

Publication List: Professor Valerie Gibson

(★) Top 20 publications

1. **“Measurement of the ratio of the $B^0 \rightarrow D^{*-}\tau^+\nu_\tau$ and $B^0 \rightarrow D^{*-}\mu^+\nu_\mu$ branching fractions using three-prong τ -lepton decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1708.08856 [hep-ex]
2. **“Measurement of CP observables in $B^\pm \rightarrow D^{(*)}K^\pm$ and $B^\pm \rightarrow D^{(*)}\pi^\pm$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1708.06370 [hep-ex]
3. **“Study of $b\bar{b}$ correlations in high energy proton-proton collisions”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1708.05994 [hep-ex]
4. **“Search for baryon-number-violating Ξ_b^0 oscillations”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1708.05808 [hep-ex]
5. **“Framework TDR for the LHCb Upgrade : Technical Design Report”**
I. Bediaga *et al.* [LHCb Collaboration].
CERN-LHCC-2012-007, LHCb-TDR-12
6. **“Observation of D^0 meson decays to $\pi^+\pi^-\mu^+\mu^-$ and $K^+K^-\mu^+\mu^-$ final states”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1707.08377 [hep-ex]
7. **“Study of prompt D^0 meson production in pPb collisions at $\sqrt{s}=5$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1707.02750 [hep-ex]
8. **“Updated branching fraction measurements of $B_{(s)}^0 \rightarrow K_s^0 h^+ h'^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1707.01665 [hep-ex]
9. **“Observation of the doubly charmed baryon Ξ_{cc}^{++} ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1707.01621 [hep-ex]
10. **“Prompt and nonprompt J/ψ production and nuclear modification in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1706.07122 [hep-ex]
11. **“Study of charmonium production in b -hadron decays and first evidence for the decay $B_s^0 \rightarrow \phi\phi\phi$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1706.07013 [hep-ex]
12. **“Improved limit on the branching fraction of the rare decay $K_s^0 \rightarrow \mu^+\mu^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1706.00758 [hep-ex]
13. **“Updated search for long-lived particles decaying to jet pairs”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1705.07332 [hep-ex]

14. **“Test of lepton universality with $B^0 \rightarrow K^{*0}\ell^+\ell^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1705.05802 [hep-ex], JHEP **08**, 055 (2017)
15. **“Measurement of B_s^0 and D_s^- meson lifetimes”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1705.03475 [hep-ex]
16. **“Observation of charmless baryonic decays $B_{(s)}^0 \rightarrow p\bar{p}h^+h'^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1704.08497 [hep-ex]
17. **“Resonances and CP violation in B_s^0 and $\bar{B}_s^0 \rightarrow J/\psi K^+K^-$ decays in the mass region above the $\phi(1020)$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1704.08217 [hep-ex], JHEP **08**, 037 (2017)
18. **“First observation of a baryonic B_s^0 decay”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1704.07908 [hep-ex], Phys. Rev. Lett. **119**, 041802 (2017)
19. **“Observation of the decays $\Lambda_b^0 \rightarrow \chi_{c1}pK^-$ and $\Lambda_b^0 \rightarrow \chi_{c2}pK^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1704.07900 [hep-ex], Phys. Rev. Lett. **119**, 062001 (2017)
20. **“Observation of the $B^+ \rightarrow D^{*-}K^+\pi^+$ decay”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1704.07581 [hep-ex], Phys. Rev. D **96**, 011101 (2017)
21. **“Measurement of B^0 , B_s^0 , B^+ and Λ_b^0 production asymmetries in 7 and 8 TeV proton-proton collisions”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1703.08464 [hep-ex]
22. **(*) “Measurement of the $B_s^0 \rightarrow \mu^+\mu^-$ branching fraction and effective lifetime and search for $B^0 \rightarrow \mu^+\mu^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1703.05747 [hep-ex], Phys. Rev. Lett. **118**, 191801 (2017)
23. **“Observation of five new narrow Ω_c^0 states decaying to $\Xi_c^+K^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1703.04639 [hep-ex], Phys. Rev. Lett. **118**, 182001 (2017)
24. **“Search for the decays $B_s^0 \rightarrow \tau^+\tau^-$ and $B^0 \rightarrow \tau^+\tau^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1703.02508 [hep-ex], Phys. Rev. Lett. **118**, 251802 (2017)
25. **“Observation of the decay $\Lambda_b^0 \rightarrow pK^-\mu^+\mu^-$ and a search for CP violation”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1703.00256 [hep-ex], JHEP **06**, 108 (2017)
26. **“Observation of the decay $B_s^0 \rightarrow \eta_c\phi$ and evidence for $B_s^0 \rightarrow \eta_c\pi^+\pi^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1702.08048 [hep-ex], JHEP **07**, 021 (2017)
27. **“Measurement of the CP violation parameter A_Γ in $D^0 \rightarrow K^+K^-$ and $D^0 \rightarrow \pi^+\pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1702.06490 [hep-ex], Phys. Rev. Lett. **118**, 261803 (2017)
28. **“Observation of the suppressed decay $\Lambda_b^0 \rightarrow p\pi^-\mu^+\mu^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1701.08705 [hep-ex], JHEP **04**, 029 (2017)

