 (2005).
233. “Limit on the $B^0 \rightarrow \rho^0 \rho^0$ branching fraction and implications for the CKM angle α ,” [BABAR Collab.], *Phys. Rev. Lett.* **94**, 131801 (2005).
234. “Measurement of branching fractions and charge asymmetries for exclusive B decays to charmonium,” [BABAR Collab.], *Phys. Rev. Lett.* **94**, 141801 (2005).
235. “Search for a charged partner of the X(3872) in the B meson decay $B \rightarrow X^- K$, $X^- \rightarrow J/\psi \pi^- \pi^0$,” [BABAR Collab.], *Phys. Rev. D* **71**, 031501 (2005).
236. “Branching fractions and CP asymmetries in $B^0 \rightarrow \pi^0 \pi^0$, $B^+ \rightarrow \pi^+ \pi^0$ and $B^+ \rightarrow K^+ \pi^0$ decays and isospin analysis of the $B \rightarrow \pi \pi$ system,” [BABAR Collab.], *Phys. Rev. Lett.* **94**, 181802 (2005).
237. “Measurement of the ratio $B(B^- \rightarrow D^{*0} K^-)/B(B^- \rightarrow D^{*0} \pi^-)$ and of the CP asymmetry of $B^- \rightarrow D^{*0}(\text{CP}^+) K^-$ decays,” [BABAR Collab.], *Phys. Rev. D* **71**, 031102 (2005).
238. “A search for the decay $B^+ \rightarrow K^+ \nu \text{ anti-}\nu$,” [BABAR Collab.], *Phys. Rev. Lett.* **94**, 101801 (2005).
239. “Measurements of B meson decays to ωK^* and $\omega \rho$,” [BABAR Collab.], *Phys. Rev. D* **71**, 031103 (2005).
240. “Ambiguity-free measurement of $\cos(2\beta)$: Time-integrated and time-dependent angular analyses of $B \rightarrow J/\psi K \pi$,” [BABAR Collab.], *Phys. Rev. D* **71**, 032005 (2005).
241. “Improved measurement of CP asymmetries in $B^0 \rightarrow (c \text{ anti-}c) K^{(*)0}$ decays,” [BABAR Collab.], *Phys. Rev. Lett.* **94**, 161803 (2005).
242. “Search for the radiative penguin decays $B^+ \rightarrow \rho^+ \gamma$, $B^0 \rightarrow \rho^0 \gamma$, and $B^0 \rightarrow \omega \gamma$,” [BABAR Collab.], *Phys. Rev. Lett.* **94**, 011801 (2005).

243. "Search for the rare leptonic decay $B^- \rightarrow \tau^- \bar{\nu}_\tau/\tau^-$," [BABAR Collab.], Phys. Rev. Lett. **95**, 041804 (2005).
244. "Measurements of the branching fraction and CP-violation asymmetries in $B^0 \rightarrow f_0(980) K^0(S)$," [BABAR Collab.], Phys. Rev. Lett. **94**, 041802 (2005).
245. "Study of the $B \rightarrow J/\psi K^- \pi^+ \pi^-$ decay and measurement of the $B \rightarrow X(3872) K^-$ branching fraction," [BABAR Collab.], Phys. Rev. D **71**, 071103 (2005).
246. "A measurement of the total width, the electronic width, and the mass of the Upsilon(10580) resonance," [BABAR Collab.], Phys. Rev. D **72**, 032005 (2005).
247. "Search for decays of $B^0 \rightarrow e^+ e^-$, $B^0 \rightarrow \mu^+ \mu^-$, $B^0 \rightarrow e^+ \mu^-$," [BABAR Collab.], Phys. Rev. Lett. **94**, 221803 (2005).
248. "Measurement of the $B^+ \rightarrow p \bar{p} K^+$ branching fraction and study of the Phys. Rev. D **72**, 051101 (2005)
249. "Measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay $B^0 \rightarrow D^{*+} D^{*-}$," [BABAR Collab.], Phys. Rev. Lett. **95**, 151804 (2005)
250. "Observation of a broad structure in the $\pi^+ \pi^- J/\psi$ mass spectrum around $4.26\text{-GeV}/c^{*2}$," [BABAR Collab.], Phys. Rev. Lett. **95**, 142001 (2005).
251. "Measurement of double charmonium production in $e^+ e^-$ annihilations at $s^{(1/2)} = 10.6$ GeV," [BABAR Collab.], Phys. Rev. D **72**, 031101 (2005).
252. "Determination of $|V(ub)|$ from measurements of the electron and neutrino momenta in inclusive semileptonic B decays," [BABAR Collab.], Phys. Rev. Lett. **95**, 111801 (2005).
253. "Search for $b \rightarrow u$ transitions in $B^- \rightarrow D^0 K^-$ and $B^- \rightarrow D^{*0} K^-$," [BABAR Collab.], Phys. Rev. D **72**, 032004 (2005).
254. "Production and decay of Ξ/c^0 at BABAR," [BABAR Collab.], Phys. Rev. Lett. **95**, 142003 (2005).
255. "Measurement of the branching fraction of $\text{Upsilon}(4S) \rightarrow B^0 \bar{B}^0$," [BABAR Collab.], Phys. Rev. Lett. **95**, 042001 (2005).
256. "Improved measurement of the CKM angle α using B^0 (\bar{B}^0) $\rightarrow \rho^+ \rho^-$ decays," [BABAR Collab.], Phys. Rev. Lett. **95**, 041805 (2005).
257. "Search for $B \rightarrow J/\psi D$ decays," [BABAR Collab.], Phys. Rev. D **71**, 091103 (2005).
258. "Measurement of the branching fraction and the CP-violating asymmetry for the decay $B^0 \rightarrow K^0(S) \pi^0$," [BABAR Collab.], Phys. Rev. D **71**, 111102 (2005).
259. "Measurement of the $B^0 \rightarrow D^{*-} D/s^{*+}$ and $D/s^+ \rightarrow \Phi \pi^+$ branching fractions," [BABAR Collab.], Phys. Rev. D **71**, 091104 (2005).
260. "Search for lepton flavor violation in the decay $\tau \rightarrow \mu \gamma$," [BABAR Collab.], Phys. Rev. Lett. **95**, 041802 (2005).

261. “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 - 4.5-GeV measured with initial-state radiation,” [BABAR Collab.], Phys. Rev. D **71**, 052001 (2005).
262. “Measurement of CP asymmetries in $B^0 \rightarrow \Phi K^0$ and $B^0 \rightarrow K^+ K^- K^0(S)$ decays,” [BABAR Collab.], Phys. Rev. D **71**, 091102 (2005).
263. “Measurements of branching fractions and time-dependent CP-violating asymmetries in $B \rightarrow \eta' K$ decays,” [BABAR Collab.], Phys. Rev. Lett. **94**, 191802 (2005).
264. “Search for strange-pentaquark production in $e^+ e^-$ annihilation at $s^{(1/2)} = 10.58$ GeV,” [BABAR Collab.], Phys. Rev. Lett. **95**, 042002 (2005).
265. “A search for CP violation and a measurement of the relative branching fraction in $D^+ \rightarrow K^- K^+ \pi^+$ decays,” [BABAR Collab.], Phys. Rev. D **71**, 091101 (2005).
266. “Improved measurements of CP-violating asymmetry amplitudes in $B^0 \rightarrow \pi^+ \pi^-$ decays,” [BABAR Collab.], Phys. Rev. Lett. **95**, 151803 (2005).
267. “Search for factorization-suppressed $B \rightarrow \chi/c K^*$ decays,” [BABAR Collab.], Phys. Rev. Lett. **94**, 171801 (2005).
268. “Search for the radiative decay $B \rightarrow \Phi \gamma$ ” [BABAR Collab.], Phys. Rev. D **72**, 091103 (2005).
269. “Search for the W-exchange decays $B^0 \rightarrow D/s^{(*)-} D/s^{(*)+}$ ” [BABAR Collab.], Phys. Rev. D **72**, 111101 (2005).
270. “Measurements of the $B \rightarrow X/s \gamma$ branching fraction and photon spectrum from a sum of exclusive final states” [BABAR Collab.], Phys. Rev. D **72**, 052004 (2005).
271. “A study of $b \rightarrow c$ and $b \rightarrow u$ interference in the decay $B^- \rightarrow (K^+ \pi^-) D K^{*-}$ ” [BABAR Collab.], Phys. Rev. D **72**, 071104 (2005).
272. “Measurement of the time-dependent CP-violating asymmetry in $B^0 \rightarrow K^0(S) \pi^0 \gamma$ decays” [BABAR Collab.], Phys. Rev. D **72**, 051103 (2005).
273. “Measurement of the branching ratios $\Gamma(D/s^{*+} \rightarrow D/s^+ \pi^0)/\Gamma(D/s^{*+} \rightarrow D/s^+ \gamma)$ and $\Gamma(D^{*0} \rightarrow D^0 \pi^0)/\Gamma(D^{*0} \rightarrow D^0 \gamma)$ ” [BABAR Collab.], Phys. Rev. D **72**, 091101 (2005).
274. “Dalitz plot analysis of $D^0 \rightarrow \text{anti-}K^0 K^+ K^-$ ” [BABAR Collab.], Phys. Rev. D **72**, 052008 (2005).
275. “An amplitude analysis of the decay $B^{+-} \rightarrow \pi^+ \pi^- \pi^+$ ” [BABAR Collab.], Phys. Rev. D **72**, 052002 (2005).
276. “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 $B^+ \rightarrow K^0 \pi^+$ ” [BABAR Collab.], Phys. Rev. Lett. **95**, 221801 (2005).
277. “A precision measurement of the Λ/c^+ baryon mass” [BABAR Collab.], Phys. Rev. D **72**, 052006 (2005).

278. “Dalitz-plot analysis of the decays $B^{+-} \rightarrow K^{+-} \pi^+ \pi^+$ ” [BABAR Collab.], Phys. Rev. D **72**, 072003 (2005).
279. “Study of $B \rightarrow \pi l \nu$ and $B \rightarrow \rho l \nu$ decays and determination of $|V(ub)|$ ” [BABAR Collab.], Phys. Rev. D **72**, 051102 (2005).
280. “Measurement of CP observables for the decays $B^{+-} \rightarrow D^0(\text{CP}) K^{*+-}$ ” [BABAR Collab.], Phys. Rev. D **72**, 071103 (2005).
281. “Search for the rare decay $\text{anti-}B^0 \rightarrow D^{*0} \gamma$ ” [BABAR Collab.], Phys. Rev. D **72**, 051106 (2005).
282. “Search for lepton-flavor and lepton-number violation in the decay $\tau \rightarrow l^+ h^+ h'^-$ ” [BABAR Collab.], Phys. Rev. Lett. **95**, 191801 (2005).
283. “Search for the decay $\tau^- \rightarrow 4\pi^- 3\pi^+ (\pi^0) \nu/\tau$ ” [BABAR Collab.], Phys. Rev. D **72**, 012003 (2005).
284. “Search for the rare decays $B^+ \rightarrow D^{(*)+} K^0(S)$ ” [BABAR Collab.], Phys. Rev. D **72**, 011102 (2005).
285. “Measurement of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)+} D^-$ decays” [BABAR Collab.], Phys. Rev. Lett. **95**, 131802 (2005).
286. “Measurement of the branching fraction and decay rate asymmetry of $B^- \rightarrow D (\pi^+ \pi^- \pi^0) K^-$ ” [BABAR Collab.], Phys. Rev. D **72**, 071102 (2005).
287. “Study of the $\tau^- \rightarrow 3h^- 2h^+ \nu/\tau$ decay” [BABAR Collab.], Phys. Rev. D **72**, 072001 (2005).
288. “Measurement of γ in $B^+ \rightarrow D^{(*)} K^+ \pi^+$ decays with a Dalitz analysis of $D \rightarrow K^0(S) \pi^- \pi^+$ ” [BABAR Collab.], Phys. Rev. Lett. **95**, 121802 (2005).
289. “Measurement of time-dependent CP-violating asymmetries and constraints on $\sin(2\beta+\gamma)$ with partial reconstruction of $B \rightarrow D^{*-+} \pi^+ \pi^-$ decays” [BABAR Collab.], Phys. Rev. D **71**, 112003 (2005).
290. “Evidence for the decay $B^{+-} \rightarrow K^{*+-} \pi^0$ ” [BABAR Collab.], Phys. Rev. D **71**, 111101 (2005).
291. “Measurement of branching fractions and charge asymmetries in B^+ decays to $\eta \pi^+$, ηK^+ , $\eta \rho^+$ and $\eta' \pi^+$, and search for B^0 decays to ηK^0 and $\eta \omega$ ” [BABAR Collab.], Phys. Rev. Lett. **95**, 131803 (2005).
292. “Branching fraction and CP asymmetries of $B^0 \rightarrow K^0(S) K^0(S) K^0(S)$ ” [BABAR Collab.], Phys. Rev. Lett. **95**, 011801 (2005).
293. “NuTeV structure function measurement” [NuTeV Collab.], Int. J. Mod. Phys. A **20**, 3759 (2005).
294. “Fine grained silicon-tungsten calorimetry for a linear collider detector”, D. Strom *et al.*, IEEE Trans. Nucl. Sci. **52**, 868 (2005).

295. “Direct measurements of $A(b)$ and $A(c)$ using vertex/kaon charge tags at SLD,” [SLD Collab.], Phys. Rev. Lett. **94**, 091801 (2005)
296. “Measurement of the branching ratio of the Z^0 into heavy quarks,” [SLD Collab.], Phys. Rev. D **71**, 112004 (2005).
297. “A Search for Gravitational Waves Associated with the Gamma Ray Burst GRB030329 using the LIGO Detectors,” [LIGO Scientific Collab.], Phys. Rev. D **72**, 042002 (2005).
298. “Upper limits on Gravitational Wave Bursts in LIGO’s Second Science Run,” [LIGO Scientific Collab.], Phys. Rev. D **72**, 062001 (2005).
299. “Limits on Gravitational-Wave Emission from Selected Pulsars,” [LIGO Scientific Collab.], Phys. Rev. Lett. **94**, 181103 (2005).
300. “Upper Limits on a Stochastic Background of Gravitational Waves” [LIGO Scientific Collab.], Phys. Rev. Lett. **95**, 221101 (2005).
301. “First all-sky upper limits from LIGO on the strength of periodic gravitational waves using the Hough transform” [LIGO Scientific Collab.], Phys. Rev. D **72**, 102004 (2005).
302. “Search for gravitational waves from primordial black hole binary coalescences in the galactic halo” [LIGO Scientific Collab.], Phys. Rev. D **72**, 082002 (2005).
303. “Upper Limits from the LIGO and TAMA Detectors on the Rate of Gravitational-Wave Bursts” [LIGO Scientific Collab.], Phys. Rev. D **72**, 122004 (2005).
304. “Search for gravitational waves from galactic and extra-galactic binary neutron stars” [LIGO Scientific Collab.], Phys. Rev. D **72**, 082001 (2005).
305. “Study of $J/\psi \pi^+ \pi^-$ states produced in $B^0 \rightarrow J/\psi \pi^+ \pi^- K^0$ and $B^- \rightarrow J/\psi \pi^+ \pi^- K^-$ ” [BABAR Collab.] Phys. Rev. D **73**, 011101 (2006).
306. “Search for rare quark-annihilation decays, $B^- \rightarrow D/s^{(*)-} \Phi$ ” [BABAR Collab.] Phys. Rev. D **73**, 011103 (2006).
307. “A study of $e^+ e^- \rightarrow p \bar{p}$ using initial state radiation with BABAR” [BABAR Collab.], Phys. Rev. D **73**, 012005 (2006).
308. “Measurement of the inclusive electron spectrum in charmless semileptonic B decays near the kinematic endpoint and determination of $|V(ub)|$ ” [BABAR Collab.] Phys. Rev. D **73**, 012006 (2006).
309. “Measurement of branching fractions and resonance contributions for $B^0 \rightarrow \bar{D}^0 K^+ \pi^-$ and search for $B^0 \rightarrow D^0 K^+ \pi^-$ decays” [BABAR Collab.] Phys. Rev. Lett. **96**, 011803 (2006).
310. “Search for lepton flavor violation in the decay $\tau^{+-} \rightarrow e^{+-} \gamma$ ” [BABAR Collab.] Phys. Rev. Lett. **96**, 041801 (2006).
311. “Measurement of the anti- B^0 lifetime and the B^0 anti- B^0 oscillation frequency using partially reconstructed $\bar{B}^0 \rightarrow D^{*+} l^- \bar{\nu}_l$ decays” [BABAR Collab.] Phys. Rev. D **73**, 012004 (2006).

312. “Observation of the exclusive reaction $e^+ e^- \rightarrow \Phi \eta$ at $\sqrt{s} = 10.58$ GeV” [BABAR Collab.] Phys. Rev. D **74**, 111103 (2006).
313. “A structure at 2175-MeV in $e^+ e^- \rightarrow \Phi f_0(980)$ observed via initial-state radiation” BaBar Collab.) Phys. Rev. D **74**, 091103 (2006).
314. Measurement of the absolute branching fractions $B \rightarrow D \pi$, $D^* \pi$, $D^{**} \pi$ with a missing mass method” [BABAR Collab.] Phys. Rev. D **74**, 111102 (2006).
315. “Observation of $B^+ \rightarrow \Phi \Phi K^+$ and evidence for $B^0 \rightarrow \Phi \Phi K^0$ below η/c threshold” [BABAR Collab.] Phys. Rev. Lett. **97**, 261803 (2006).
316. “Observation of an excited charm baryon Ω_{c^*} decaying to $\Omega_c \gamma$ ” [BABAR Collab.] Phys. Rev. Lett. **97**, 232001 (2006).
317. “Observation of $B^+ \rightarrow \text{anti-}K^0 K^+$ and $B^0 \rightarrow K^0 \text{anti-}K^0$ ” [BABAR Collab.] Phys. Rev. Lett. **97**, 171805 (2006).
318. “Measurement of the branching fraction and time-dependent CP asymmetry in the decay $B^0 \rightarrow D^{*+} D^{*-} K^0(S)$ ” [BABAR Collab.] Phys. Rev. D **74**, 091101 (2006).
319. “Precise branching ratio measurements of the decays $D^0 \rightarrow \pi^- \pi^+ \pi^0$ and $D^0 \rightarrow K^- K^+ \pi^0$ ” [BABAR Collab.] Phys. Rev. D **74**, 091102 (2006).
320. “Search for D^0 anti- D^0 mixing and branching-ratio measurement in the decay $D^0 \rightarrow K^+ \pi^- \pi^0$ ” [BABAR Collab.] Phys. Rev. Lett. **97**, 221803 (2006).
321. “Measurement of branching fractions and charge asymmetries in B decays to an eta meson and a K^* meson” [BABAR Collab.] Phys. Rev. Lett. **97**, 201802 (2006).
322. “Branching fraction measurements of charged B decays to $K^{*+} K^+ K^-$, $K^{*+} \pi^+ K^-$, $K^{*+} K^+ \pi^-$ and $K^{*+} \pi^+ \pi^-$ final states” [BABAR Collab.] Phys. Rev. D **74**, 051104 (2006).
323. “Measurement of the ratio $B(B^+ \rightarrow X e \nu)/B(B^0 \rightarrow X e \nu)$ ” [BABAR Collab.] Phys. Rev. D **74**, 091105 (2006).
324. “Measurements of branching fraction, polarization, and charge asymmetry of $B^{+-} \rightarrow \rho^{+-} \rho^0$ and a search for $B^{+-} \rightarrow \rho^{+-} f_0(980)$ ” [BABAR Collab.] Phys. Rev. Lett. **97**, 261801 (2006).
325. “Measurement of the $B \rightarrow \pi l \nu$ branching fraction and determination of $|V_{ub}|$ with tagged B mesons” [BABAR Collab.] Phys. Rev. Lett. **97**, 211801 (2006).
326. “Measurement of the branching fraction and photon energy moments of $B \rightarrow X/s \gamma$ and $A(\text{CP})(B \rightarrow X(s+d) \gamma)$ ” [BABAR Collab.] Phys. Rev. Lett. **97**, 171803 (2006).
327. “Searches for B^0 decays to ηK^0 , $\eta \eta$, $\eta' \eta'$, $\eta \Phi$, and $\eta' \Phi$ ” [BABAR Collab.] Phys. Rev. D **74**, 051106 (2006).
328. “Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow \rho K^*$ and $B \rightarrow f_0(980) K^*$ decays” [BABAR Collab.] Phys. Rev. Lett. **97**, 201801 (2006).