29. **“Study of the $D^0 p$ amplitude in $\Lambda_b^0 \rightarrow D^0 p \pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1701.07873 [hep-ex], JHEP **05**, 030 (2017)
30. **“Measurement of the B^\pm production asymmetry and the CP asymmetry in $B^\pm \rightarrow J/\psi K^\pm$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1701.05501 [hep-ex], Phys. Rev. D **95**, 052005 (2017)
31. **“Observation of the $\Xi_b^- \rightarrow J/\psi \Lambda K^-$ decay”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1701.05274 [hep-ex], Phys. Lett. B **772**, 265 (2017)
32. **“Study of J/ψ Production in Jets”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1701.05116 [hep-ex], Phys. Rev. Lett. **118**, 192001 (2017)
33. **“Measurement of CP asymmetries in $D^\pm \rightarrow \eta' \pi^\pm$ and $D_s^\pm \rightarrow \eta' \pi^\pm$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1701.01871 [hep-ex], Phys. Lett. B **771**, 21 (2017)
34. **“Observation of $B_c^+ \rightarrow D^0 K^+$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1701.01856 [hep-ex], Phys. Rev. Lett. **118**, 111803 (2017)
35. **“Search for the $B_s^0 \rightarrow \eta' \phi$ decay”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1612.08110 [hep-ex], JHEP **05**, 158 (2017)
36. **“Search for long-lived scalar particles in $B^+ \rightarrow K^+ \chi(\mu^+ \mu^-)$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1612.07818 [hep-ex], Phys. Rev. D **95**, 071101 (2017)
37. **“Measurement of the J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1612.07451 [hep-ex], JHEP **06**, 047 (2017)
38. **“Observation of $B_c^+ \rightarrow J/\psi D^{(*)} K^{(*)}$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1612.07421 [hep-ex], Phys. Rev. D **95**, 032005 (2017)
39. **“Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1612.06764 [hep-ex], Eur. Phys. J. C **77**, 161 (2017)
40. **“Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \rightarrow J/\psi \pi^+$ and $B^+ \rightarrow J/\psi K^+$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1612.06116 [hep-ex], JHEP **03**, 036 (2017)
41. **“Measurement of the b -quark production cross-section in 7 and 13 TeV pp collisions”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1612.05140 [hep-ex], Phys. Rev. Lett. **118**, 052002 (2017)
42. **“Search for CP violation in the phase space of $D^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1612.03207 [hep-ex], Phys. Lett. B **769**, 345 (2017)
43. **“Observation of the decay $\Xi_b^- \rightarrow p K^- K^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1612.02244 [hep-ex], Phys. Rev. Lett. **118**, 071801 (2017)

44. **“Search for massive long-lived particles decaying semileptonically in the LHCb detector”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1612.00945 [hep-ex], Eur. Phys. J. C **77**, 224 (2017)
45. **“Evidence for the two-body charmless baryonic decay $B^+ \rightarrow p\bar{\Lambda}$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1611.07805 [hep-ex], JHEP **04**, 162 (2017)
46. **“Search for decays of neutral beauty mesons into four muons”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1611.07704 [hep-ex], JHEP **03**, 001 (2017)
47. **“Measurements of charm mixing and CP violation using $D^0 \rightarrow K^\pm\pi^\mp$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1611.06143 [hep-ex], Phys. Rev. D **95**, 052004 (2017)
48. **“Measurement of the CKM angle γ from a combination of LHCb results”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1611.03076 [hep-ex], JHEP **12**, 087 (2016)
49. **“Measurement of CP asymmetry in $D^0 \rightarrow K^-K^+$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1610.09476 [hep-ex], Phys. Lett. B **767**, 177 (2017)
50. **“Observation of the annihilation decay mode $B^0 \rightarrow K^+K^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1610.08288 [hep-ex], Phys. Rev. Lett. **118**, 081801 (2017)
51. **“Measurement of forward $t\bar{t}$, $W + b\bar{b}$ and $W + c\bar{c}$ production in pp collisions at $\sqrt{s} = 8$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1610.08142 [hep-ex], Phys. Lett. B **767**, 110 (2017)
52. **“New algorithms for identifying the flavour of B^0 mesons using pions and protons”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1610.06019 [hep-ex], Eur. Phys. J. C **77**, 238 (2017)
53. **“Observation of the decay $B_s^0 \rightarrow \phi\pi^+\pi^-$ and evidence for $B^0 \rightarrow \phi\pi^+\pi^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1610.05187 [hep-ex], Phys. Rev. D **95**, 012006 (2017)
54. **“Search for the CP -violating strong decays $\eta \rightarrow \pi^+\pi^-$ and $\eta'(958) \rightarrow \pi^+\pi^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1610.03666 [hep-ex], Phys. Lett. B **764**, 233 (2017)
55. **“Test of the photon detection system for the LHCb RICH Upgrade in a charged particle beam”**
M. K. Baszczyk *et al.*.
arXiv:1610.02879 [physics.ins-det], JINST **12**, P01012 (2017)
56. **“Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1610.02230 [hep-ex], JHEP **06**, 147 (2017)
57. **“Observation of $B^+ \rightarrow J/\psi 3\pi^+ 2\pi^-$ and $B^+ \rightarrow \psi(2S)\pi^+\pi^+\pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1610.01383 [hep-ex], Eur. Phys. J. C **77**, 72 (2017)
58. **“Measurement of matter-antimatter differences in beauty baryon decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1609.05216 [hep-ex], Nature Phys. **13**, 391 (2017)

59. **“Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+\pi^-\mu^+\mu^-$ in the $K_{0,2}^*(1430)^0$ region”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1609.04736 [hep-ex], JHEP **12**, 065 (2016)
60. **“Search for Higgs-like bosons decaying into long-lived exotic particles”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1609.03124 [hep-ex], Eur. Phys. J. C **76**, 664 (2016)
61. **“First experimental study of photon polarization in radiative B_s^0 decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1609.02032 [hep-ex], Phys. Rev. Lett. **118**, 021801 (2017), Addendum: [Phys. Rev. Lett. **118**, 109901 (2017)]
62. **“Measurement of CP violation in $B^0 \rightarrow D^+D^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1608.06620 [hep-ex], Phys. Rev. Lett. **117**, 261801 (2016)
63. **“First study of the CP -violating phase and decay-width difference in $B_s^0 \rightarrow \psi(2S)\phi$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1608.04855 [hep-ex], Phys. Lett. B **762**, 253 (2016)
64. **“Measurement of forward $W \rightarrow e\nu$ production in pp collisions at $\sqrt{s} = 8$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1608.01484 [hep-ex], JHEP **10**, 030 (2016)
65. **“Search for the suppressed decays $B^+ \rightarrow K^+K^+\pi^-$ and $B^+ \rightarrow \pi^+\pi^+K^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1608.01478 [hep-ex], Phys. Lett. B **765**, 307 (2017)
66. **“Amplitude analysis of $B^- \rightarrow D^+\pi^-\pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1608.01289 [hep-ex], Phys. Rev. D **94**, 072001 (2016)
67. **“Search for Structure in the $B_s^0\pi^\pm$ Invariant Mass Spectrum”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1608.00435 [hep-ex], Phys. Rev. Lett. **117**, 152003 (2016), Addendum: [Phys. Rev. Lett. **118**, 109904 (2017)]
68. **“Measurement of the ratio of branching fractions $\mathcal{B}(B_c^+ \rightarrow J/\psi K^+)/\mathcal{B}(B_c^+ \rightarrow J/\psi\pi^+)$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1607.06823 [hep-ex], JHEP **09**, 153 (2016)
69. **“Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 13$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1607.06495 [hep-ex], JHEP **09**, 136 (2016)
70. **“Observation of $\eta_c(2S) \rightarrow p\bar{p}$ and search for $X(3872) \rightarrow p\bar{p}$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1607.06446 [hep-ex], Phys. Lett. B **769**, 305 (2017)
71. **“Measurement of the $B_s^0 \rightarrow J/\psi\eta$ lifetime”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1607.06314 [hep-ex], Phys. Lett. B **762**, 484 (2016)
72. **“Study of B_c^+ decays to the $K^+K^-\pi^+$ final state and evidence for the decay $B_c^+ \rightarrow \chi_{c0}\pi^+$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1607.06134 [hep-ex], Phys. Rev. D **94**, 091102 (2016)
73. **“Amplitude analysis of $B^+ \rightarrow J/\psi\phi K^+$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1606.07898 [hep-ex], Phys. Rev. D **95**, 012002 (2017)