329. “Search for $B^+ \rightarrow X(3872) K^+$, $X(3872) \rightarrow J/\psi \gamma$ ” [BABAR Collab.] Phys. Rev. D **74**, 071101 (2006).
330. “Measurements of the decays $B^0 \rightarrow \text{anti-}D^0 p \text{ anti-}p$, $B^0 \rightarrow \text{anti-}D^{*0} p \text{ anti-}p$, $B^0 \rightarrow D^- p \text{ anti-}p \pi^+$, and $B^0 \rightarrow D^{*-} p \text{ anti-}p \pi^+$ ” [BABAR Collab.] Phys. Rev. D **74**, 051101 (2006).
331. “Observation of $e^+ e^-$ annihilations into the $C = +1$ hadronic final states $\rho^0 \rho^0$ and $\Phi \rho^0$ ” [BABAR Collab.] Phys. Rev. Lett. **97**, 112002 (2006).
332. “Search for the decay of a B^0 or anti- B^0 meson to anti- $K^{*0} K^0$ or $K^{*0} \text{ anti-}K^0$ ” [BABAR Collab.] Phys. Rev. D **74**, 072008 (2006).
333. “Measurement of the spin of the Omega- hyperon at BABAR” [BABAR Collab.] Phys. Rev. Lett. **97**, 112001 (2006).
334. “Search for the decay $B^0 \rightarrow K^0(S) K^0(S) K^0(L)$ ” [BABAR Collab.] Phys. Rev. D **74**, 032005 (2006).
335. “Search for doubly charmed baryons Ξ_{cc}^+ and Ξ_{cc}^{++} in BABAR” [BABAR Collab.] Phys. Rev. D **74**, 011103 (2006).
336. “Measurement of the $D^+ \rightarrow \pi^+ \pi^0$ and $D^+ \rightarrow K^+ \pi^0$ branching fractions” [BABAR Collab.] Phys. Rev. D **74**, 011107 (2006).
337. “Search for $B^+ \rightarrow \Phi \pi^+$ and $B^0 \rightarrow \Phi \pi^0$ decays” [BABAR Collab.] Phys. Rev. D **74**, 011102 (2006).
338. “Study of $B \rightarrow D^{(*)} D/s(J)^{(*)}$ decays and measurement of D/s^- and $D/sJ(2460)^-$ branching fractions” [BABAR Collab.] Phys. Rev. D **74**, 031103 (2006).
339. “Search for the decay $B^0 \rightarrow a_1^{+-} \rho^+$ ” [BABAR Collab.] Phys. Rev. D **74**, 031104 (2006).
340. “Measurement of the eta and eta’ transition form factors at $q^2 = 112 \text{ GeV}^{*2}$ ” [BABAR Collab.] Phys. Rev. D **74**, 012002 (2006).
341. “B meson decays to omega K^* , omega rho, omega omega, omega Phi, and omega f_0 ” [BABAR Collab.] Phys. Rev. D **74**, 051102 (2006).
342. “Search for B meson decays to eta’ eta’ K^+ ” [BABAR Collab.] Phys. Rev. D **74**, 031105 (2006).
343. “Dalitz plot analysis of the decay $B^\pm \rightarrow K^\pm K^\pm K^\mp$ ” [BABAR Collab.] Phys. Rev. D **74**, 032003 (2006).
344. “Measurement of branching fractions and CP-violating charge asymmetries for B meson decays to $D^{(*)} \text{ anti-}D^{(*)}$, and implications for the CKM angle gamma” [BABAR Collab.] Phys. Rev. D **73**, 112004 (2006).
345. “Observation of Upsilon(4S) decays to $\pi^+ \pi^- \text{ Upsilon}(1S)$ and $\pi^+ \pi^- \text{ Upsilon}(2S)$ ” [BABAR Collab.] Phys. Rev. Lett. **96**, 232001 (2006).
346. “A study of the $D_s J^*(2317)^+$ and $D_s J(2460)^+$ mesons in inclusive c anti-c production near $\sqrt{s} = 10.6 \text{ GeV}$ ” [BABAR Collab.] Phys. Rev. D **74**, 032007 (2006).
347. “Measurement of the $B^- \rightarrow D^0 K^{*-}$ branching fraction” [BABAR Collab.] Phys. Rev. D **73**, 111104 (2006).

348. “Measurement of $\bar{B}^0 \rightarrow D^{*0}\bar{K}^{*0}$ branching fractions” [BABAR Collab.] Phys. Rev. D **74**, 031101 (2006).
349. “Search for the decay $\tau^- \rightarrow 3\pi^- 2\pi^+ 2\pi^0 \nu_\tau$ ” [BABAR Collab.] Phys. Rev. D **73**, 112003 (2006).
350. “Study of the decay $\bar{B}^0 \rightarrow D^{*+}\omega\pi^-$ ” [BABAR Collab.] Phys. Rev. D **74**, 012001 (2006).
351. “Measurements of branching fractions, rate asymmetries, and angular distributions in the rare decays $B \rightarrow Kl^+l^-$ and $B \rightarrow K^*l^+l^-$ ” [BABAR Collab.] Phys. Rev. D **73**, 092001 (2006).
352. “Search for the charmed pentaquark candidate $\Theta_c(3100)^0$ in e^+e^- annihilations at $\sqrt{s} = 10.58$ GeV” [BABAR Collab.] Phys. Rev. D **73**, 091101 (2006).
353. “Measurement of branching fractions in radiative B decays to eta K gamma and search for B decays to eta' K gamma” [BABAR Collab.] Phys. Rev. D **74**, 031102 (2006).
354. “Search for T, CP and CPT violation in B0 anti-B0 mixing with inclusive dilepton events” [BABAR Collab.] Phys. Rev. Lett. **96**, 251802 (2006).
355. “Observation of B0 meson decay to $a_1(1260)^\pm\pi^\mp$ ” [BABAR Collab.] Phys. Rev. Lett. **97**, 051802 (2006).
356. “Measurements of CP-violating asymmetries and branching fractions in B decays to omega K and omega pi” [BABAR Collab.] Phys. Rev. D **74**, 011106 (2006).
357. “Branching fraction limits for B0 decays to $\eta'\eta$, $\eta'\pi^0$ and $\eta\pi^0$ ” [BABAR Collab.] Phys. Rev. D **73**, 071102 (2006).
358. “Measurements of the branching fraction and time-dependent CP asymmetries of $B^0 \rightarrow J/\psi\pi^0$ decays” [BABAR Collab.] Phys. Rev. D **74**, 011101 (2006).
359. “Measurement of time-dependent CP asymmetries in $B^0 \rightarrow D^{*\pm}\pi^\mp$ and $B^0 \rightarrow D^\pm\rho^\mp$ decays” [BABAR Collab.] Phys. Rev. D **73**, 111101 (2006).
360. “Measurements of the B \rightarrow D* form factors using the decay anti-B0 \rightarrow D*+ e- anti-nu/e” [BABAR Collab.] Phys. Rev. D **74**, 092004 (2006).
361. “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” [BABAR Collab.] Phys. Rev. D **73**, 052003 (2006).
362. “Determinations of $-V(ub)$ from inclusive semileptonic B decays with reduced model dependence” [BABAR Collab.] Phys. Rev. Lett. **96**, 221801 (2006).
363. “Measurements of the branching fractions and CP-asymmetries of B- \rightarrow D0(CP) K- decays” [BABAR Collab.] Phys. Rev. D **73**, 051105 (2006).
364. “Search for the rare decays $B^0 \rightarrow D_s^{*+}a_0^-$ ” [BABAR Collab.] Phys. Rev. D **73**, 071103 (2006).
365. “A search for the rare decay $B^0 \rightarrow \tau^+\tau^-$ at BABAR” [BABAR Collab.] Phys. Rev. Lett. **96**, 241802 (2006).

366. “Measurements of the absolute branching fractions of $B^{+-} \rightarrow K^{+-} X/(c \text{ anti-}c)$ ” [BABAR Collab.] Phys. Rev. Lett. **96**, 052002 (2006).
367. “Measurements of neutral B decay branching fractions to $K_S^0 \pi^+ \pi^-$ final states and the charge asymmetry of $B^0 \rightarrow K^{*+} \pi^-$ ” [BABAR Collab.] Phys. Rev. D **73**, 031101 (2006).
368. “A search for the decay $B^+ \rightarrow \tau^+ \nu_\tau$ ” [BABAR Collab.] Phys. Rev. D **73**, 057101 (2006).
369. “Joint LIGO and TAMA300 search for gravitational waves from inspiralling neutron star binaries” [LIGO Scientific Collab.] Phys. Rev. D **73**, 102002 (2006).
370. “Search for gravitational wave bursts in LIGO’s third science run” [LIGO Scientific Collab.] Class. Quant. Grav. **23**, S29 (2006).
371. “Search for gravitational waves from binary black hole inspirals in LIGO data” [LIGO Scientific Collab.] Phys. Rev. D **73**, 062001 (2006).
372. “Precise measurement of neutrino and anti-neutrino differential cross sections” M. Tzanov *et al.* (NuTeV Collaboration) Phys. Rev. D **74**, 012008 (2006).
373. “Measurements of Λ_c^+ branching fractions of Cabibbo-suppressed decay modes involving Λ and Σ^0 ” [BABAR Collab.] Phys. Rev. D **75**, 052002 (2007).
374. “Observation of a charmed baryon decaying to $D^0 p$ at a mass near $2.94 \text{ GeV}/c^2$ ” [BABAR Collab.] Phys. Rev. Lett. **98**, 012001 (2007).
375. “Observation of decays $B^0 \rightarrow D_s^{*+} \pi^-$ and $B^0 \rightarrow D_s^{*-} K^+$ ” [BABAR Collab.] Phys. Rev. Lett. **98**, 081801 (2007).
376. “Search for the reactions $e^+ e^- \rightarrow \mu^+ \tau^-$ and $e^+ e^- \rightarrow e^+ \tau^-$ ” [BABAR Collab.] Phys. Rev. D **75**, 031103 (2007).
377. “Evidence for the $B^0 \rightarrow \rho^0 \rho^0$ decay and implications for the CKM angle α ” [BABAR Collab.] Phys. Rev. Lett. **98**, 111801 (2007).
378. “Observation of $B \rightarrow \eta' K^*$ and evidence for $B^+ \rightarrow \eta' \rho^+$ ” [BABAR Collab.] Phys. Rev. Lett. **98**, 051802 (2007).
379. “Improved measurements of the branching fractions for $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow K^+ \pi^-$, and a search for $B^0 \rightarrow K^+ K^-$ ” [BABAR Collab.] Phys. Rev. D **75**, 012008 (2007).
380. “Measurement of the CP asymmetry and branching fraction of $B^0 \rightarrow \rho^0 K^0$ ” [BABAR Collab.] Phys. Rev. Lett. **98**, 051803 (2007).
381. “Inclusive Λ_c production in $e^+ e^-$ annihilations at $\sqrt{s} = 10.54 \text{ GeV}$ and in Upsilon(4S) decays” [BABAR Collab.] Phys. Rev. D **75**, 012003 (2007).
382. “Observation of CP violation in $B^0 \rightarrow \eta' K^0$ decays” [BABAR Collab.] Phys. Rev. Lett. **98**, 031801 (2007).
383. “Vector - tensor and vector - vector decay amplitude analysis of $B^0 \rightarrow \Phi K^{*0}$ ” [BABAR Collab.] Phys. Rev. Lett. **98**, 051801 (2007).

384. “Measurement of B decays to Phi K gamma” (BaBar Collaboration) Phys. Rev. D **75**, 051102 (2007).
385. “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” [BABAR Collab.] Phys. Rev. Lett. **98**, 091801 (2007).
386. “Study of inclusive B- and anti-B0 decays to flavor-tagged D, D_s and Λ_c^+ ”, [BABAR Collab.], Phys. Rev. D **75**, 072002 (2007).
387. “Measurement of the q^2 dependence of the hadronic form factor in $D0 \rightarrow K^- e^+ \nu_e$ decays,” [BABAR Collab.], Phys. Rev. D **76**, 052005 (2007).
388. “Study of the exclusive initial-state radiation production of the D anti-D system,” [BABAR Collab.], Phys. Rev. D **76**, 111105 (2007).
389. “Measurement of the pseudoscalar decay constant $f(D_s)$ using charm-tagged events in e^+e^- collisions at $\sqrt{s} = 10.58$ GeV,” [BABAR Collab.], Phys. Rev. Lett. **98**, 141801 (2007).
390. “Improved Measurements of the Branching Fractions for $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow K^+ \pi^-$, and a Search for $B^0 \rightarrow K^+ K^-$,” [BABAR Collab.], Phys. Rev. D **75**, 012008 (2007).
391. “Branching fraction measurement of $\bar{B}^0 \rightarrow D^{*+} \pi^-$, $B^- \rightarrow D^{*0} \pi^-$ and isospin analysis of $\bar{B} \rightarrow D^* \pi$ decays,” [BABAR Collab.], Phys. Rev. D **75**, 031101 (2007).
392. “Search for lepton flavor violating decays $\tau^{+-} \rightarrow l^\pm \pi^0$, $l^\pm \eta$, $l^\pm \eta'$,” [BABAR Collab.], Phys. Rev. Lett. **98**, 061803 (2007).
393. “Evidence for the rare decay $B^+ \rightarrow D_s^+ \pi^0$,” [BABAR Collab.], Phys. Rev. Lett. **98**, 171801 (2007).
394. “Branching fraction measurements of $B^+ \rightarrow \rho^+ \gamma$, $B^0 \rightarrow \rho^0 \gamma$, and $B^0 \rightarrow \omega \gamma$,” [BABAR Collab.], Phys. Rev. Lett. **98**, 151802 (2007).
395. “Evidence for $B^0 \rightarrow \rho^0 \rho^0$ decay and implications for the CKM angle alpha,” [BABAR Collab.], Phys. Rev. Lett. **98**, 111801 (2007).
396. “Measurements of CP-violating asymmetries in $B^0 \rightarrow a_1(1260)^\pm \pi^\mp$ decays,” [BABAR Collab.], Phys. Rev. Lett. **98**, 181803 (2007).
397. “Measurement of the $B^\pm \rightarrow \rho^\pm \pi^0$ branching fraction and direct CP asymmetry,” [BABAR Collab.], Phys. Rev. D **75**, 091103 (2007).
398. “Measurement of CP asymmetry in $B^0 \rightarrow K^0(S) \pi^0 \pi^0$ decays,” [BABAR Collab.], Phys. Rev. D **76**, 071101 (2007).
399. “Observation of $B^+ \rightarrow \rho^+ K^0$ and measurement of its branching fraction and charge asymmetry,” [BABAR Collab.], Phys. Rev. D **76**, 011103 (2007).
400. “Measurement of CP Asymmetries in $B^0 \rightarrow K_S^0 K_S^0 K_S^0$ Decays,” [BABAR Collab.], Phys. Rev. D **76**, 091101 (2007).
401. “Measurement of CP-violating asymmetries in $B^0 \rightarrow (\rho\pi)^0$ using a time-dependent Dalitz plot analysis,” [BABAR Collab.], Phys. Rev. D **76**, 012004 (2007).

402. “Observation of CP violation in $B^0 \rightarrow K^+\pi^-$ and $B^0 \rightarrow \pi^+\pi^-$,” [BABAR Collab.], Phys. Rev. Lett. **99**, 021603 (2007).
403. “Search for the rare decay $B \rightarrow \pi l^+ l^-$,” [BABAR Collab.], Phys. Rev. Lett. **99**, 051801 (2007).
404. “Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow D^{*0}(CP)h^0$ decays,” [BABAR Collab.], Phys. Rev. Lett. **99**, 081801 (2007).
405. “Evidence for $D^0-\bar{D}^0$ mixing,” [BABAR Collab.], Phys. Rev. Lett. **98**, 211802 (2007).
406. “Improved Measurement of CP Violation in Neutral B Decays to $c\bar{c}s$,” [BABAR Collab.], Phys. Rev. Lett. **99**, 171803 (2007).
407. “Measurement of the relative branching fractions of $\bar{B} \rightarrow D / D^* / D^{**} l\bar{n}u_l$ decays in events with a fully reconstructed B meson,” [BABAR Collab.], Phys. Rev. D **76**, 051101 (2007).
408. “Production and decay of Ω_{c0} ,” [BABAR Collab.], Phys. Rev. Lett. **99**, 062001 (2007).
409. “Measurement of CP violation parameters with a Dalitz plot analysis of $B^\pm \rightarrow D(\pi^+\pi^-\pi^0)K^\pm$,” [BABAR Collab.], Phys. Rev. Lett. **99**, 251801 (2007).
410. “Search for neutral B-meson decays to $a^0\pi$, a^0K , $\eta\rho^0$, and ηf^0 ,” [BABAR Collab.], Phys. Rev. D **75** (2007) 111102.
411. “The $e^+e^- \rightarrow K^+K^-\pi^+\pi^-$, $K^+K^-\pi^0\pi^0$ and $K^+K^-K^+K^-$ Cross Sections Measured with Initial-State Radiation,” [BABAR Collab.], Phys. Rev. D **76**, 012008 (2007).
412. “Measurement of decay amplitudes of $B \rightarrow J/\psi K^*$, $\psi(2S)K^*$, and $\chi_{c1}K^*$ with an angular analysis,” [BABAR Collab.], Phys. Rev. D **76**, 031102 (2007).
413. “Branching fraction and charge asymmetry measurements in $B \rightarrow J/\psi\pi\pi$ decays,” [BABAR Collab.], Phys. Rev. D **76**, 031101 (2007).
414. “Amplitude Analysis of the decay $D^0 \rightarrow K^-K^+\pi^0$,” [BABAR Collab.], Phys. Rev. D **76**, 011102 (2007).
415. “Evidence of a broad structure at an invariant mass of 4.32 GeV/c² in the reaction $e^+e^- \rightarrow \pi^+\pi^-\psi(2S)$ measured at BaBar,” [BABAR Collab.], Phys. Rev. Lett. **98**, 212001 (2007).
416. “Search for $B^0 \rightarrow \Phi(K^+\pi^-)$ decays with large $K^+\pi^-$ invariant mass,” [BABAR Collab.], Phys. Rev. D **76**, 051103 (2007).
417. “Search for $D^0-\bar{D}^0$ mixing using doubly flavor tagged semileptonic decay modes,” [BABAR Collab.], Phys. Rev. D **76**, 014018 (2007).
418. “Measurement of CP-Violating Asymmetries in $B^0 \rightarrow D^{*\pm}D^\mp$,” [BABAR Collab.], Phys. Rev. Lett. **99**, 071801 (2007).
419. “A search for $B^+ \rightarrow \tau^+\nu$,” [BABAR Collab.], Phys. Rev. D **76**, 052002 (2007).
420. “A Study of $B^0 \rightarrow \rho^+\rho^-$ Decays and Constraints on the CKM Angle alpha,” [BABAR Collab.], Phys. Rev. D **76**, 052007 (2007).