74. **“Observation of $J/\psi\phi$ structures consistent with exotic states from amplitude analysis of $B^+ \rightarrow J/\psi\phi K^+$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1606.07895 [hep-ex], Phys. Rev. Lett. **118**, 022003 (2017)
75. **“Evidence for exotic hadron contributions to $\Lambda_b^0 \rightarrow J/\psi p\pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1606.06999 [hep-ex], Phys. Rev. Lett. **117**, 082003 (2016), Addendum: [Phys. Rev. Lett. **117**, 109902 (2016)], Addendum: [Phys. Rev. Lett. **118**, 119901 (2017)]
76. **“Measurements of the S-wave fraction in $B^0 \rightarrow K^+\pi^-\mu^+\mu^-$ decays and the $B^0 \rightarrow K^*(892)^0\mu^+\mu^-$ differential branching fraction”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1606.04731 [hep-ex], JHEP **1611**, 047 (2016)
77. **“Measurement of the CP asymmetry in $B_s^0 - \bar{B}_s^0$ mixing”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1605.09768 [hep-ex], Phys. Rev. Lett. **117**, 061803 (2016), Addendum: [Phys. Rev. Lett. **118**, 129903 (2017)]
78. (★) **“Measurement of the CKM angle γ using $B^0 \rightarrow DK^{*0}$ with $D \rightarrow K_S^0\pi^+\pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1605.01082 [hep-ex], JHEP **1608**, 137 (2016)
79. **“Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 8$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1605.00951 [hep-ex], JHEP **05**, 131 (2016)
80. **“Model-independent evidence for $J/\psi p$ contributions to $\Lambda_b^0 \rightarrow J/\psi p K^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1604.05708 [hep-ex], Phys. Rev. Lett. **117**, 082002 (2016)
81. **“Measurement of the properties of the Ξ_b^{*0} baryon”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1604.03896 [hep-ex], JHEP **05**, 161 (2016)
82. **“A precise measurement of the B^0 meson oscillation frequency”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1604.03475 [hep-ex], Eur. Phys. J. C **76**, 412 (2016)
83. **“Model-independent measurement of the CKM angle γ using $B^0 \rightarrow DK^{*0}$ decays with $D \rightarrow K_S^0\pi^+\pi^-$ and $K_S^0 K^+ K^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1604.01525 [hep-ex], JHEP **06**, 131 (2016)
84. **“Measurement of the mass and lifetime of the Ω_b^- baryon”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1604.01412 [hep-ex], Phys. Rev. D **93**, 092007 (2016)
85. **“Measurement of CP observables in $B^\pm \rightarrow DK^\pm$ and $B^\pm \rightarrow D\pi^\pm$ with two- and four-body D decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1603.08993 [hep-ex], Phys. Lett. B **760**, 117 (2016)
86. **“Search for B_c^+ decays to the $p\bar{p}\pi^+$ final state”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1603.07037 [hep-ex], Phys. Lett. B **759**, 313 (2016)
87. **“Observation of $\Lambda_b^0 \rightarrow \psi(2S)pK^-$ and $\Lambda_b^0 \rightarrow J/\psi\pi^+\pi^-pK^-$ decays and a measurement of the Λ_b^0 baryon mass”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1603.06961 [hep-ex], JHEP **05**, 132 (2016)