421. “Search for the decay $B^+ \rightarrow \bar{K}^{*0}(892)K^+$,” [BABAR Collab.], Phys. Rev. D **76**, 071103 (2007).
422. “Measurements of CP-Violating Asymmetries in the Decay $B^0 \rightarrow K^+K^-K^0$,” [BABAR Collab.], Phys. Rev. Lett. **99**, 161802 (2007).
423. “Branching fraction and CP-violation charge asymmetry measurements for B-meson decays to ηK^\pm , $\eta\pi^\pm$, $\eta'K$, $\eta'\pi^\pm$, ωK , and $\omega\pi^\pm$,” (BaBar Colab.), Phys. Rev. D **76**, 031103 (2007).
424. “Search for Prompt Production of χ_c and X(3872) in e^+e^- Annihilations,” [BABAR Collab.], Phys. Rev. D **76**, 071102 (2007).
425. “Evidence for the $B^0 \rightarrow p\bar{p}K^{*0}$ and $B^+ \rightarrow \eta_c K^{*+}$ decays and Study of the Decay Dynamics of B Meson Decays into $p\bar{p}h$ Final States,” [BABAR Collab.], Phys. Rev. D **76**, 092004 (2007).
426. “Study of $B^0 \rightarrow \pi^0\pi^0$, $B \rightarrow \pi\pi^0$, and $B \rightarrow K\pi^0$ Decays, and Isospin Analysis of $B \rightarrow \pi\pi$ Decays,” [BABAR Collab.], Phys. Rev. D **76**, 091102 (2007).
427. “Measurement of the $\tau^- \rightarrow K^-\pi^0\nu_\tau$ Branching Fraction,” [BABAR Collab.], Phys. Rev. D **76**, 051104 (2007).
428. “Observation of B-meson decays to $b_1\pi$ and b_1K ,” [BABAR Collab.], Phys. Rev. Lett. **99**, 241803 (2007).
429. “Evidence for charged B meson decays to $a_1(1260)^\pm\pi^0$ and $a_1(1260)^0\pi^\pm$,” [BABAR Collab.], Phys. Rev. Lett. **99**, 261801 (2007).
430. “Search for $b \rightarrow u$ transitions in $B^- \rightarrow [K^+\pi^-\pi^0]_D K^-$,” [BABAR Collab.], Phys. Rev. D **76**, 111101 (2007).
431. “Observation of the Decay $B^+ \rightarrow K^+K^-\pi^+$,” [BABAR Collab.], Phys. Rev. Lett. **99**, 221801 (2007).
432. “Search for the decay $B^+ \rightarrow K^+\tau^\mp\mu^\pm$,” [BABAR Collab.], Phys. Rev. Lett. **99**, 201801 (2007).
433. “Measurement of $\cos 2\beta$ in $B^0 \rightarrow D^*h^0$ Decays with a Time-Dependent Dalitz Plot Analysis of $D \rightarrow K_S\pi^+\pi^-$,” [BABAR Collab.], Phys. Rev. Lett. **99**, 231802 (2007).
434. “Improved Measurement of Time-Dependent CP Asymmetries and the CP-Odd Fraction in the Decay $B^0 \rightarrow D^{*+}D^{*-}$,” [BABAR Collab.], Phys. Rev. D **76**, 111102 (2007).
435. “The $e^+e^- \rightarrow 2(\pi^+\pi^-)\pi^0$, $2(\pi^+\pi^-)\eta$, $K^+K^-\pi^+\pi^-\pi^0$ and $K^+K^-\pi^+\pi^-\eta$ Cross Sections Measured with Initial-State Radiation,” [BABAR Collab.], Phys. Rev. D **76**, 092005 (2007).
436. “Measurements of the Branching Fractions of $B^0 \rightarrow K^{*0}K^+K^-$, $B^0 \rightarrow K^{*0}\pi^+K^-$, $B^0 \rightarrow K^{*0}K^+\pi^-$, and $B^0 \rightarrow K^{*0}\pi^+\pi^-$,” [BABAR Collab.], Phys. Rev. D **76**, 071104 (2007).
437. “Improved Limits on the Lepton-Flavor Violating Decays $\tau^- \rightarrow l^-l^+l^-$,” [BABAR Collab.], Phys. Rev. Lett. **99**, 251803 (2007).
438. “Study of $e^+e^- \rightarrow \Lambda\bar{\Lambda}$, $\Lambda\bar{\Sigma}^0$, $\Sigma^0\bar{\Sigma}^0$ using Initial State Radiation with BABAR,” [BABAR Collab.], Phys. Rev. D **76**, 092006 (2007).

439. “Coherent searches for periodic gravitational waves from unknown isolated sources and Scorpius X-1: Results from the second LIGO science run,” [LIGO Scientific Collab.], Phys. Rev. D **76**, 082001 (2007).
440. “Searching for a stochastic background of gravitational waves with LIGO,” [LIGO Scientific Collab.], Astrophys. J. **659**, 918 (2007).
441. “Upper limits on gravitational wave emission from 78 radio pulsars,” [LIGO Scientific Collab.], Phys. Rev. D **76**, 042001 (2007).
442. “Upper limit map of a background of gravitational waves,” [LIGO Scientific Collab.], Phys. Rev. D **76**, 082003 (2007).
443. “First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds,” (Allegro and LIGO Scientific Collaborations), Phys. Rev. D **76**, 022001 (2007).
444. “Search for gravitational-wave bursts in LIGO data from the fourth science run,” [LIGO Scientific Collab.], Class. Quant. Grav. **24**, 5343 (2007);
Erratum-ibid. **25**, 039801 (2008).
445. “Search for gravitational wave radiation associated with the pulsating tail of the SGR 1806-20 hyperflare of 27 December 2004 using LIGO,” [LIGO Scientific Collab.], Phys. Rev. D **76**, 062003 (2007).
446. J. E. Brau, M. Breidenbach, C. Baltay, R. E. Frey and D. M. Strom, “Silicon detectors at the ILC,” Nucl. Instrum. Meth. A **579**, 567 (2007).
447. D. Mason *et al.*, “Measurement of the Nucleon Strange-Antistrange Asymmetry at Next-to-Leading Order in QCD from NuTeV Dimuon Data,” Phys. Rev. Lett. **99**, 192001 (2007).
448. “Measurement of the Branching Fractions of the Radiative Charm Decays $D^0 \rightarrow \bar{K}^{*0}\gamma$ and $D^0 \rightarrow \phi\gamma$ ” , [BABAR Collab.], Phys. Rev. D **78**, 071101 (2008)
449. “Observation of $B_0 \rightarrow \chi_c^0 K^{*0}$ and evidence for $B^+ \rightarrow \chi_c^0 K^{*+}$ ” , [BABAR Collab.], Phys. Rev. D **78**, 091101 (2008)
450. “Measurements of Branching Fractions for $B^+ \rightarrow \rho^+\gamma$, $B^0 \rightarrow \rho^0\gamma$, and $B^0 \rightarrow \omega\gamma$ ” , [BABAR Collab.], Phys. Rev. D **78**, 112001 (2008)
451. “Search for $B \rightarrow K^*\nu\bar{\nu}$ decays” , [BABAR Collab.], Phys. Rev. D **78**, 072007 (2008)
452. “Search for the highly suppressed decays $B^- \rightarrow K^+\pi^-\pi^-$ and $B^- \rightarrow K^-K^-\pi^+$ ” , [BABAR Collab.], Phys. Rev. D **78**, 091102 (2008)
453. “Time-dependent and time-integrated angular analysis of $B \rightarrow \varphi K_S^0\pi^0$ and $\varphi K^\pm\pi^\mp$ ” , [The BABAR Collab.], Phys. Rev. D **78**, 092008 (2008)
454. “Measurement of the Branching Fractions of $B\text{bar} \rightarrow D^{**}l^-\bar{\nu}_l$ decays in Events Tagged by a Fully Reconstructed B Meson” , [BABAR Collab.], Phys. Rev. Lett. **101**, 261802 (2008)

455. “Measurement of the Branching Fraction, Polarization, and CP Asymmetries in $B^0 \rightarrow \rho^0 \rho^0$ Decay, and Implications for the CKM Angle α ” , [BaBar Collab.], Phys. Rev. D **78**, 071104 (2008)
456. “Measurements of $\mathcal{B}(\bar{B}^0 \rightarrow \Lambda_c^+ \bar{p})$ and $\mathcal{B}(B^- \rightarrow \Lambda_c^+ \bar{p} \pi^-)$ and Studies of $\Lambda_c^+ \pi^-$ Resonances” , [BABAR Collab.], Phys. Rev. D **78**, 112003 (2008)
457. “Searches for B meson decays to phiphi , phirho , phifzero(980) , and $\text{fzero(980)fzero(980)}$ final states” , [BaBar Collab.], Phys. Rev. Lett. **101**, 201801 (2008)
458. “Measurement of Time-Dependent CP Asymmetry in $B^0 \rightarrow K_S^0 \pi^0 \gamma$ Decays” , [BABAR Collab.], Phys. Rev. D **78**, 071102 (2008)
459. “Measurement of Ratios of Branching Fractions and CP-Violating Asymmetries of $B^\pm \rightarrow D^* K^\pm$ Decays” , [BABAR Collab.], Phys. Rev. D **78**, 092002 (2008)
460. “Study of hadronic transitions between Y states and observation of $Y(4S) \rightarrow \eta Y(1S)$ decay” , [BABAR Collab.], Phys. Rev. D **78**, 112002 (2008)
461. “Study of the decay $D_s^+ \rightarrow K^+ K^- e^+ \nu_e$ ” , [BABAR Collab.], Phys. Rev. D **78**, 051101 (2008)
462. “Observation of the bottomonium ground state in the decay $v_{3S} \rightarrow \gamma \eta_{ab}$ ” , [BABAR Collab.], Phys. Rev. Lett. **101**, 071801 (2008) [Erratum-ibid. **102**, 029901 (2009)]
463. “Search for $B^0 \rightarrow K^{*+} K^{*-}$ ” , [BABAR Collab.], Phys. Rev. D **78**, 051103 (2008)
464. “Observation and Polarization Measurements of $B^\pm \rightarrow \phi K_1^\pm$ and $B^\pm \rightarrow \phi K_2^{*\pm}$ ” , [BABAR Collab.], Phys. Rev. Lett. **101**, 161801 (2008)
465. “Observation of $e^+ e^- \rightarrow \rho^+ \rho^-$ near $\sqrt{s} = 10.58\text{-GeV}$ ” , [BaBar Collab.], Phys. Rev. D **78**, 071103 (2008)
466. “A Measurement of CP Asymmetry in $b \rightarrow s \gamma$ using a Sum of Exclusive Final States” , [BABAR Collab.], Phys. Rev. Lett. **101**, 171804 (2008)
467. “Measurements of $B \rightarrow \{\pi, \eta, \eta'\} \ell \nu_\ell$ Branching Fractions and Determination of $|V_{ub}|$ with Semileptonically Tagged B Mesons” , [BABAR Collab.], Phys. Rev. Lett. **101**, 081801 (2008)
468. “Observation of $B^+ \rightarrow b_1^+ K^0$ and search for B-meson decays to $b_1^0 K^0$ and $b_1 \pi^0$ ” , [BABAR Collab.], Phys. Rev. D **78**, 011104 (2008)
469. “Measurement of the Mass Difference $m(B^0) - m(B^+)$ ” , [BABAR Collab.], Phys. Rev. D **78**, 011103 (2008)
470. “Observation of $B^+ \rightarrow \eta \rho^+$ and search for B^0 decays to $\eta' \eta$, $\eta \pi^0$, $\eta' \pi^0$, and $\omega \pi^0$ ” , [BABAR Collab.], Phys. Rev. D **78**, 011107 (2008)
471. “Improved measurement of the CKM angle γ in $B^\mp \rightarrow D^{(*)} K^{(*)\mp}$ decays with a Dalitz plot analysis of D decays to $K_S^0 \pi^+ \pi^-$ and $K_S^0 K^+ K^-$ ” , [BABAR Collab.], Phys. Rev. D **78**, 034023 (2008)
472. “Study of B-meson decays to $\eta_c K^{(*)}$, $\eta_c(2S) K^{(*)}$ and $\eta_c \gamma K^{(*)}$ ” , [BABAR Collab.], Phys. Rev. D **78**, 012006 (2008)

473. “Evidence for CP violation in $B^0 \rightarrow J/\psi\pi^0$ decays” , [BABAR Collab.], Phys. Rev. Lett. **101**, 021801 (2008)
474. “Study of B Meson Decays with Excited eta and eta’ Mesons” , [BABAR Collab.], Phys. Rev. Lett. **101**, 091801 (2008)
475. “Evidence for Direct CP Violation from Dalitz-plot analysis of $B^\pm \rightarrow K^\pm\pi^\mp\pi^\pm$ ” , [BABAR Collab.], Phys. Rev. D **78**, 012004 (2008)
476. “Measurement of the Branching Fractions of the Rare Decays $B^0 \rightarrow D_s (*) + \pi^-$, $B^0 \rightarrow D_s (*) + \rho^-$, and $B^0 \rightarrow D_s (*) - K^{(*)+}$ ” , [BABAR Collab.], Phys. Rev. D **78**, 032005 (2008)
477. “A Study of $B \rightarrow X(3872)K$, with $X_{3872} \rightarrow J/\Psi\pi^+\pi^-$ ” , [BABAR Collab.], Phys. Rev. D **77**, 111101 (2008)
478. “Measurement of the Spin of the Xi(1530) Resonance” , [BABAR Collab.], Phys. Rev. D **78**, 034008 (2008)
479. “Measurement of the $\tau^- \rightarrow \eta\pi^- \pi\pi^- \nu_{\tau}$ Branching Fraction and a Search for a Second-Class Current in the $\tau^- \rightarrow \eta'(958) \pi^- \nu_{\tau}$ Decay” , [BaBar Collab.], Phys. Rev. D **77**, 112002 (2008)
480. “Measurement of CP observables in $B^\pm \rightarrow D_{CP}^0 K^\pm$ decays” , [BABAR Collab.], Phys. Rev. D **77**, 111102 (2008)
481. “Search for CP Violation in Neutral D Meson Cabibbo-suppressed Three-body Decays” , [BABAR Collab.], Phys. Rev. D **78**, 051102 (2008)
482. “Searches for the decays $B^0 \rightarrow \ell^\pm\tau^\mp$ and $B^+ \rightarrow \ell^+\nu$ ($\ell=e, \mu$) using hadronic tag reconstruction” , [BABAR Collab.], Phys. Rev. D **77**, 091104 (2008)
483. “A Measurement of the branching fractions of exclusive $\bar{B} \rightarrow D^{(*)} (\pi) \ell^- \bar{\nu} (\ell)$ decays in events with a fully reconstructed B meson” , [BABAR Collab.], Phys. Rev. Lett. **100**, 151802 (2008)
484. “Measurement of the Decay $B^- \rightarrow D^{*0} e^- \bar{\nu} (e)$ ” , [BABAR Collab.], Phys. Rev. Lett. **100**, 231803 (2008)
485. “Time-dependent Dalitz plot analysis of $B^0 \rightarrow D^\mp K^0 \pi^\pm$ decays” , [BABAR Collab.], Phys. Rev. D **77**, 071102 (2008)
486. “Measurement of $D^0 - \bar{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K^- \pi^+$, $K^- K^+$, and $\pi^- \pi^+$ ” , [BABAR Collab.], Phys. Rev. D **78**, 011105 (2008)
487. “Search for decays of $B^0 \rightarrow$ mesons into e^+e^- , $\mu^+\mu^-$, and $e^\pm\mu^\mp$ final states” , [BaBar Collab.], Phys. Rev. D **77**, 032007 (2008)
488. “Measurement of the $B \rightarrow X_s$ gamma Branching Fraction and Photon Energy Spectrum using the Recoil Method” , [BABAR Collab.], Phys. Rev. D **77**, 051103 (2008)
489. “Dalitz Plot Analysis of the Decay B^0 (anti-B0) $\rightarrow K^\pm\pi^\mp\pi^0$ ” , [BaBar Collab.], Phys. Rev. D **78**, 052005 (2008)
490. “Search for CPT and Lorentz Violation in B0-B0bar Oscillations with Dilepton Events” , [BABAR Collab.], Phys. Rev. Lett. **100**, 131802 (2008)

491. “Observation of $Y(3940) \rightarrow J/\psi\omega$ in $B \rightarrow J/\psi\omega K$ at BABAR” , [BaBar Collab.], Phys. Rev. Lett. **101**, 082001 (2008)
492. “Search for Lepton Flavor Violating Decays $\tau^\pm \rightarrow \ell^\pm\omega$ ($\ell = e, \mu$)” , [BABAR Collab.], Phys. Rev. Lett. **100**, 071802 (2008)
493. “A study of $\bar{B} \rightarrow X i_c \Lambda_c^-$ and $\bar{B} \rightarrow \Lambda_c^+ \Lambda_c^- \bar{K}$ decays at BABAR” , [BaBar Collab.], Phys. Rev. D **77**, 031101 (2008)
494. “A Study of Excited Charm-Strange Baryons with Evidence for new Baryons $\Xi_c(3055)^+$ and $\Xi_c(3123)^+$ ” , [BABAR Collab.], Phys. Rev. D **77**, 012002 (2008)
495. “Measurements of $e^+e^- \rightarrow K^+K^-\eta$, $K^+K^-\pi^0$ and $K_s^0K^\pm\pi^\mp$ cross- sections using initial state radiation events” , [BaBar Collab.], Phys. Rev. D **77**, 092002 (2008)
496. “Observation of B^+ Meson Decays to $a_1(1260)^+K^0$ and B^0 to $a_1(1260) - K^+$ ” , [BABAR Collab.], Phys. Rev. Lett. **100**, 051803 (2008)
497. “Search for CP violation in the decays $D^0 \rightarrow K^-K^+$ and $D^0 \rightarrow \pi^-\pi^+$ ” , [BaBar Collab.], Phys. Rev. Lett. **100**, 061803 (2008)
498. “Observation of the semileptonic decays $B \rightarrow D^*\tau^-\bar{\nu}(\tau)$ and evidence for $B \rightarrow D\tau^-\bar{\nu}(\tau)$ ” , [BABAR Collab.], Phys. Rev. Lett. **100**, 021801 (2008)
499. “Measurements of Partial Branching Fractions for $\bar{B} \rightarrow X_u\ell\bar{\nu}$ and Determination of $|V_{ub}|$ ” , [BABAR Collab.], Phys. Rev. Lett. **100**, 171802 (2008)
500. “A Search for $B^+ \rightarrow \tau^+\nu$ with Hadronic B tags” , [BABAR Collab.], Phys. Rev. D **77**, 011107 (2008)
501. “Observation of $B^0 \rightarrow K^{*0}\bar{K}^{*0}$ and search for $B^0 \rightarrow K^{*0}K^{*0}$ ” , [BABAR Collab.], Phys. Rev. Lett. **100**, 081801 (2008)
502. “Study of Resonances in Exclusive B Decays to $D\bar{b}^{(*)}D^{(*)}K$ ” , [BABAR Collab.], Phys. Rev. D **77**, 011102 (2008)
503. “Search for the rare charmless hadronic decay $B^+ \rightarrow a_1\pi^0$ ” , [The BABAR Collab.], Phys. Rev. D **77**, 011101 (2008) [Erratum-ibid. D **77**, 039903 (2008 ERRAT,D77,019904.2008)]
504. “Exclusive branching fraction measurements of semileptonic tau decays into three charged hadrons, $\tau^- \rightarrow \phi\pi^-\nu_\tau$ and $\tau^- \rightarrow \phi K^-\nu_\tau$ ” , [BABAR Collab.], Phys. Rev. Lett. **100**, 011801 (2008)
505. “Measurement of the CP-violating asymmetries in $B^0 \rightarrow K_S^0\pi^0$ and of the branching fraction of $B^0 \rightarrow K^0\pi^0$ ” , [BABAR Collab.], Phys. Rev. D **77**, 012003 (2008)
506. “Observation of $B^- \rightarrow D_s^{(*)+}K^-\pi^-$ and $\bar{B}^0 \rightarrow D_s^+K_S^0\pi^-$ and Search for $\bar{B}^0 \rightarrow D_s^{*+}K_S^0\pi^-$ and $B^- \rightarrow D_s^{(*)+}K^-K^-$ ” , [BABAR Collab.], Phys. Rev. Lett. **100**, 171803 (2008)
507. “Search for the decays $B^0 \rightarrow e^+e^-\gamma$ and $B^0 \rightarrow \mu^+\mu^-\gamma$ ” , [BABAR Collab.], Phys. Rev. D **77**, 011104 (2008)
508. “Determination of the form-factors for the decay $B^0 \rightarrow D^{*-}\ell^+\nu_\ell$ and of the CKM matrix element $|V_{cb}|$ ” , [BABAR Collab.], Phys. Rev. D **77**, 032002 (2008)

509. “Measurement of the absolute branching fraction of $D^0 \rightarrow K^- \pi^+$ ” , [BABAR Collab.], Phys. Rev. Lett. **100**, 051802 (2008)
510. “Search for Gravitational Wave Bursts from Soft Gamma Repeaters” , [LIGO Scientific Collab.], Phys. Rev. Lett. **101**, 211102 (2008)
511. “First joint search for gravitational-wave bursts in LIGO and GEO600 data” , [LIGO Scientific Collab.], ,Class. Quant. Grav. **25**, 245008 (2008)
512. “Search for Gravitational Waves Associated with 39 Gamma-Ray Bursts Using Data from the Second, Third, and Fourth LIGO Runs” , [LIGO Scientific Collab.], Phys. Rev. D **77**, 062004 (2008)
513. “Astrophysically Triggered Searches for Gravitational Waves: Status and Prospects” , [LIGO Scientific Collab. and Virgo Collab.], ,Class. Quant. Grav. **25**, 114051 (2008)
514. “Search of S3 LIGO data for gravitational wave signals from spinning black hole and neutron star binary inspirals” , [LIGO Scientific Collab.], Phys. Rev. D **78**, 042002 (2008)
515. “A Joint Search for Gravitational Wave Bursts with AURIGA and LIGO” , [AURIGA Collaboration and LIGO Scientific Collab.], ,Class. Quant. Grav. **25**, 095004 (2008)
516. “All-sky search for periodic gravitational waves in LIGO S4 data” , [LIGO Scientific Collab.], Phys. Rev. D **77**, 022001 (2008)
517. “Search for gravitational waves from binary inspirals in S3 and S4 LIGO data” , [LIGO Scientific Collab.], Phys. Rev. D **77**, 062002 (2008)
518. “Implications for the Origin of GRB 070201 from LIGO Observations” , [LIGO Scientific Collab.], Astrophys. J. **681**, 1419 (2008)
519. “Beating the spin-down limit on gravitational wave emission from the Crab pulsar” , [LIGO Scientific Collab.], Astrophys. J. **683**, L45 (2008)
520. “Evidence for $B^+ \rightarrow \bar{K}^{*0} K^{*+}$,” [BaBar Collab.], Phys. Rev. D **79**, 051102 (2009) [arXiv:0901.1223 [hep-ex]].
521. “Search for Lepton Flavour Violating Decays $\tau \rightarrow \ell K_S^0$ with the BaBar Experiment,” [BaBar Collab.], Phys. Rev. D **79**, 012004 (2009) [arXiv:0812.3804 [hep-ex]].
522. “Measurement of Time-Dependent CP Asymmetry in $B^0 \rightarrow c\bar{c} K^{(*)0}$ Decays,” [BaBar Collab.], Phys. Rev. D **79**, 072009 (2009) [arXiv:0902.1708 [hep-ex]].
523. “Observation of B Meson Decays to omega K^* and Improved Measurements for omega rho and omega f_0 ,” [BaBar Collab.], Phys. Rev. D **79**, 052005 (2009) [arXiv:0901.3703 [hep-ex]].
524. “Improved Measurement of $B^+ \rightarrow \rho^+ \rho^0$ and Determination of the Quark-Mixing Phase Angle α ,” [BaBar Collab.], Phys. Rev. Lett. **102**, 141802 (2009) [arXiv:0901.3522 [hep-ex]].
525. “Dalitz Plot Analysis of $B \rightarrow D^+ \pi^- \pi^-$,” [BaBar Collab.], Phys. Rev. D **79**, 112004 (2009) [arXiv:0901.1291 [hep-ex]].

526. “Search for the Rare Leptonic Decays $B \rightarrow \ell\nu$ ($\ell = e, \mu$),” [BaBar Collab.], Phys. Rev. D **79**, 091101 (2009) [arXiv:0903.1220 [hep-ex]].
527. “Evidence for the $\eta_b(1S)$ Meson in Radiative Upsilon(2S) Decay,” [BaBar Collab.], Phys. Rev. Lett. **103**, 161801 (2009) [arXiv:0903.1124 [hep-ex]].
528. “Measurement of the Semileptonic Decays $B \rightarrow D\tau^-\bar{n}u_\tau$ and $B \rightarrow D^*\tau^-\bar{n}u_\tau$,” [BaBar Collab.], Phys. Rev. D **79**, 092002 (2009) [arXiv:0902.2660 [hep-ex]].
529. “Search for Dimuon Decays of a Light Scalar in Radiative Transitions $Y(3S) \rightarrow \gamma A_0$,” [BaBar Collab.], arXiv:0902.2176 [hep-ex].
530. “Dalitz Plot Analysis of $B^\pm \rightarrow \pi^\pm\pi^\pm\pi^\mp$ Decays,” [BaBar Collab.], Phys. Rev. D **79**, 072006 (2009) [arXiv:0902.2051 [hep-ex]].
531. “Search for Second-Class Currents in $\tau^- \rightarrow \omega \pi^- \nu_\tau$,” [BaBar Collab.], Phys. Rev. Lett. **103**, 041802 (2009) [arXiv:0904.3080 [hep-ex]].
532. “Search for $b \rightarrow u$ transitions in $B_0 \rightarrow D_0 K^*0$ decays,” [BaBar Collab.], Phys. Rev. D **80**, 031102 (2009) [arXiv:0904.2112 [hep-ex]].
533. “Improved limits on lepton flavor violating tau decays to $l \phi$, $l \rho$, $l K^*$ and $l \bar{K}^*$,” [BaBar Collab.], Phys. Rev. Lett. **103**, 021801 (2009) [arXiv:0904.0339 [hep-ex]].
534. “Exclusive Initial-State-Radiation Production of the $\bar{D}D$, $\bar{D}D^*$, and \bar{D}^*D^* Systems,” [BaBar Collab.], Phys. Rev. D **79**, 092001 (2009) [arXiv:0903.1597 [hep-ex]].
535. “Measurement of the Branching Fraction and Lambda-bar Polarization in $B_0 \rightarrow \Lambda\bar{p} \pi^-$,” [BaBar Collab.], Phys. Rev. D **79**, 112009 (2009) [arXiv:0904.4724 [hep-ex]].
536. “Search for B^0 Meson Decays to $\pi^0 K_S^0 K_S^0$, $\eta K_S^0 K_S^0$, and $\eta' K_S^0 K_S^0$ ” [BaBar Collab.], Phys. Rev. D **80**, 011101 (2009) [arXiv:0905.0868 [hep-ex]].
537. “Measurement of Branching Fractions and CP and Isospin Asymmetries in $B \rightarrow K^*(892) \gamma$ Decays,” [BaBar Collab.], Phys. Rev. Lett. **103**, 211802 (2009) [arXiv:0906.2177 [hep-ex]].
538. “Measurement of the $\gamma \gamma^* \rightarrow \pi^0$ transition form factor,” [BaBar Collab.], Phys. Rev. D **80**, 052002 (2009) [arXiv:0905.4778 [hep-ex]].
539. “Search for Dimuon Decays of a Light Scalar Boson in Radiative Transitions $Upsilon \rightarrow \gamma A_0$,” [BaBar Collab.], Phys. Rev. Lett. **103**, 081803 (2009) [arXiv:0905.4539 [hep-ex]].
540. “Time-dependent amplitude analysis of $B_0 \rightarrow K^0_S \pi^+ \pi^-$,” [BaBar Collab.], Phys. Rev. D **80**, 112001 (2009) [arXiv:0905.3615 [hep-ex]].
541. “Observation and Polarization Measurement of $B_0 \rightarrow a_1(1260)^+ a_1(1260)^-$ Decay,” [BaBar Collab.], Phys. Rev. D **80**, 092007 (2009) [arXiv:0907.1776 [hep-ex]].
542. “B meson decays to charmless meson pairs containing eta or eta' mesons,” [BaBar Collab.], Phys. Rev. D **80**, 112002 (2009) [arXiv:0907.1743 [hep-ex]].

543. “A Model-independent search for the decay $B^+ \rightarrow l^+ \nu(l) \gamma$,” [BaBar Collab.], Phys. Rev. D **80**, 111105 (2009) [arXiv:0907.1681 [hep-ex]].
544. “Search for a low-mass Higgs boson in $Y(3S) \rightarrow \gamma A^0$, $A^0 \rightarrow \tau^+ \tau^-$ at BABAR,” [BaBar Collab.], Phys. Rev. Lett. **103**, 181801 (2009) [arXiv:0906.2219 [hep-ex]].
545. “Observation of the baryonic B-decay $B^0 \rightarrow \Lambda_c^+ \text{antiproton } K^- \pi^+$,” [BaBar Collab.], Phys. Rev. D **80**, 051105 (2009) [arXiv:0907.4566 [hep-ex]].
546. “Search for B-meson decays to $b_1 \rho$ and $b_1 K^*$,” [BaBar Collab.], Phys. Rev. D **80**, 051101 (2009) [arXiv:0907.3485 [hep-ex]].
547. “Study of D_{sJ} decays to $D^* K$ in inclusive $e^+ e^-$ interactions,” [BaBar Collab.], Phys. Rev. D **80**, 092003 (2009) [arXiv:0908.0806 [hep-ex]].
548. “Measurement of D^0 - D^0 bar Mixing using the Ratio of Lifetimes for the Decays $D^0 \rightarrow K^- \pi^+$ and $K^+ K^-$,” [BaBar Collab.], Phys. Rev. D **80**, 071103 (2009) [arXiv:0908.0761 [hep-ex]].
549. “Precise measurement of the $e^+ e^-$ to $\pi^+ \pi^-$ (gamma) cross section with the Initial State Radiation method at BABAR,” [BaBar Collab.], Phys. Rev. Lett. **103**, 231801 (2009) [arXiv:0908.3589 [hep-ex]].
550. “A Search for Invisible Decays of the Upsilon(1S),” [BaBar Collab.], Phys. Rev. Lett. **103**, 251801 (2009) [arXiv:0908.2840 [hep-ex]].
551. “Measurements of the τ Mass and Mass Difference of the τ^+ and τ^- at BaBar,” [BaBar Collab.], Phys. Rev. D **80**, 092005 (2009) [arXiv:0909.3562 [hep-ex]].
552. “Measurement of CP violation observables and parameters for the decays $B^\pm \rightarrow DK^{*\pm}$,” [BaBar Collab.], Phys. Rev. D **80**, 092001 (2009) [arXiv:0909.3981 [hep-ex]].
553. “Measurement of $|V_{cb}|$ and the Form-Factor Slope in $B^0 \rightarrow D^+ l^- \text{neutrino}$ Decays in Events Tagged by a Fully Reconstructed B Meson,” [BaBar Collab.], Phys. Rev. Lett. **104**, 011802 (2010) [arXiv:0904.4063 [hep-ex]].
554. “Measurement and interpretation of moments in inclusive semileptonic decays $B^0 \rightarrow X_c l^- \text{neutrino}$,” [BaBar Collab.], Phys. Rev. D **81**, 032003 (2010) [arXiv:0908.0415 [hep-ex]].
555. “Searches for Lepton Flavor Violation in the Decays $\tau \rightarrow e \gamma$ and $\tau \rightarrow \mu \gamma$,” [BaBar Collab.], Phys. Rev. Lett. **104**, 021802 (2010) [arXiv:0908.2381 [hep-ex]].
556. “Measurement of branching fractions of B decays to $K_1(1270)\pi$ and $K_1(1400)\pi$ and determination of the CKM angle α from $B^0 \rightarrow a_1(1260)^\pm \pi^\mp$,” [BaBar Collab.], Phys. Rev. D **81**, 052009 (2010) [arXiv:0909.2171 [hep-ex]].
557. “Observation of inclusive $D^{*\pm}$ production in the decay of $\Upsilon(1S)$,” [BaBar Collab.], Phys. Rev. D **81**, 011102 (2010) [arXiv:0911.2024 [hep-ex]].
558. “Analysis of the $D^+ \rightarrow K^- \pi^+ e^+ \nu_e$ decay channel,” [BaBar Collab.], Phys. Rev. D **83** (2011) 072001 [arXiv:1012.1810 [hep-ex]].
559. “Dalitz plot analysis of $D_s^+ \rightarrow K^+ K^- \pi^+$,” [BaBar Collab.], Phys. Rev. D **83** (2011) 052001 [arXiv:1011.4190 [hep-ex]].

560. “Measurement of the $B \rightarrow D\text{-bar}^{(*)}D^{(*)}K$ branching fractions,” [BaBar Collab.], Phys. Rev. D **83** (2011) 032004 [arXiv:1011.3929 [hep-ex]].
561. “Studies of $\tau \rightarrow \eta K \nu$ and $\tau \rightarrow \eta \pi \nu$ at BaBar and a search for a second-class current,” [BaBar Collab.], Phys. Rev. D **83** (2011) 032002 [arXiv:1011.3917 [hep-ex]].
562. “A Search for the Decay $B^0 \rightarrow \gamma\gamma$,” [BaBar Collab.], Phys. Rev. D **83** (2011) 032006 [arXiv:1010.2229 [hep-ex]].
563. “Measurement of the $B^0 \rightarrow \pi^\ell \ell^+ \nu$ and $B^+ \rightarrow \eta^{(\prime)} \ell^+ \nu$ Branching Fractions, the $B^0 \rightarrow \pi^- \ell^+ \nu$ and $B^+ \rightarrow \eta \ell^+ \nu$ Form-Factor Shapes, and Determination of $|V_{ub}|$,” [BaBar Collab.], Phys. Rev. D **83** (2011) 052011 [arXiv:1010.0987 [hep-ex]].
564. “Observation of new resonances decaying to $D\pi$ and $D^*\pi$ in inclusive e^+e^- collisions near $\sqrt{s} = 10.58$ GeV,” [BaBar Collab.], Phys. Rev. D **82** (2010) 111101 [arXiv:1009.2076 [hep-ex]].
565. “Search for the Rare Decay $B \rightarrow K \nu \bar{\nu} u$,” [BaBar Collab.], Phys. Rev. D **82** (2010) 112002 [arXiv:1009.1529 [hep-ex]].
566. “Measurement of the Absolute Branching Fractions for $D_s^- \rightarrow \ell^- \bar{\nu}_\ell$ and Extraction of the Decay Constant f_{D_s} ,” [BaBar Collab.], Phys. Rev. D **82** (2010) 091103 [arXiv:1008.4080 [hep-ex]].
567. “Exclusive Production of $D_s^+ D_s^-$, $D_s^{*+} D_s^-$, and $D_s^{*+} D_s^{*-}$ via e^+e^- Annihilation with Initial-State-Radiation,” [BaBar Collab.], Phys. Rev. D **82** (2010) 052004 [arXiv:1008.0338 [hep-ex]].
568. “Search for $f_J(2220)$ in radiative J/psi decays,” [BaBar Collab.], Phys. Rev. Lett. **105** (2010) 172001 [arXiv:1007.3526 [hep-ex]].
569. “Search for B+ meson decay to $a_1 + K^*0$,” [BaBar Collab.], Phys. Rev. D **82** (2010) 091101 [arXiv:1007.2732 [hep-ex]].
570. “Observation of the decay $\bar{B}^0 \rightarrow \Lambda_c^+ \bar{p} \pi^0$,” [BaBar Collab.], Phys. Rev. D **82** (2010) 031102 [arXiv:1007.1370 [hep-ex]].
571. “Measurement of CP observables in $B^\pm \rightarrow D_{CP} K^\pm$ decays and constraints on the CKM angle γ ,” [BaBar Collab.], Phys. Rev. D **82** (2010) 072004 [arXiv:1007.0504 [hep-ex]].
572. “Search for $b \rightarrow u$ transitions in $B^- \rightarrow DK^-$ and $D^* K^-$ Decays,” [BaBar Collab.], Phys. Rev. D **82** (2010) 072006 [arXiv:1006.4241 [hep-ex]].
573. “Correlated leading baryon-antibaryon production in $e^+e^- \rightarrow c\bar{c} \rightarrow \Lambda_c^+ \Lambda_c^- X$,” [BaBar Collab.], Phys. Rev. D **82** (2010) 091102 [arXiv:1006.2216 [hep-ex]].
574. “Evidence for the decay $X(3872) \rightarrow J/\psi \omega$,” [BaBar Collab.], Phys. Rev. D **82** (2010) 011101 [arXiv:1005.5190 [hep-ex]].
575. “Study of $B \rightarrow X$ *gamma* Decays and Determination of $|V_{td}/V_{ts}|$,” [BaBar Collab.], Phys. Rev. D **82** (2010) 051101 [arXiv:1005.4087 [hep-ex]].
576. “Study of $B \rightarrow \pi \ell \nu$ and $B \rightarrow \rho \ell \nu$ Decays and Determination of $|V_{ub}|$,” [BaBar Collab.], Phys. Rev. D **83** (2011) 032007 [arXiv:1005.3288 [hep-ex]].

577. “Evidence for direct CP violation in the measurement of the Cabibbo-Kobayashi-Maskawa angle γ with $B \rightarrow D^{(*)} K^{(*)}$ decays,” [BaBar Collab.], Phys. Rev. Lett. **105** (2010) 121801 [arXiv:1005.1096 [hep-ex]].
578. “Search for $B \rightarrow D+K^0$ and $B \rightarrow D+K^{*0}$ decays,” [BaBar Collab.], Phys. Rev. D **82** (2010) 092006 [arXiv:1005.0068 [hep-ex]].
579. “Measurement of D^0 -anti D^0 mixing parameters using $D^0 \rightarrow K^0_S \pi^+ \pi^-$ and $D^0 \rightarrow K^0_S K^+ K^-$ decays,” [BaBar Collab.], Phys. Rev. Lett. **105** (2010) 081803 [arXiv:1004.5053 [hep-ex]].
580. “B-meson decays to $\eta' \rho$, $\eta' f_0$, and $\eta' K^*$,” [BaBar Collab.], Phys. Rev. D **82** (2010) 011502 [arXiv:1004.0240 [hep-ex]].
581. “Observation of the $\Upsilon 1^3 D_J$ Bottomonium State through Decays to $\pi^+ \pi^- \Upsilon 1S$,” [BaBar Collab.], Phys. Rev. D **82** (2010) 111102 [arXiv:1004.0175 [hep-ex]].
582. “Search for CP violation using T -odd correlations in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays,” [BaBar Collab.], Phys. Rev. D **81** (2010) 111103 [arXiv:1003.3397 [hep-ex]].
583. “Observation of the Rare Decay $B^0 \rightarrow K^0(s) K^+ \pi^-$,” [BaBar Collab.], Phys. Rev. D **82** (2010) 031101 [arXiv:1003.0640 [hep-ex]].
584. “Limits on tau Lepton-Flavor Violating Decays in three charged leptons,” [BaBar Collab.], Phys. Rev. D **81** (2010) 111101 [arXiv:1002.4550 [hep-ex]].
585. “Test of lepton universality in Upsilon(1S) decays at BaBar,” Phys. Rev. Lett. **104** (2010) 191801 [arXiv:1002.4358 [hep-ex]].
586. “Measurement of the $\gamma \gamma \rightarrow \eta_c$ transition form factor,” Phys. Rev. D **81** (2010) 052010 [arXiv:1002.3000 [hep-ex]].
587. “Observation of the $\chi_{c2}(2P)$ meson in the reaction $\gamma \gamma \rightarrow D \bar{D}$ at BABAR,” [BaBar Collab.], Phys. Rev. D **81** (2010) 092003 [arXiv:1002.0281 [hep-ex]].
588. “Search for Charged Lepton Flavor Violation in Narrow Upsilon Decays,” [BaBar Collab.], Phys. Rev. Lett. **104** (2010) 151802, [arXiv:1001.1883 [hep-ex]].
589. “Observation of the $\chi_{c2}(2P)$ meson in the reaction $\gamma \gamma \rightarrow D \bar{D}$ at BaBar,” [BABAR Collaboration], Phys. Rev. D **81** (2010) 092003, [arXiv:1002.0281 [hep-ex]].
590. “Study of $B \rightarrow X \gamma$ Decays and Determination of $|V_{td}/V_{ts}|$,” [BABAR Collaboration], Phys. Rev. D **82** (2010) 051101, [arXiv:1005.4087 [hep-ex]].
591. “Correlated leading baryon-antibaryon production in $e^+ e^- \rightarrow c \bar{c} \rightarrow \Lambda_c^+ \Lambda_c^- X$,” [BaBar Collaboration], Phys. Rev. D **82** (2010) 091102, [arXiv:1006.2216 [hep-ex]].
592. “Measurement of partial branching fractions of inclusive charmless B meson decays to K^+ , K^0 , and π^+ ,” [BaBar Collab.], Phys. Rev. D **83** (2011) 031103 [arXiv:1012.5031 [hep-ex]].
593. “Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow \rho^0 K^{*+}$ and $B \rightarrow f_0(980) K^{*+}$ decays,” [BaBar Collab.], Phys. Rev. D **83** (2011) 051101 [arXiv:1012.4044 [hep-ex]].

594. “Study of $B \rightarrow \pi l \nu$ and $B \rightarrow \rho l \nu$ Decays and Determination of $|V_{ub}|$,” [BABAR Collaboration], Phys. Rev. D **83** (2011) 032007, [arXiv:1005.3288 [hep-ex]].
595. “Search for Production of Invisible Final States in Single-Photon Decays of Upsilon(1S),” [BaBar Collaboration], Phys. Rev. Lett. **107** (2011) 021804, [arXiv:1007.4646 [hep-ex]].
596. “Observation of the Decay $B^- \rightarrow D_s^{(*)+} K^- \ell^- \bar{\nu}_\ell$,” [The BABAR Collaboration], Phys. Rev. Lett. **107** (2011) 041804, [arXiv:1012.4158 [hep-ex]].
597. “Measurement of the $\gamma \gamma^* \rightarrow \eta$ and $\gamma \gamma^* \rightarrow \eta'$ transition form factors,” [BABAR Collaboration], Phys. Rev. D **84** (2011) 052001, [arXiv:1101.1142 [hep-ex]].
598. “Searches for the baryon- and lepton-number violating decays $B^0 \rightarrow \Lambda_c^+ \ell^-$, $B^- \rightarrow \Lambda \ell^-$, and $B^- \rightarrow \bar{\Lambda} \ell^-$,” [BABAR Collaboration], Phys. Rev. D **83** (2011) 091101, [arXiv:1101.3830 [hep-ex]].
599. “Evidence for the $h_b(1P)$ meson in the decay $\text{Upsilon}(3S) \rightarrow \pi^0 h_b(1P)$,” [The BABAR Collaboration], Phys. Rev. D **84** (2011) 091101, [arXiv:1102.4565 [hep-ex]].
600. “Measurement of the mass and width of the $D_{s1}(2536)^+$ meson,” [The BABAR Collaboration], Phys. Rev. D **83** (2011) 072003, [arXiv:1103.2675 [hep-ex]].
601. “Observation of $\eta_c(1S)$ and $\eta_c(2S)$ decays to $K^+ K^- \pi^+ \pi^- \pi^0$ in two-photon interactions,” [The BABAR Collaboration], Phys. Rev. D **84** (2011) 012004, [arXiv:1103.3971 [hep-ex]].
602. “Search for CP violation in the decay $D^\pm \rightarrow K_S^0 \pi^\pm$,” [BABAR Collaboration], Phys. Rev. D **83** (2011) 071103, [arXiv:1011.5477 [hep-ex]].
603. “Search for $b \rightarrow u$ Transitions in $B^{+-} \rightarrow [K^-+ \pi^+ - \pi^0]_D K^{+-}$ Decays,” [The BABAR Collaboration], Phys. Rev. D **84** (2011) 012002, [arXiv:1104.4472 [hep-ex]].
604. “Study of radiative bottomonium transitions using converted photons,” [The BABAR Collaboration], Phys. Rev. D **84** (2011) 072002, [arXiv:1104.5254 [hep-ex]].
605. “Study of di-pion bottomonium transitions and search for the $h_b(1P)$ state,” [BABAR Collaboration], Phys. Rev. D **84** (2011) 011104, [arXiv:1105.4234 [hep-ex]].
606. “Search for CP violation using T -odd correlations in $D^+ \rightarrow K^+ K_S^0 \pi^+ \pi^-$ and $D_s^+ \rightarrow K^+ K_S^0 \pi^+ \pi^-$ decays,” [The BABAR Collaboration], Phys. Rev. D **84** (2011) 031103, [arXiv:1105.4410 [hep-ex]].
607. “Measurements of branching fractions and CP asymmetries and studies of angular distributions for B to $\phi \phi K$ decays,” [The BABAR Collaboration], Phys. Rev. D **84** (2011) 012001, [arXiv:1105.5159 [hep-ex]].
608. “Searches for Rare or Forbidden Semileptonic Charm Decays,” [The BABAR Collaboration], Phys. Rev. D **84** (2011) 072006, [arXiv:1107.4465 [hep-ex]].
609. “Branching Fraction Measurements of the Color-Suppressed Decays B_0 bar to $D^{(*)0} \pi^0$, $D^{(*)0} \eta$, $D^{(*)0} \omega$, and $D^{(*)0} \eta'$ and Measurement of the Polarization in the Decay B_0 bar to $D^{*0} \omega$,” [The BABAR Collaboration], Phys. Rev. D **84** (2011) 112007, [arXiv:1107.5751 [hep-ex]].

610. “Observation of the baryonic B decay $\bar{B}^0 \rightarrow \Lambda_c^+ \Lambda \bar{K}^-$,” [BABAR Collaboration], Phys. Rev. D **84** (2011) 071102, [arXiv:1108.3211 [hep-ex]].
611. “Search for hadronic decays of a light Higgs boson in the radiative decay $Upsilon \rightarrow \gamma A_0$,” [BABAR Collaboration], Phys. Rev. Lett. **107** (2011) 221803, [arXiv:1108.3549 [hep-ex]].
612. “Study of $Upsilon(3S,2S) \rightarrow \eta Upsilon(1S)$ and $Upsilon(3S,2S) \rightarrow \pi^+\pi^- Upsilon(1S)$ hadronic transitions,” [BABAR Collaboration], Phys. Rev. D **84** (2011) 092003, [arXiv:1108.5874 [hep-ex]].
613. “Observation of the rare decay $B^+ \rightarrow K^+\pi^0\pi^0$ and measurement of the quasi-two body contributions $B^+ \rightarrow K^*(892)^+\pi^0$, $B^+ \rightarrow f_0(980)K^+$ and $B^+ \rightarrow \chi_{c0} K^+$,” [BaBar Collaboration], Phys. Rev. D **84** (2011) 092007.
614. “Search for CP Violation in the Decay $\tau^- \rightarrow \pi^- K_S^0(\pi^0)\nu_\tau$,” [BABAR Collaboration], Phys. Rev. D **85** (2012) 031102, [Erratum-ibid. D **85** (2012) 099904.]
615. “Cross Sections for the Reactions $e^+e^- \rightarrow K^+ K^- \pi^+\pi^-$, $K^+ K^- \pi^0\pi^0$, and $K^+ K^- K^+ K^-$ Measured Using Initial-State Radiation Events”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 012008.
616. “Search for the Decay $D^{0-} \rightarrow \gamma\gamma$ and Measurement of the Branching Fraction for $D^{0-} \rightarrow \pi^0\pi^0$ ”, [BaBar Collaboration], Phys. Rev. D **85** (2012) 091107.
617. “Observation and study of the baryonic B-meson decays $B \rightarrow D^{(*)} p \bar{p}$ (π) (π)”, [BaBar Collaboration], Phys. Rev. D **85** (2012) 092017.
618. “Amplitude analysis and measurement of the time-dependent CP asymmetry of $B^0 \rightarrow K_S^0 K_S^0 K_S^0$ decays”, [BaBar Collaboration], Phys. Rev. D **85** (2012) 054023.
619. “ B^0 meson decays to $\rho^0 K^{*0}$, $f_0 K^{*0}$, and $\rho^- K^{*+}$, including higher K^* resonances”, [BaBar Collaboration], Phys. Rev. D **85** (2012) 072005.
620. “Study of $\bar{B} \rightarrow X_u \ell \bar{\nu}$ decays in $B\bar{B}$ events tagged by a fully reconstructed B-meson decay and determination of $\|V_{ub}\|$ ”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 032004.
621. “A Measurement of the Semileptonic Branching Fraction of the B_s Meson,” [The BaBar Collaboration], Phys. Rev. D **85** (2012) 011101.
622. “Study of CP violation in Dalitz-plot analyses of $B^0 \rightarrow K^+K^-K^0(S)$, $B^+ \rightarrow K^+K^-K^+$, and $B^+ \rightarrow K^0(S)K^0(S)K^+$ ”, [BaBar Collaboration], Phys. Rev. D **85** (2012) 112010.
623. “Initial-State Radiation Measurement of the $e^+e^- \rightarrow \pi^+\pi^-\pi^+\pi^-$ Cross Section”, [BaBar Collaboration], Phys. Rev. D **85** (2012) 112009.
624. “Search for $\bar{B} \rightarrow \Lambda_c^+ X \ell^- \nu$ Decays in Events With a Fully Reconstructed B Meson,” [The BABAR Collaboration], Phys. Rev. D **85** (2012) 011102.
625. “Search for lepton-number violating processes in $B^+ \rightarrow h^- l^+ l^+$ decays”, [BaBar Collaboration], Phys. Rev. D **85** (2012) 071103.
626. “Search for Low-Mass Dark-Sector Higgs Bosons”, [BaBar Collaboration], Phys. Rev. Lett. **108** (2012) 211801.

627. “A search for the decay modes $B^{+-} \rightarrow h^{+-}\tau^{+}l^{-}$ ”, [Babar Collaboration], Phys. Rev. D **86** (2012) 012004.
628. “Measurement of Branching Fractions and Rate Asymmetries in the Rare Decays $B \rightarrow K^{(*)}l^{+}l^{-}$ ”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 032012.
629. “Study of the reaction $e^{+}e^{-} \rightarrow J/\psi\pi^{+}\pi^{-}$ via initial-state radiation at BaBar”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 051102.
630. “Search for the $Z_1(4050)^{+}$ and $Z_2(4250)^{+}$ states in $\bar{B}^0 \rightarrow \chi_{c1}K^{-}\pi^{+}$ and $B^{+} \rightarrow \chi_{c1}K_S^0\pi^{+}$,” [The BABAR Collaboration], Phys. Rev. D **85** (2012) 052003.
631. “Branching fraction measurement of $B \rightarrow \omega\ell\nu$ decays”, [BaBar Collaboration], Phys. Rev. D **87** (2012) 032004.
632. “Evidence for an excess of $\bar{B} \rightarrow D^{(*)}\tau^{-}\bar{\nu}_{\tau}$ decays”, [BaBar Collaboration], Phys. Rev. Lett. **109** (2012) 101802.
633. “Precise Measurement of the $e^{+}e^{-} \rightarrow \pi^{+}\pi^{-}(\gamma)$ Cross Section with the Initial-State Radiation Method at BABAR”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 032013.
634. “Search for the decay modes $D^0 \rightarrow e^{+}e^{-}$, $D^0 \rightarrow \mu^{+}\mu^{-}$, and $D^0 \rightarrow e\mu$ ”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 032001.
635. “Improved Limits on B^0 Decays to Invisible Final States and to $\nu\bar{\nu}\gamma$ ”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 051105.
636. “Search for resonances decaying to $\eta_c\pi^{+}\pi^{-}$ in two-photon interactions”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 092005.
637. “Observation of Time Reversal Violation in the B^0 Meson System”, [BaBar Collaboration], Phys. Rev. Lett. **109** (2012) 211801.
638. “Measurement of $B(B \rightarrow X_s\gamma)$, the $B \rightarrow X_s\gamma$ photon energy spectrum, and the direct CP asymmetry in $B \rightarrow X_{s+d}\gamma$ decays”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 112008.
639. “Precision Measurement of the $B \rightarrow X_s\gamma$ Photon Energy Spectrum, Branching Fraction, and Direct CP Asymmetry $A_{CP}(B \rightarrow X_{s+d}\gamma)$ ”, [BaBar Collaboration], Phys. Rev. Lett. **109** (2012) 191801.
640. “Study of $X(3915) \rightarrow J/\psi\omega$ in two-photon collisions”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 072002.
641. “Exclusive Measurements of $b \rightarrow s\gamma$ Transition Rate and Photon Energy Spectrum”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 052012.
642. “The branching fraction of $\tau^{-} \rightarrow \pi^{-}K_S^0K_S^0(\pi^0)\nu_{\tau}$ decays”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 092013.
643. “Search for CP violation in the Decays $D^{\pm} \rightarrow K_S^0K^{\pm}$, $D_s^{\pm} \rightarrow K_S^0K^{\pm}$, and $D_s^{\pm} \rightarrow K_S^0\pi^{\pm}$ ”, [The BaBar Collaboration], Phys. Rev. D **87** (2012) 052012.
644. “Search for direct CP-violation in singly-Cabibbo suppressed $D^{\pm} \rightarrow K^{+}K^{-}\pi^{\pm}$ decays”, [The BaBar Collaboration], Phys. Rev. D **87** (2012) 052010.

645. “Study of high-multiplicity 3-prong and 5-prong tau decays at BABAR”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 092010.
646. “Study of the baryonic B decay $B^- \rightarrow \Sigma_c^{++} \bar{p} \pi^- \pi^-$ ”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 091102.
647. “Branching fraction and form-factor shape measurements of exclusive charmless semileptonic B decays, and determination of $|V_{ub}|$ ”, [BaBar Collaboration], Phys. Rev. D **86** (2012) 092004.
648. “Search for di-muon decays of a low-mass Higgs boson in radiative decays of the $\Upsilon(1S)$ ”, [The BaBar Collaboration], Phys. Rev. D **87** (2013) 031102.
649. “Measurement of $D^0 - \bar{D}^0$ Mixing and CP Violation in Two-Body D^0 Decays”, [The BaBar Collaboration], Phys. Rev. D **87** (2013) 012004.
650. “LIGO: The Laser Interferometer Gravitational-Wave Observatory,” [LIGO Scientific Collab.], Rep. Prog. Phys. **72**, 076901 (2009) [arXiv:0711.3041].
651. “All-sky LIGO Search for Periodic Gravitational Waves in the Early S5 Data,” [LIGO Scientific Collab.], Phys. Rev. Lett. **102** 111102 (2009) [arXiv:0810.0283].
652. “Search for Gravitational Waves from Low Mass Binary Coalescences in the First Year of LIGO’s S5 Data,” [LIGO Scientific Collab.], Phys. Rev. D **79**, 122001 (2009) [arXiv:0901.0302].
653. “First LIGO search for gravitational wave bursts from cosmic (super)strings,” [LIGO Scientific Collab.], Phys. Rev. D **80**, 062002 (2009) [arXiv:0904.4718].
654. “Search for gravitational-wave bursts in the first year of the fifth LIGO science run,” [LIGO Scientific Collab.], Phys. Rev. D **80**, 102001 (2009) [arXiv:0905.0020].
655. “Stacked Search for Gravitational Waves from the 2006 SGR 1900+14 Storm,” [LIGO Scientific Collab.], Astrophys. J. **701**, L68 (2009) [arXiv:0905.0005].
656. “Search for High Frequency Gravitational Wave Bursts in the First Calendar Year of LIGO’s Fifth Science Run,” [LIGO Scientific Collab.], Phys. Rev. D **80**, 102002 (2009) [arXiv:0904.4910].
657. “Einstein@Home search for periodic gravitational waves in early S5 LIGO data,” [LIGO Scientific Collab.], Phys. Rev. D **80**, 042003 (2009) [arXiv:0905.1705].
658. “Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data,” [LIGO Scientific Collab.], Phys. Rev. D **80**, 062001 (2009) [arXiv:0905.1654].
659. “Search for Gravitational Waves from Low Mass Compact Binary Coalescence in 186 Days of LIGO’s fifth Science Run,” [LIGO Scientific Collab.], Phys. Rev. D **80**, 047101 (2009) [arXiv:0905.3710].
660. “Observation of a kilogram-scale oscillator near its quantum ground state,” [LIGO Scientific Collab.], New J. Phys. **11**, 073032 (2009).
661. “An upper limit on the stochastic gravitational-wave background of cosmological origin,” [LIGO Scientific Collab. and Virgo Collab.], Nature **460** 990 (2009) [arXiv:0910.5772].

662. I Leonor, P J Sutton, R Frey, G Jones, S Marka and Z Marka, “Estimating detection rates for the LIGO-Virgo search for gravitational-wave burst counterparts to gamma-ray bursts using inferred local GRB rates,” *Class. Quantum Grav.* **26**, 204017 (2009).
663. “Searches for gravitational waves from known pulsars with S5 LIGO data,” [LIGO Scientific Collab. and Virgo Collab.], *Astrophys. J.* **713**, 671 (2010) [arXiv:0909.3583].
664. “Search for gravitational-wave bursts associated with gamma-ray bursts using data from LIGO Science Run 5 and Virgo Science Run 1,” [LIGO Scientific Collab. and Virgo Collab.], *Astrophys. J.* **715** (2010) 1438 [arXiv:0908.3824].
665. “Calibration of the LIGO Gravitational Wave Detectors in the Fifth Science Run,” [LIGO Scientific Collab.], *Nucl. Instrum. Meth. A* **624** (2010) 223 [arXiv:1007.3973].
666. I. Leonor, L. Cadonati, E. Coccia, S. D’Antonio, A. Di Credico, V. Fafone, R. Frey, W. Fulgione, E. Katsavounidis, C. D. Ott, G. Pagliaroli, K. Scholberg, E. Thrane, F. Vissani, “Searching for prompt signatures of nearby core-collapse supernovae by a joint analysis of neutrino and gravitational-wave data,” *Class. Quant. Grav.* **27**, 084019 (2010) [arXiv:1002:1511].
667. “First search for gravitational waves from the youngest known neutron star,” [LIGO Scientific Collab.], *Astrophys. J.* **722** (2010) 1504 [arXiv:1006.2535].
668. “Sensitivity to Gravitational Waves from Compact Binary Coalescences Achieved during LIGO’s Fifth and Virgo’s First Science Run,” [LIGO Scientific Collab. and Virgo Collab.], arXiv:1003.2481.
669. “Predictions for the Rates of Compact Binary Coalescences Observable by Ground-based Gravitational-wave Detectors,” [LIGO Scientific Collab. and Virgo Collab.], *Class. Quant. Grav.* **27** (2010) 173001 [arXiv:1003.2480].
670. “Search for Gravitational Waves from Compact Binary Coalescence in LIGO and Virgo Data from S5 and VSR1,” [LIGO Scientific Collab. and Virgo Collab.], *Phys. Rev. D* **82** (2010) 102001 [arXiv:1005.4655].
671. “All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run,” [LIGO Scientific Collab. and Virgo Collab.], *Phys. Rev. D* **81** (2010) 102001 [arXiv:1002.1036].
672. “Search for gravitational-wave inspiral signals associated with short Gamma-Ray Bursts during LIGO’s fifth and Virgo’s first science run,” [LIGO Scientific Collab. and Virgo Collab.], *Astrophys. J.* **715** (2010) 1453 [arXiv:1001.0165].
673. “Searching for prompt signatures of nearby core-collapse supernovae by a joint analysis of neutrino and gravitational-wave data,” I. Leonor *et al.*, *Class. Quant. Grav.* **27** (2010) 084019 [arXiv:1002.1511 [astro-ph.IM]]
674. “A search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar,” [LIGO Scientific Collab.], *Phys. Rev. D* **83** (2011) 042001 [arXiv:1011.1357].
675. “Search for Gravitational Wave Bursts from Six Magnetars,” [LIGO Scientific Collab. and Virgo Collab.], *Astrophys. J.* **734** (2011) L35, [arXiv:1011.4079 [astro-ph.HE]].

676. “Search for gravitational waves from binary black hole inspiral, merger and ringdown,” [The LIGO Scientific Collaboration and the Virgo Collaboration], *Phys. Rev. D* **83** (2011) 122005, [arXiv:1102.3781 [gr-qc]].
677. “Beating the spin-down limit on gravitational wave emission from the Vela pulsar,” [The LIGO Scientific Collaboration and the Virgo Collaboration], *Astrophys. J.* **737** (2011) 93, [arXiv:1104.2712 [astro-ph.HE]].
678. “Directional limits on persistent gravitational waves using LIGO S5 science data,” [LIGO Scientific Collab.], *Phys. Rev. Lett.* **107** (2011) 271102, [arXiv:1109.1809 [astro-ph.CO]].
679. “Gold-stud bump bonding for HEP applications,” S. M. Tripathi *et al.*, *JINST* **5** (2010) C08005,
680. “Development of Readout Interconnections for the Si-W Calorimeter of SiD,” M. Woods *et al.*, *JINST* **6** (2011) C12050, [arXiv:1110.6924 [physics.ins-det]].
681. “A silicon-tungsten electromagnetic calorimeter with integrated electronics for the International Linear Collider,” J. Brau, M. Breidenbach, R. Frey, D. Freytag, C. Gallagher, N. Graf, G. Haller and R. Herbst *et al.*, *J. Phys. Conf. Ser.* **404** (2012) 012067.
682. “Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts,” [The LIGO Scientific Collaboration and Virgo Collaboration], *Astron Astrophys* **539** (2012) A124, arXiv:1109.3498 [astro-ph.IM].
683. “All-sky Search for Periodic Gravitational Waves in the Full S5 LIGO Data,” [The LIGO Scientific Collaboration and the Virgo Collaboration], *Phys. Rev. D* **85** (2012) 022001, [arXiv:1110.0208 [gr-qc]].
684. “Search for gravitational waves associated with gamma-ray bursts during LIGO science run 6 and Virgo science runs 2 and 3”, [The LIGO Scientific Collaboration and the Virgo Collaboration], *Astrophys. J.* **760** (2012) 12.
685. “Swift follow-up observations of candidate gravitational-wave transient events”, [The LIGO Scientific Collaboration and the Virgo Collaboration], *Astrophys. J. Suppl.* **203** (2012) 28.
686. “All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run”, [The LIGO Scientific Collaboration and the Virgo Collaboration], *Phys. Rev. D* **85** (2012) 122007.
687. “Search for Gravitational Waves from Intermediate Mass Binary Black Holes”, [The LIGO Scientific Collaboration and the Virgo Collaboration], *Phys. Rev. D* **85** (2012) 102004.
688. “Implications For The Origin Of GRB 051103 From LIGO Observations”, [The LIGO Scientific Collaboration], *Astrophys. J.* **755** (2012) 2.
689. “Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600-1000 Hz”, [The LIGO Scientific Collaboration and the Virgo Collaboration], *Phys. Rev. D* **85** (2012) 122001.
690. “Search for Gravitational Waves from Low Mass Compact Binary Coalescence in LIGO’s Sixth Science Run and Virgo’s Science Runs 2 and 3”, [The LIGO Scientific Collaboration and the Virgo Collaboration], *Phys. Rev. D* **85** (2012) 082002.

691. “The characterization of Virgo data and its impact on gravitational-wave searches”, [The LIGO Scientific Collaboration and the Virgo Collaboration], *Class. Quant. Grav.* **29** (2012) 155002.
692. “First Low-Latency LIGO+Virgo Search for Binary Inspirals and their Electromagnetic Counterparts”, [The LIGO Scientific Collaboration and the Virgo Collaboration], *Astron. Astrophys.* **541** (2012) A155.
693. “Recent searches for gravitational-wave bursts associated with magnetar flares with LIGO, GEO, and Virgo”, R. Frey, on behalf of the LIGO Scientific and Virgo Collaborations, *J. Phys. Conf. Ser.* **363** (2012) 012026.
694. “Search for Gravitational Waves from Binary Black Hole Inspiral, Merger and Ringdown in LIGO-Virgo Data from 2009-2010”, [The LIGO Scientific Collaboration and the Virgo Collaboration], *Phys. Rev. D* **87** (2013) **022002**; [*Phys. Rev. D* **87** (2013) 022002 (2013)].
695. “Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data”, [The LIGO Scientific Collaboration and the Virgo Collaboration], *Phys. Rev. D* **87** (2013) 042001.
696. “A First Search for coincident Gravitational Waves and High Energy Neutrinos using LIGO, Virgo and ANTARES data from 2007”, [The ANTARES, LIGO Scientific and Virgo Collaborations], *JCAP* **1306** (2013) 008.
697. “Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light”, [The LIGO Scientific Collaboration], *Nature Photonics* **7** (2013) 613.
698. “Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network,” [The LIGO Scientific Collaboration and the Virgo Collaboration], *Phys. Rev. D* **88** (2013) 062001.
699. “A directed search for continuous Gravitational Waves from the Galactic Center,” [The LIGO Scientific Collaboration and the Virgo Collaboration], *Phys. Rev. D* **88** (2013) 102002.
700. “Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts,” [The LIGO Scientific Collaboration and the Virgo Collaboration], *Phys. Rev. D* **88** (2013) 122004.
701. “The Physics of the B Factories,” [BaBar and Belle Collaborations], *Eur. Phys. J. C* **74** (2014) 3026 (2014)
702. “Measurements of direct CP asymmetries in B decays using sum of exclusive decays,” [BaBar Collaboration], *Phys. Rev. D* **90** (2014) 092001.
703. “Evidence for the baryonic decay $\bar{B}^0 \rightarrow D^0 \Lambda \bar{\Lambda}$,” [BaBar Collaboration], *Phys. Rev. D* **89** (2014) 112002.
704. “Study of the reaction $e^+e^- \rightarrow \psi(2S)\pi^-\pi^-$ via initial-state radiation at BaBar,” [BaBar Collaboration], *Phys. Rev. D* **89** (2014) 111103.
705. “Multivariate Regression Analysis of Gravitational Waves from Rotating Core Collapse,” W. J. Engels, R. Frey and C. D. Ott, *Phys. Rev. D* **90** (2014) 124026.

706. “Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data,” [The LIGO Scientific and Virgo Collaborations], Phys. Rev. D **91** (2015) 022004.
707. “Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors,” [The LIGO Scientific and Virgo Collaborations], Phys. Rev. D **91** (2015) 022003.
708. “Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube,” [The IceCube, LIGO Scientific, and Virgo Collaborations], Phys. Rev. D **90** (2014) 102002.
709. “Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009 and 2010 LIGO and Virgo Data,” [The LIGO Scientific and Virgo Collaborations], Phys. Rev. Lett. **113** (2014) 231101.
710. “First all-sky search for continuous gravitational waves from unknown sources in binary systems,” [The LIGO Scientific and Virgo Collaborations], Phys. Rev. D **90** (2014) 062010.
711. “Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO600, LIGO, and Virgo detectors,” [The LIGO Scientific and Virgo Collaborations], Phys. Rev. D **89** (2014) 122004.
712. “Search for gravitational radiation from intermediate mass black hole binaries in data from the second LIGO-Virgo joint science run,” [The LIGO Scientific and Virgo Collaborations], Phys. Rev. D **89** (2014) 122003.
713. “Search for gravitational waves associated with γ -ray bursts detected by the Interplanetary Network,” [The LIGO Scientific, Virgo, and IPN Collaborations], Phys. Rev. Lett. **113** (2014) 011102.
714. “Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005-2010,” [The LIGO Scientific and Virgo Collaborations], Phys. Rev. D **89** (2014) 102006.
715. “Implementation of an \mathcal{F} -statistic all-sky search for continuous gravitational waves in Virgo VSR1 data,” [The LIGO Scientific and Virgo Collaborations], Class. Quant. Grav. **31** (2014) 165014.
716. “The NINJA-2 project: Detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations,” [The LIGO Scientific, Virgo, and NINJA-2 Collaborations], Class. Quant. Grav. **31** (2014) 115004.
717. “Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors,” [LIGO Scientific and VIRGO Collaborations], Phys. Rev. D **91** (2015) no.2, 022003.
718. “Characterization of the LIGO detectors during their sixth science run,” [LIGO Scientific and VIRGO Collaborations], Class. Quant. Grav. **32** (2015) no.11, 115012.
719. “Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data,” [LIGO Scientific and VIRGO Collaborations], Phys. Rev. D **91** (2015) no.2, 022004.

720. “Directed search for gravitational waves from Scorpius X-1 with initial LIGO data,” [LIGO Scientific and VIRGO Collaborations], *Phys. Rev. D* **91** (2015) no.6, 062008.
721. “Searches for continuous gravitational waves from nine young supernova remnants,” [LIGO and VIRGO Collaborations], *Astrophys. J.* **813** (2015) no.1, 39.
722. “Advanced LIGO,” [The LIGO Scientific Collaboration], *Class. Quant. Grav.* **32** (2015) 074001.
723. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Observation of Gravitational Waves from a Binary Black Hole Merger,” *Phys. Rev. Lett.* **116**, no. 6, 061102 (2016); doi:10.1103/PhysRevLett.116.061102; [arXiv:1602.03837 [gr-qc]].
724. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “GW150914: The Advanced LIGO Detectors in the Era of First Discoveries,” *Phys. Rev. Lett.* **116**, no. 13, 131103 (2016); doi:10.1103/PhysRevLett.116.131103; [arXiv:1602.03838 [gr-qc]].
725. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “GW150914: First results from the search for binary black hole coalescence with Advanced LIGO,” *Phys. Rev. D* **93**, no. 12, 122003 (2016); doi:10.1103/PhysRevD.93.122003; [arXiv:1602.03839 [gr-qc]].
726. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Properties of the Binary Black Hole Merger GW150914,” *Phys. Rev. Lett.* **116**, no. 24, 241102 (2016); doi:10.1103/PhysRevLett.116.241102; [arXiv:1602.03840 [gr-qc]].
727. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “The Rate of Binary Black Hole Mergers Inferred from Advanced LIGO Observations Surrounding GW150914,” *Astrophys. J.* **833**, 1 (2016); doi:10.3847/2041-8205/833/1/L1; [arXiv:1602.03842 [astro-ph.HE]].
728. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Observing gravitational-wave transient GW150914 with minimal assumptions,” *Phys. Rev. D* **93**, no. 12, 122004 (2016); Addendum: [*Phys. Rev. D* **94**, no. 6, 069903 (2016)]; doi:10.1103/PhysRevD.94.069903, 10.1103/PhysRevD.93.122004; [arXiv:1602.03843 [gr-qc]].
729. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914,” *Class. Quant. Grav.* **33**, no. 13, 134001 (2016); doi:10.1088/0264-9381/33/13/134001; [arXiv:1602.03844 [gr-qc]].
730. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Astrophysical Implications of the Binary Black-Hole Merger GW150914,” *Astrophys. J.* **818**, no. 2, L22 (2016); doi:10.3847/2041-8205/818/2/L22; [arXiv:1602.03846 [astro-ph.HE]].
731. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “GW150914: Implications for the stochastic gravitational wave background from binary black holes,” *Phys. Rev. Lett.* **116**, no. 13, 131102 (2016); doi:10.1103/PhysRevLett.116.131102; [arXiv:1602.03847 [gr-qc]].
732. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Tests of general relativity with GW150914,” *Phys. Rev. Lett.* **116**, no. 22, 221101 (2016); doi:10.1103/PhysRevLett.116.221101; [arXiv:1602.03841 [gr-qc]].

733. S. Adrian-Martinez *et al.* [ANTARES and IceCube and LIGO Scientific and Virgo Collaborations], “High-energy Neutrino follow-up search of Gravitational Wave Event GW150914 with ANTARES and IceCube,” *Phys. Rev. D* **93**, no. 12, 122010 (2016); doi:10.1103/PhysRevD.93.122010; [arXiv:1602.05411 [astro-ph.HE]].
734. B. P. Abbott *et al.* [LIGO Scientific and Virgo and ASKAP and BOOTES and DES and DEC and Fermi GBM and Fermi-LAT and GRAWITA and INTEGRAL and iPTF and InterPlanetary Network and J-GEM and La Silla-QUEST Survey and Liverpool Telescope and LOFAR and MASTER and MAXI and MWA and Pan-STARRS and PESSTO and Pi of the Sky and SkyMapper and Swift and C2PU and TOROS and VISTA Collaborations], “Localization and broadband follow-up of the gravitational-wave transient GW150914,” *Astrophys. J.* **826**, no. 1, L13 (2016); doi:10.3847/2041-8205/826/1/L13; [arXiv:1602.08492 [astro-ph.HE]].
735. D. V. Martynov *et al.* [LIGO Scientific Collaboration], “Sensitivity of the Advanced LIGO detectors at the beginning of gravitational wave astronomy,” *Phys. Rev. D* **93**, no. 11, 112004 (2016); doi:10.1103/PhysRevD.93.112004; [arXiv:1604.00439 [astro-ph.IM]].
736. B. P. Abbott *et al.* [LIGO Scientific and Virgo and ASKAP and BOOTES and DES and DEC and Fermi-GBM and Fermi-LAT and GRAWITA and INTEGRAL and iPTF and InterPlanetary Network and J-GEM and La Silla-QUEST Survey and Liverpool Telescope and LOFAR and MASTER and MAXI and MWA and Pan-STARRS and PESSTO and Pi of the Sky and SkyMapper and Swift and TAROT and Zadko and Algerian National Observatory and C2PU and TOROS and VISTA Collaborations], “Supplement: Localization and broadband follow-up of the gravitational-wave transient GW150914,” *Astrophys. J. Suppl.* **225**, no. 1, 8 (2016); doi:10.3847/0067-0049/225/1/8; [arXiv:1604.07864 [astro-ph.HE]].
737. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Search for transient gravitational waves in coincidence with short-duration radio transients during 2007?2013,” *Phys. Rev. D* **93**, no. 12, 122008 (2016); doi:10.1103/PhysRevD.93.122008; [arXiv:1605.01707 [astro-ph.HE]].
738. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “A First Targeted Search for Gravitational-Wave Bursts from Core-Collapse Supernovae in Data of First-Generation Laser Interferometer Detectors,” *Phys. Rev. D* **94**, no. 10, 102001 (2016); doi:10.1103/PhysRevD.94.102001; [arXiv:1605.01785 [gr-qc]].
739. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data,” *Phys. Rev. D* **94**, no. 4, 042002 (2016); doi:10.1103/PhysRevD.94.042002; [arXiv:1605.03233 [gr-qc]].
740. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Improved analysis of GW150914 using a fully spin-precessing waveform Model,” *Phys. Rev. X* **6**, no. 4, 041014 (2016); doi:10.1103/PhysRevX.6.041014; [arXiv:1606.01210 [gr-qc]].
741. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Directly comparing GW150914 with numerical solutions of Einstein’s equations for binary black hole coalescence,” *Phys. Rev. D* **94**, 064035 (2016); doi:10.1103/PhysRevD.94.064035; [arXiv:1606.01262 [gr-qc]].
742. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Supplement: The Rate of Binary Black Hole Mergers Inferred from Advanced LIGO Observations Surrounding GW150914,” *Astrophys. J. Suppl.* **227**, no. 2, 14 (2016); doi:10.3847/0067-0049/227/2/14; [arXiv:1606.03939 [astro-ph.HE]].

743. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence,” *Phys. Rev. Lett.* **116**, no. 24, 241103 (2016); doi:10.1103/PhysRevLett.116.241103; [arXiv:1606.04855 [gr-qc]].
744. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Binary Black Hole Mergers in the first Advanced LIGO Observing Run,” *Phys. Rev. X* **6**, no. 4, 041015 (2016); doi:10.1103/PhysRevX.6.041015; [arXiv:1606.04856 [gr-qc]].
745. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Results of the deepest all-sky survey for continuous gravitational waves on LIGO S6 data running on the Einstein@Home volunteer distributed computing project,” *Phys. Rev. D* **94**, no. 10, 102002 (2016); doi:10.1103/PhysRevD.94.102002; [arXiv:1606.09619 [gr-qc]].
746. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Upper limits on the rates of binary neutron star and neutron-star-black-hole mergers from Advanced LIGO’s first observing run,” *Astrophys. J.* **832**, no. 2, L21 (2016); doi:10.3847/2041-8205/832/2/L21; [arXiv:1607.07456 [astro-ph.HE]].
747. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “The basic physics of the binary black hole merger GW150914,” *Annalen Phys.* (2016) ; doi:10.1002/andp.201600209; [arXiv:1608.01940 [gr-qc]].
748. B. P. Abbott *et al.* [LIGO Scientific and VIRGO Collaborations], “Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo,” *Living Rev. Rel.* **19**, 1 (2016); doi:10.1007/lrr-2016-1; [arXiv:1304.0670 [gr-qc]].
749. J. Aasi *et al.* [LIGO and VIRGO Collaborations], “Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers,” *Phys. Rev. D* **93**, no. 4, 042006 (2016); doi:10.1103/PhysRevD.93.042006; [arXiv:1510.03474 [gr-qc]].
750. J. Aasi *et al.* [LIGO Scientific and VIRGO Collaborations], “First low frequency all-sky search for continuous gravitational wave signals,” *Phys. Rev. D* **93**, no. 4, 042007 (2016); doi:10.1103/PhysRevD.93.042007; [arXiv:1510.03621 [astro-ph.IM]].
751. B. P. Abbott *et al.* [LIGO Scientific and VIRGO Collaborations], “All-sky search for long-duration gravitational wave transients with initial LIGO,” *Phys. Rev. D* **93**, no. 4, 042005 (2016); doi:10.1103/PhysRevD.93.042005; [arXiv:1511.04398 [gr-qc]].
752. B. P. Abbott *et al.* [LIGO Scientific Collaboration], “Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914,” *Phys. Rev. D* **95**, no. 6, 062003 (2017); DOI:10.1103/PhysRevD.95.062003; arXiv:1602.03845 [gr-qc].
753. T. D. Abbott *et al.* [LIGO Scientific and VIRGO Collaborations], “Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544,” *Phys. Rev. D* **95** (2017) no.8, 082005; doi:10.1103/PhysRevD.95.082005; [arXiv:1607.02216 [gr-qc]].
754. B. P. Abbott *et al.* [LIGO Scientific Collaboration], “Exploring the Sensitivity of Next Generation Gravitational Wave Detectors,” *Class. Quant. Grav.* **34** (2017) no.4, 044001; doi:10.1088/1361-6382/aa51f4; [arXiv:1607.08697 [astro-ph.IM]].

755. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “All-sky search for short gravitational-wave bursts in the first Advanced LIGO run,” *Phys. Rev. D* **95** (2017) no.4, 042003; doi:10.1103/PhysRevD.95.042003; [arXiv:1611.02972 [gr-qc]].
756. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Effects of waveform model systematics on the interpretation of GW150914,” *Class. Quant. Grav.* **34** (2017) no.10, 104002; doi:10.1088/1361-6382/aa6854; [arXiv:1611.07531 [gr-qc]].
757. B. P. Abbott *et al.* [LIGO Scientific and Virgo and IPN Collaborations], “Search for Gravitational Waves Associated with Gamma-Ray Bursts During the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B,” *Astrophys. J.* **841** (2017) no.2, 89; doi:10.3847/1538-4357/aa6c47; [arXiv:1611.07947 [astro-ph.HE]].
758. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO’s First Observing Run,” *Phys. Rev. Lett.* **118** (2017) no.12, 121101, Erratum: [*Phys. Rev. Lett.* **119** (2017) no.2, 029901]; doi:10.1103/PhysRevLett.118.121101, 10.1103/PhysRevLett.119.029901; [arXiv:1612.02029 [gr-qc]].
759. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Directional Limits on Persistent Gravitational Waves from Advanced LIGO’s First Observing Run,” *Phys. Rev. Lett.* **118** (2017) no.12, 121102; doi:10.1103/PhysRevLett.118.121102; [arXiv:1612.02030 [gr-qc]].
760. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “First search for gravitational waves from known pulsars with Advanced LIGO,” *Astrophys. J.* **839** (2017) no.1, 12, Erratum: [*Astrophys. J.* **851** (2017) no.1, 71]; doi:10.3847/1538-4357/aa9aee, 10.3847/1538-4357/aa677f; [arXiv:1701.07709 [astro-ph.HE]].
761. A. Albert *et al.* [ANTARES and IceCube and LIGO Scientific and Virgo Collaborations], “Search for High-energy Neutrinos from Gravitational Wave Event GW151226 and Candidate LVT151012 with ANTARES and IceCube,” *Phys. Rev. D* **96** (2017) no.2, 022005; doi:10.1103/PhysRevD.96.022005; [arXiv:1703.06298 [astro-ph.HE]].
762. B. P. Abbott *et al.* [LIGO Scientific and VIRGO Collaborations], “Search for gravitational waves from Scorpius X-1 in the first Advanced LIGO observing run with a hidden Markov model,” *Phys. Rev. D* **95** (2017) no.12, 122003; doi:10.1103/PhysRevD.95.122003; [arXiv:1704.03719 [gr-qc]].
763. R. Quitzow-James *et al.*, “Exploring a search for long-duration transient gravitational waves associated with magnetar bursts,” *Class. Quant. Grav.* **34** (2017) no.16, 164002; doi:10.1088/1361-6382/aa7d5b; [arXiv:1704.03979 [astro-ph.IM]].
764. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO,” *Phys. Rev. D* **96** (2017) no.2, 022001; doi:10.1103/PhysRevD.96.022001; [arXiv:1704.04628 [gr-qc]].
765. B. P. Abbott *et al.* [LIGO Scientific and VIRGO Collaborations], “GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2,” *Phys. Rev. Lett.* **118** (2017) no.22, 221101; doi:10.1103/PhysRevLett.118.221101; [arXiv:1706.01812 [gr-qc]].
766. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-Based Cross-Correlation Search in Advanced

- LIGO Data,” *Astrophys. J.* **847** (2017) no.1, 47; doi:10.3847/1538-4357/aa86f0; [arXiv:1706.03119 [astro-ph.HE]].
767. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “All-sky Search for Periodic Gravitational Waves in the O1 LIGO Data,” *Phys. Rev. D* **96** (2017) no.6, 062002; doi:10.1103/PhysRevD.96.062002; [arXiv:1707.02667 [gr-qc]].
768. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data,” *Phys. Rev. D* **96** (2017) no.12, 122004; doi:10.1103/PhysRevD.96.122004; [arXiv:1707.02669 [gr-qc]].
769. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “First search for nontensorial gravitational waves from known pulsars,” *Phys. Rev. Lett.* **120** (2018) no.3, 031104; doi:10.1103/PhysRevLett.120.031104; [arXiv:1709.09203 [gr-qc]].
770. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence,” *Phys. Rev. Lett.* **119** (2017) no.14, 141101; doi:10.1103/PhysRevLett.119.141101; [arXiv:1709.09660 [gr-qc]].
771. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data,” *Phys. Rev. D* **96** (2017) no.12, 122006; doi:10.1103/PhysRevD.96.122006; [arXiv:1710.02327 [gr-qc]].
772. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral,” *Phys. Rev. Lett.* **119** (2017) no.16, 161101; doi:10.1103/PhysRevLett.119.161101; [arXiv:1710.05832 [gr-qc]].
773. B. P. Abbott *et al.* [LIGO Scientific and Virgo and Fermi GBM and INTEGRAL and IceCube and IPN and Insight-Hxmt and ANTARES and Swift and Dark Energy Camera GW-EM and Dark Energy Survey and DLT40 and GRAWITA and Fermi-LAT and ATCA and ASKAP and OzGrav and DWF (Deeper Wider Faster Program) and AST3 and CAASTRO and VINROUGE and MASTER and J-GEM and GROWTH and JAGWAR and CaltechNRAO and TTU-NRAO and NuSTAR and Pan-STARRS and KU and Nordic Optical Telescope and ePESSTO and GROND and Texas Tech University and TOROS and BOOTES and MWA and CALET and IKI-GW Follow-up and H.E.S.S. and LOFAR and LWA and HAWC and Pierre Auger and ALMA and Pi of Sky and DFN and ATLAS Telescopes and High Time Resolution Universe Survey and RIMAS and RATIR and SKA South Africa/MeerKAT Collaborations and AstroSat Cadmium Zinc Telluride Imager Team and AGILE Team and 1M2H Team and Las Cumbres Observatory Group and MAXI Team and TZAC Consortium and SALT Group and Euro VLBI Team and Chandra Team at McGill University], “Multi-messenger Observations of a Binary Neutron Star Merger,” *Astrophys. J.* **848** (2017) no.2, L12; doi:10.3847/2041-8213/aa91c9; [arXiv:1710.05833 [astro-ph.HE]].
774. B. P. Abbott *et al.* [LIGO Scientific and Virgo and Fermi-GBM and INTEGRAL Collaborations], “Gravitational Waves and Gamma-rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A,” *Astrophys. J.* **848** (2017) no.2, L13; doi:10.3847/2041-8213/aa920c; [arXiv:1710.05834 [astro-ph.HE]].
775. B. P. Abbott *et al.* [LIGO Scientific and Virgo and 1M2H and Dark Energy Camera GW-E and DES and DLT40 and Las Cumbres Observatory and VINROUGE and MASTER

- Collaborations], “A gravitational-wave standard siren measurement of the Hubble constant,” *Nature* **551** (2017) no.7678, 85; doi:10.1038/nature24471; [arXiv:1710.05835 [astro-ph.CO]].
776. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817,” *Astrophys. J.* **850** (2017) no.2, L39; doi:10.3847/2041-8213/aa9478; [arXiv:1710.05836 [astro-ph.HE]].
777. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “On the Progenitor of Binary Neutron Star Merger GW170817,” *Astrophys. J.* **850** (2017) no.2, L40; doi:10.3847/2041-8213/aa93fc; [arXiv:1710.05838 [astro-ph.HE]].
778. A. Albert *et al.* [ANTARES and IceCube and Pierre Auger and LIGO Scientific and Virgo Collaborations], “Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory,” *Astrophys. J.* **850** (2017) no.2, L35; doi:10.3847/2041-8213/aa9aed; [arXiv:1710.05839 [astro-ph.HE]].
779. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817,” *Astrophys. J.* **851** (2017) no.1, L16; doi:10.3847/2041-8213/aa9a35; [arXiv:1710.09320 [astro-ph.HE]].
780. B. . P. .Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “GW170608: Observation of a 19-solar-mass Binary Black Hole Coalescence,” *Astrophys. J.* **851** (2017) no.2, L35; doi:10.3847/2041-8213/aa9f0c; [arXiv:1711.05578 [astro-ph.HE]].
781. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGO’s first observing run,” *Class. Quant. Grav.* **35**, no. 6, 065010 (2018) doi:10.1088/1361-6382/aaaafa [arXiv:1710.02185 [gr-qc]].
782. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “First search for nontensorial gravitational waves from known pulsars,” *Phys. Rev. Lett.* **120**, no. 3, 031104 (2018) doi:10.1103/PhysRevLett.120.031104 [arXiv:1709.09203 [gr-qc]].
783. B. P. Abbott *et al.* [LIGO Scientific and VIRGO Collaborations], “GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2,” *Phys. Rev. Lett.* **118**, no. 22, 221101 (2017) Erratum: [*Phys. Rev. Lett.* **121**, no. 12, 129901 (2018)] doi:10.1103/PhysRevLett.118.221101, 10.1103/PhysRevLett.121.129901 [arXiv:1706.01812 [gr-qc]].
784. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run,” *Class. Quant. Grav.* **35**, no. 6, 065009 (2018) doi:10.1088/1361-6382/aaab76 [arXiv:1711.06843 [gr-qc]].
785. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences,” *Phys. Rev. Lett.* **120**, no. 9, 091101 (2018) doi:10.1103/PhysRevLett.120.091101 [arXiv:1710.05837 [gr-qc]].
786. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data,” *Phys.*

- Rev. D **96**, no. 12, 122006 (2017) Erratum: [Phys. Rev. D **97**, no. 12, 129903 (2018)] doi:10.1103/PhysRevD.96.122006, 10.1103/PhysRevD.97.129903 [arXiv:1710.02327 [gr-qc]].
787. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Full Band All-sky Search for Periodic Gravitational Waves in the O1 LIGO Data,” Phys. Rev. D **97**, no. 10, 102003 (2018) doi:10.1103/PhysRevD.97.102003 [arXiv:1802.05241 [gr-qc]].
788. P. B. Covas *et al.* [LSC Collaboration], “Identification and mitigation of narrow spectral artifacts that degrade searches for persistent gravitational waves in the first two observing runs of Advanced LIGO,” Phys. Rev. D **97**, no. 8, 082002 (2018) doi:10.1103/PhysRevD.97.082002 [arXiv:1801.07204 [astro-ph.IM]].
789. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Constraints on cosmic strings using data from the first Advanced LIGO observing run,” Phys. Rev. D **97**, no. 10, 102002 (2018) doi:10.1103/PhysRevD.97.102002 [arXiv:1712.01168 [gr-qc]].
790. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “GW170817: Measurements of neutron star radii and equation of state,” Phys. Rev. Lett. **121**, no. 16, 161101 (2018) doi:10.1103/PhysRevLett.121.161101 [arXiv:1805.11581 [gr-qc]].
791. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background,” Phys. Rev. Lett. **120**, no. 20, 201102 (2018) doi:10.1103/PhysRevLett.120.201102 [arXiv:1802.10194 [gr-qc]].
792. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Search for Subsolar-Mass Ultracompact Binaries in Advanced LIGO’s First Observing Run,” Phys. Rev. Lett. **121**, no. 23, 231103 (2018) doi:10.1103/PhysRevLett.121.231103 [arXiv:1808.04771 [astro-ph.CO]].
793. J. Barkeloo *et al.*, “A silicon-tungsten electromagnetic calorimeter with integrated electronics for the International Linear Collider,” J. Phys. Conf. Ser. **1162** (2019) no.1, 012016. doi:10.1088/1742-6596/1162/1/012016
794. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Properties of the binary neutron star merger GW170817,” Phys. Rev. X **9**, no. 1, 011001 (2019) doi:10.1103/PhysRevX.9.011001 [arXiv:1805.11579 [gr-qc]].
795. A. Albert *et al.* [ANTARES and IceCube and LIGO and Virgo Collaborations], “Search for Multi-messenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during its first Observing Run, ANTARES and IceCube,” Astrophys. J. **870**, no. 2, 134 (2019) doi:10.3847/1538-4357/aaf21d [arXiv:1810.10693 [astro-ph.HE]].
796. B. P. Abbott *et al.* [LIGO Scientific and Virgo and IPN Collaborations], “Search for gravitational-wave signals associated with gamma-ray bursts during the second observing run of Advanced LIGO and Advanced Virgo,” Astrophys. J. **886** (2019) 75 doi:10.3847/1538-4357/ab4b48 [arXiv:1907.01443 [astro-ph.HE]].
797. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Search for gravitational waves from Scorpius X-1 in the second Advanced LIGO observing run with an improved hidden Markov model,” Phys. Rev. D **100** (2019) no.12, 122002 doi:10.1103/PhysRevD.100.122002 [arXiv:1906.12040 [gr-qc]].

798. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network,” *Phys. Rev. D* **100** (2019) no.6, 064064 doi:10.1103/PhysRevD.100.064064 [arXiv:1906.08000 [gr-qc]].
799. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “All-Sky Search for Short Gravitational-Wave Bursts in the Second Advanced LIGO and Advanced Virgo Run,” *Phys. Rev. D* **100** (2019) no.2, 024017 doi:10.1103/PhysRevD.100.024017 [arXiv:1905.03457 [gr-qc]].
800. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Search for Substellar Mass Ultracompact Binaries in Advanced LIGO’s Second Observing Run,” *Phys. Rev. Lett.* **123** (2019) no.16, 161102 doi:10.1103/PhysRevLett.123.161102 [arXiv:1904.08976 [astro-ph.CO]].
801. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run,” *Phys. Rev. D* **99** (2019) no.10, 104033 doi:10.1103/PhysRevD.99.104033 [arXiv:1903.12015 [gr-qc]].
802. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Directional limits on persistent gravitational waves using data from Advanced LIGO’s first two observing runs,” *Phys. Rev. D* **100** (2019) no.6, 062001 doi:10.1103/PhysRevD.100.062001 [arXiv:1903.08844 [gr-qc]].
803. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Tests of General Relativity with the Binary Black Hole Signals from the LIGO-Virgo Catalog GWTC-1,” *Phys. Rev. D* **100** (2019) no.10, 104036 doi:10.1103/PhysRevD.100.104036 [arXiv:1903.04467 [gr-qc]].
804. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Search for the isotropic stochastic background using data from Advanced LIGO’s second observing run,” *Phys. Rev. D* **100** (2019) no.6, 061101 doi:10.1103/PhysRevD.100.061101 [arXiv:1903.02886 [gr-qc]].
805. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data,” *Phys. Rev. D* **100** (2019) no.2, 024004 doi:10.1103/PhysRevD.100.024004 [arXiv:1903.01901 [astro-ph.HE]].
806. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run,” *Phys. Rev. D* **99** (2019) no.12, 122002 doi:10.1103/PhysRevD.99.122002 [arXiv:1902.08442 [gr-qc]].
807. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO’s Second Observing Run,” *Astrophys. J.* **874** (2019) no.2, 163 doi:10.3847/1538-4357/ab0e15 [arXiv:1902.01557 [astro-ph.HE]].
808. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run,” *Astrophys. J.* **875** (2019) no.2, 161 doi:10.3847/1538-4357/ab0e8f [arXiv:1901.03310 [astro-ph.HE]].
809. M. Soares-Santos *et al.* [DES and LIGO Scientific and Virgo Collaborations], “First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary Black-hole Merger GW170814,” *Astrophys. J.* **876** (2019) no.1, L7 doi:10.3847/2041-8213/ab14f1 [arXiv:1901.01540 [astro-ph.CO]].

810. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO,” *Astrophys. J.* **875** (2019) no.2, 122 doi:10.3847/1538-4357/ab113b [arXiv:1812.11656 [astro-ph.HE]].
811. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo,” *Astrophys. J.* **882** (2019) no.2, L24 doi:10.3847/2041-8213/ab3800 [arXiv:1811.12940 [astro-ph.HE]].
812. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs,” *Phys. Rev. X* **9** (2019) no.3, 031040 doi:10.1103/PhysRevX.9.031040 [arXiv:1811.12907 [astro-ph.HE]].
813. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Tests of General Relativity with GW170817,” *Phys. Rev. Lett.* **123** (2019) no.1, 011102 doi:10.1103/PhysRevLett.123.011102 [arXiv:1811.00364 [gr-qc]].
814. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Search for gravitational waves from a long-lived remnant of the binary neutron star merger GW170817,” *Astrophys. J.* **875** (2019) no.2, 160 doi:10.3847/1538-4357/ab0f3d [arXiv:1810.02581 [gr-qc]].
815. E. Burns *et al.* [LIGO Scientific and Virgo Collaborations and Fermi Gamma-ray Burst Monitor Team], “A Fermi Gamma-ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-Wave Candidates in Advanced LIGO’s First Observing Run,” *Astrophys. J.* **871** (2019) no.1, 90 doi:10.3847/1538-4357/aaf726 [arXiv:1810.02764 [astro-ph.HE]].
816. B. P. Abbott *et al.* [LIGO Scientific and Virgo Collaborations], “Constraining the p - g -Mode Tidal Instability with GW170817,” *Phys. Rev. Lett.* **122** (2019) no.6, 061104 doi:10.1103/PhysRevLett.122.061104 [arXiv:1808.08676 [astro-ph.HE]].
817. J. C. Driggers *et al.* [LIGO Scientific Collaboration], “Improving astrophysical parameter estimation via offline noise subtraction for Advanced LIGO,” *Phys. Rev. D* **99** (2019) no.4, 042001 doi:10.1103/PhysRevD.99.042001 [arXiv:1806.00532 [astro-ph.IM]].
818. V. Roma, J. Powell, I. S. Heng and R. Frey, “Astrophysics with core-collapse supernova gravitational wave signals in the next generation of gravitational wave detectors,” *Phys. Rev. D* **99** (2019) no.6, 063018 doi:10.1103/PhysRevD.99.063018 [arXiv:1901.08692 [astro-ph.IM]].
819. B. P. Abbott *et al.* [LIGO Scientific and Virgo], “Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during their First and Second Observing Runs,” *Astrophys. J.* **883** (2019) no.2, 149 doi:10.3847/1538-4357/ab3c2d [arXiv:1907.09384 [astro-ph.HE]].
820. B. P. Abbott *et al.* [LIGO Scientific and Virgo], “Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015-2017 LIGO Data,” *Astrophys. J.* **879** (2019) no.1, 10 [erratum: *Astrophys. J.* **899** (2020) no.2, 170] doi:10.3847/1538-4357/ab20cb [arXiv:1902.08507 [astro-ph.HE]].

821. B. P. Abbott *et al.* [LIGO Scientific and Virgo], “Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run,” *Astrophys. J.* **875** (2019) no.2, 161 doi:10.3847/1538-4357/ab0e8f [arXiv:1901.03310 [astro-ph.HE]].
822. B. P. Abbott *et al.* [LIGO Scientific and Virgo], “A guide to LIGO–Virgo detector noise and extraction of transient gravitational-wave signals,” *Class. Quant. Grav.* **37** (2020) no.5, 055002 doi:10.1088/1361-6382/ab685e [arXiv:1908.11170 [gr-qc]].
823. B. P. Abbott *et al.* [LIGO Scientific and Virgo], “Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo,” *Phys. Rev. D* **101** (2020) no.8, 084002 doi:10.1103/PhysRevD.101.084002 [arXiv:1908.03584 [astro-ph.HE]].
824. B. P. Abbott *et al.* [LIGO Scientific and Virgo], “Model comparison from LIGO–Virgo data on GW170817’s binary components and consequences for the merger remnant,” *Class. Quant. Grav.* **37** (2020) no.4, 045006 doi:10.1088/1361-6382/ab5f7c [arXiv:1908.01012 [gr-qc]].
825. B. P. Abbott *et al.* [KAGRA, LIGO Scientific and Virgo], “Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA,” *Living Rev. Rel.* **23** (2020) no.1, 3 doi:10.1007/s41114-020-00026-9
826. R. Abbott *et al.* [LIGO Scientific and Virgo], “GW190521: A Binary Black Hole Merger with a Total Mass of $150M_{\odot}$,” *Phys. Rev. Lett.* **125** (2020) no.10, 101102 doi:10.1103/PhysRevLett.125.101102 [arXiv:2009.01075 [gr-qc]].
827. R. Abbott *et al.* [LIGO Scientific and Virgo], “Properties and Astrophysical Implications of the $150 M_{\odot}$ Binary Black Hole Merger GW190521,” *Astrophys. J. Lett.* **900** (2020) no.1, L13 doi:10.3847/2041-8213/aba493 [arXiv:2009.01190 [astro-ph.HE]].
828. R. Abbott *et al.* [LIGO Scientific and Virgo], “Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars,” *Astrophys. J. Lett.* **902** (2020) no.1, L21 doi:10.3847/2041-8213/abb655 [arXiv:2007.14251 [astro-ph.HE]].
829. R. Abbott *et al.* [LIGO Scientific and Virgo], “GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object,” *Astrophys. J. Lett.* **896** (2020) no.2, L44 doi:10.3847/2041-8213/ab960f [arXiv:2006.12611 [astro-ph.HE]].
830. R. Abbott *et al.* [LIGO Scientific and Virgo], “GW190412: Observation of a Binary-Black-Hole Coalescence with Asymmetric Masses,” *Phys. Rev. D* **102** (2020) no.4, 043015 doi:10.1103/PhysRevD.102.043015 [arXiv:2004.08342 [astro-ph.HE]].
831. B. P. Abbott *et al.* [LIGO Scientific and Virgo], “GW190425: Observation of a Compact Binary Coalescence with Total Mass $\sim 3.4M_{\odot}$,” *Astrophys. J. Lett.* **892** (2020) no.1, L3 doi:10.3847/2041-8213/ab75f5 [arXiv:2001.01761 [astro-ph.HE]].
832. R. Hamburg *et al.* [Fermi Gamma-ray Burst Monitor Team, LIGO Scientific and Virgo], “A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers From the First and Second Gravitational-wave Observing Runs,” *Astrophys. J.* **893**, 100 doi:10.3847/1538-4357/ab7d3e [arXiv:2001.00923 [astro-ph.HE]].

833. B. P. Abbott *et al.* [LIGO Scientific and Virgo], “A guide to LIGO–Virgo detector noise and extraction of transient gravitational-wave signals,” *Class. Quant. Grav.* **37** (2020) no.5, 055002 doi:10.1088/1361-6382/ab685e [arXiv:1908.11170 [gr-qc]].
834. B. P. Abbott *et al.* [LIGO Scientific and Virgo], “Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo,” *Phys. Rev. D* **101** (2020) no.8, 084002 doi:10.1103/PhysRevD.101.084002 [arXiv:1908.03584 [astro-ph.HE]].
835. B. P. Abbott *et al.* [LIGO Scientific and Virgo], “Model comparison from LIGO–Virgo data on GW170817’s binary components and consequences for the merger remnant,” *Class. Quant. Grav.* **37** (2020) no.4, 045006 doi:10.1088/1361-6382/ab5f7c [arXiv:1908.01012 [gr-qc]].
836. B. P. Abbott *et al.* [LIGO Scientific and Virgo], “Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015–2017 LIGO Data,” *Astrophys. J.* **879** (2019) no.1, 10 [erratum: *Astrophys. J.* **899** (2020) no.2, 170] doi:10.3847/1538-4357/ab20cb [arXiv:1902.08507 [astro-ph.HE]].
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Selected Other Publications

1. "Study of Fluors and Solvents for Use in Water Cerenkov Light Collection," R.Frey, J.Learned, and A.Zukoski, in Proc. 1978 DUMAND Summer Workshop, Vol. I.
2. " $D^{*\pm}$ Production at the CERN SPS Collider", R. Frey, in *Proc. Fourth Topical Workshop on Proton – Antiproton Collider Physics* (1984) 232.
3. "Charm Production at the CERN Proton – Antiproton Collider," R. Frey, Ph.D. dissertation, U.C. Riverside (1984).
4. "The Z^0 Resonance in e^+e^- Annihilation", R. Frey, in *Proc. of the 1989 Theoretical Advanced Summer Institute in Elementary Particle Physics*, Boulder, CO, T. DeGrand and D. Toussaint, eds., World Scientific (1990) 741.
5. "Calorimeter Performance Studies", C. Beauvais, J. Brau, R. Frey, and N. Wermes, *Proc. Meeting of the Tau-Charm Detector and Machine*, p. 309, Universidad de Sevilla, Spain, 1992.
6. "A Silicon Layer for the CsI Calorimeter", K. Braune, R. Frey, *et al.*, *ibid*, pg 289.
7. "GEM Technical Design Report", (GEM Collab at SSC.), GEM-TN-93-262, April 1993.
8. "Precise Measurement of the Left-Right Cross Section Asymmetry in Z Boson Production by Electron-Positron Collisions", R. Frey, *et al.*, in *Proc. XXI SLAC Summer Institute for Particle Physics*, March 1994.
9. "Top Quark Physics at a Future e^+e^- Collider: Experimental Aspects", R. Frey, summary talk at LCWS95, Iwate, Japan; Published in *Proc. of Third Workshop on Physics and Experiments with e^+e^- Linear Colliders*, pg 144–178, World Scientific, Sept. 1996, Miyamoto, Fujii, Matsui, Iwata, eds.
10. "Zeroth-Order Design Report for the Next Linear Collider", C. Adolphsen, *et al.*, SLAC Report 474, May 1996.
11. "Physics and Technology of the Next Linear Collider", S. Kuhlman, *et al.*, SLAC Report 485, June 1996.
12. "Recent Electroweak Results from SLC/SLD", R. Frey, in *Proc. of 5th International Conference on Physics Beyond the Standard Model*, Balholm, Norway, 16pp, World Scientific, 1997, Eigen, Osland, Stugu, eds.
13. "Top Quark Physics: Future Measurements", R. Frey, *et al.*, e-Print Archive: hep-ph/9704243, March 1997, summary report published in *Snowmass 1996: New Directions for High-Energy Physics*, Eds: Cassel, Gennari, Siemann; www.slac.stanford.edu.
14. "The Case for a 500 GeV $e^+ e^-$ Linear Collider", J. Bagger *et al.*, SLAC-PUB-8495, e-Print Archive: hep-ex/0007022.
15. "Progress in X-band Linear Collider Program", R. Frey, published in *Proc. 7th International Symposium on Particles, Strings, and Cosmology (PASCOS99)*, Cheung, Gunion, and Mrenna eds. World Scientific, 2000, pg. 483.

16. “Electroweak Results from SLC/SLD”, *ibid*, pg. 549.
17. “Study of Jet Reconstruction Using Energy Flow,” R. Frey, *Proc. Physics and Experiments with Future Linear e^+e^- Colliders, LCWS2000*, pg 908-911, 2001, AIP, A. Para and H.E. Fisk, eds.
18. “Linear Collider Physics Resource Book for Snowmass 2001”, (American Linear Collider Working Group Collab.), SLAC-R-570, May 2001, 436 pp; e-print: hep-ex/0106055 – 0106058 (Parts 1-4).
19. “Calorimeter Considerations for a Linear Collider Detector,” R. Frey, *Proc. 10th International Conference on Calorimetry in High Energy Physics*, pg. 54, World Scientific, 2002, R.-Y. Zhu ed.
20. “Design Considerations for a Silicon-Tungsten Electromagnetic Calorimeter for a Linear Collider Detector,” *ibid*, pg. 304.
21. “Summary of Calorimetry, Muons, and Other Detectors,” R. Frey, pg. 530, *Proc. International Workshop on Linear Colliders, Korea, Korean Physical Society, 2003*.
22. “A Silicon-Tungsten Electromagnetic Calorimeter with Integrated Electronics,” R. Frey, *et al.*, pg. 572, *Proc. International Workshop on Linear Colliders, Korea, Korean Physical Society, 2003*.
23. “Experimental Introduction,” R. Frey, *Proc. International Workshop on Linear Colliders, Paris, World Scientific, 2005*.
24. “A Silicon-Tungsten Electromagnetic Calorimeter with Integrated Electronics,” R. Frey, *et al.*, *Proc. International Workshop on Linear Colliders, Paris, World Scientific, 2005*.
25. R. E. Frey, for the LIGO Scientific Collaboration, “LIGO: Status and recent results,” *AIP Conf. Proc.* **928**, 11 (2007).
26. R. Frey *et al.*, “A Silicon-Tungsten ECal with Integrated Electronics,” In the Proceedings of 2007 International Linear Collider Workshop (LCWS07 and ILC07), Hamburg, Germany, 30 May - 3 Jun 2007, pp CAL16. [arXiv:0710.2373 [physics.ins-det]].
27. J. E. Brau *et al.*, “An electromagnetic calorimeter for the silicon detector concept,” *Pramana* **69**, 1025 (2007).
28. D. Freytag, *et al.*, “KPiX, an array of self triggered charge sensitive cells generating digital time and amplitude information,” *Nuclear Science Symposium Conference Record, 2008. NSS ’08; IEEE*, 3447. ISBN 978-1-4244-2714-7, DOI 10.1109/NSSMIC.2008.4775080
29. V. Boudry *et al.*, “Summary of the Linear Collider Testbeam Workshop 2009 - LCTW09,” arXiv:1010.1337 [physics.ins-det].
30. “SiD Letter of Intent,” H. Aihara *et al.*, arXiv:0911.0006 [physics.ins-det].
31. “Sensitivity Achieved by the LIGO and Virgo Gravitational Wave Detectors during LIGO’s Sixth and Virgo’s Second and Third Science Runs”, [The LIGO Scientific Collaboration and Virgo Collaboration], arXiv:1203.2674.

Invited Conference Talks

1. “ $D^{*\pm}$ Production at the CERN SPS Collider”, Fourth Topical Workshop on Proton – Antiproton Collider Physics, Bern, Switzerland, 1984.
2. “Experience with the UA1 Detector”, Workshop on Detectors for Relativistic Nuclear Collisions, Berkeley, CA, 1984.
3. “ $D^{*\pm}$ in Jets”, Annual Meeting of the Division of Particles and Fields, Eugene, OR, 1985.
4. “Recent Results from Experiment UA1”, Meeting of the Southeastern Section of the American Physical Society, Athens, GA, 1985.
5. “Radiative Corrections at the Z^0 Resonance”, SLAC Experimental Seminar, Stanford, CA, 1987.
6. “Results from Mark II at the SLC”, Theoretical Advanced Summer Institute, Boulder, CO, 1989.
7. “Calorimeter Performance Studies”, Meeting on the Tau-charm Factory, Sevilla, Spain, 1991.
8. “Measurement of the Left-Right Cross Section Asymmetry with SLC/SLD”, XXI SLAC Summer Institute on Particle Physics, Stanford, CA, 1993.
9. “Top Physics at NLC”, Workshop on the Next Linear Collider, Estes Park, CO, July 1995.
10. “Top Physics, Experimental”, summary talk at LCWS95, Morioka, Japan, September 1995.
11. “Top Physics”, Physics with High Energy e^+e^- Colliders, Fermi National Accelerator Lab, November 1995.
12. “Top Prospects at NLC and Muon Colliders”, New Directions for High Energy Physics, Snowmass, Colorado, June-July 1996.
13. “Recent Results from SLD”, 1997 Aspen Winter Conference on Particle Physics, Aspen, Colorado, January 1997.
14. “Recent Electroweak Results from SLD/SLC”, 5th International Conference on Physics Beyond the Standard Model, Balholm, Norway, Apr 30 - May 4, 1997.
15. “Top Physics at the LC”, Workshop on Physics and Detectors for Future e^+e^- Colliders, Keystone, CO, September, 1998.
16. “Physics and Experimentation at Linear Colliders”, Phenomenology for the Third Millennium, Madison, WI, April, 1999. Talk posted at <http://pheno.physics.wisc.edu/pheno99/home.html>, and <http://zebu.uoregon.edu/~rayfrey/pheno99/pheno99.html>.
17. “Progress in X-band Linear Collider Program”, PASCOS99, 7th International Symposium on Particles, Strings, and Cosmology, Lake Tahoe, CA, December 1999. Published in Proc. of the 7th International Symposium on Particles, Strings, and Cosmology (PASCOS99), Cheung, Gunion, and Mrenna eds. World Scientific, 2000, pg. 483.
18. “Electroweak Physics Results at the Z from LEP and SLC”, Second Meeting of the Northwest Section of the APS, Eugene, OR, May 2000.

19. “Calorimeter Resolution Studies”, Snowmass 2001, *The Future of Particle Physics*, July 2001.
20. “LC Calorimetry: Overview”, Chicago Linear Collider Workshop, Jan., 2002.
21. “Calorimeter Considerations for a Linear Collider Calorimeter”, 10th International Conference on Calorimetry in High Energy Physics, Pasadena, CA, March 2002.
22. “Linear Collider Calorimetry”, Cornell Linear Collider Workshop, April 2002.
23. “Calorimeter Summary”, International Linear Collider Workshop, LCWS2002, Jeju, Korea, August 2002.
24. “Gravitational Wave Detectors”, 2003 IEEE Nuclear Science Symposium and Medical Imaging Conference, Portland, OR, October 2003.
25. “Experimental Introduction”, Plenary session, International Conference on Linear Colliders (LCWS04), Paris, April 19, 2004.
26. “Measurements and Detectors for the Linear Collider”, American Physical Society, April 2004 meeting, Denver, May 1, 2004.
27. “Calorimeter and Muons Summary”, American Linear Collider Workshop, Victoria, BC, Canada, July 31, 2004.
28. “Electromagnetic Calorimetry with Integrated Electronics”, ILC Test Beam Workshop, Fermi National Accelerator Lab, January 18, 2007.
29. “LIGO Results and Status”, Colliders to Cosmic Rays 2007, Granlibakken, California, February 26, 2007.
30. “Summary: Jet and Photon Energy Measurements”, ALCPG07 international linear collider meeting, Fermilab, October 2007, <http://ilc.fnal.gov/conf/alcp07/>
31. “LIGO: Search for Gravitational Waves,” LSST Collaboration Meeting, Dove Mt, AZ, August 2010, <https://www.lsstcorp.org/meeting/all-hands-meeting>
32. “Search for Gravitational Wave Bursts from Six Magnetars,” 9th Edoardo Amaldi Conference on Gravitational Waves, Cardiff, UK, July 2011, <http://www.amaldi9.org/>
33. “LIGO: Prospects for Gravitational-Wave Astronomy,” VII International Conference on Interconnections between Particle Physics and Cosmology (PPC2013), Lead, S Dakota, July 2013, <http://www.dsu.edu/research/ppc2013/>
34. “Prospects for Gravitational-Wave Observations with Advanced LIGO,” IX International Conference on Interconnections between Particle Physics and Cosmology (PPC2015), Deadwood, S Dakota, July 2015, <http://research.dsu.edu/ppc/default.aspx>
35. “Observation of Gravitational Waves from a Binary Black Hole Merger,” ORAAPT, March 12, 2016.
36. “What we are learning from gravitational waves: Putting the ‘O’ in LIGO,” national AAPT meeting, Provo, Utah. July 2019.

37. Division of Atomic, Molecular and Optical Physics, invited public talk on LIGO, June 2020, canceled due to COVID-19.