88. **“Search for violations of Lorentz invariance and CPT symmetry in $B_{(s)}^0$ mixing”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1603.04804 [hep-ex], Phys. Rev. Lett. **116**, 241601 (2016)
89. **“Observation of the $\Lambda_b^0 \rightarrow \Lambda\phi$ decay”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1603.02870 [hep-ex], Phys. Lett. B **759**, 282 (2016)
90. **“Observation of $B_s^0 \rightarrow \bar{D}^0 K_S^0$ and evidence for $B_s^0 \rightarrow \bar{D}^{*0} K_S^0$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1603.02408 [hep-ex], Phys. Rev. Lett. **116**, 161802 (2016)
91. **“Observations of $\Lambda_b^0 \rightarrow \Lambda K^+ \pi^-$ and $\Lambda_b^0 \rightarrow \Lambda K^+ K^-$ decays and searches for other Λ_b^0 and Ξ_b^0 decays to $\Lambda h^+ h'^-$ final states”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1603.00413 [hep-ex], JHEP **05**, 081 (2016)
92. **“Measurement of the $B_s^0 \rightarrow D_s^{(*)+} D_s^{(*)-}$ branching fractions”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1602.07543 [hep-ex], Phys. Rev. D **93**, 092008 (2016)
93. **“A new algorithm for identifying the flavour of B_s^0 mesons at LHCb”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1602.07252 [hep-ex], JINST **11**, 05010 (2016)
94. **“First observation of $D^0 - \bar{D}^0$ oscillations in $D^0 \rightarrow K^+ \pi^- \pi^+ \pi^-$ decays and measurement of the associated coherence parameters”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1602.07224 [hep-ex], Phys. Rev. Lett. **116**, 241801 (2016)
95. **“Constraints on the unitarity triangle angle γ from Dalitz plot analysis of $B^0 \rightarrow DK^+ \pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1602.03455 [hep-ex], Phys. Rev. D **93**, 112018 (2016)
96. **“Measurement of the difference of time-integrated CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1602.03160 [hep-ex], Phys. Rev. Lett. **116**, 191601 (2016)
97. **“Study of $\psi(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1601.07878 [nucl-ex], JHEP **03**, 133 (2016)
98. **“Observation of the $B_s^0 \rightarrow J/\psi\phi\phi$ decay”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1601.05284 [hep-ex], JHEP **03**, 040 (2016)
99. **“Study of $D_{s,J}^{(*)+}$ mesons decaying to $D^+ K_S^0$ and $D^{*0} K^+$ final states”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1601.01495 [hep-ex], JHEP **02**, 133 (2016)
100. **“Angular analysis of the $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decay using 3 fb^{-1} of integrated luminosity”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1512.04442 [hep-ex], JHEP **02**, 104 (2016)
101. **“First observation of the rare $B^+ \rightarrow D^+ K^+ \pi^-$ decay”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1512.02494 [hep-ex], Phys. Rev. D **93**, 051101 (2016), Erratum: [Phys. Rev. D **93**, 119902 (2016)]

102. **“Measurements of long-range near-side angular correlations in $\sqrt{s_{NN}} = 5\text{TeV}$ proton-lead collisions in the forward region”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1512.00439 [nucl-ex], Phys. Lett. B **762**, 473 (2016)
103. **“Search for the lepton-flavour violating decay $D^0 \rightarrow e^\pm \mu^\mp$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1512.00322 [hep-ex], Phys. Lett. B **754**, 167 (2016)
104. **“Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8\text{ TeV}$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1511.08039 [hep-ex], JHEP **01**, 155 (2016)
105. **“First observation of the decay $D^0 \rightarrow K^- \pi^+ \mu^+ \mu^-$ in the ρ^0 - ω region of the dimuon mass spectrum”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1510.08367 [hep-ex], Phys. Lett. B **757**, 558 (2016)
106. **“Production of associated Y and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1510.05949 [hep-ex], JHEP **07**, 052 (2016)
107. **“Search for the rare decays $B^0 \rightarrow J/\psi \gamma$ and $B_s^0 \rightarrow J/\psi \gamma$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1510.04866 [hep-ex], Phys. Rev. D **92**, 112002 (2015)
108. **“Evidence for the strangeness-changing weak decay $\Xi_b^- \rightarrow \Lambda_b^0 \pi^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1510.03829 [hep-ex], Phys. Rev. Lett. **115**, 241801 (2015)
109. **“Model-independent confirmation of the $Z(4430)^-$ state”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1510.01951 [hep-ex], Phys. Rev. D **92**, 112009 (2015)
110. **“Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13\text{ TeV}$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1510.01707 [hep-ex], JHEP **03**, 159 (2016)
111. **“Model-independent measurement of mixing parameters in $D^0 \rightarrow K_S^0 \pi^+ \pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1510.01664 [hep-ex], JHEP **04**, 033 (2016)
112. **“Measurement of the forward-backward asymmetry in $Z/\gamma^* \rightarrow \mu^+ \mu^-$ decays and determination of the effective weak mixing angle”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1509.07645 [hep-ex], JHEP **11**, 190 (2015)
113. **“Studies of the resonance structure in $D^0 \rightarrow K_S^0 K^\pm \pi^\mp$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1509.06628 [hep-ex], Phys. Rev. D **93**, 052018 (2016)
114. **“Forward production of Y mesons in pp collisions at $\sqrt{s} = 7$ and 8TeV ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1509.02372 [hep-ex], JHEP **11**, 103 (2015)
115. **“Measurement of forward J/ψ production cross-sections in pp collisions at $\sqrt{s} = 13\text{ TeV}$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1509.00771 [hep-ex], JHEP **10**, 172 (2015)

116. **“First measurement of the differential branching fraction and CP asymmetry of the $B^\pm \rightarrow \pi^\pm \mu^+ \mu^-$ decay”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1509.00414 [hep-ex], JHEP **10**, 034 (2015)
117. **“Measurement of CP violation parameters and polarisation fractions in $B_s^0 \rightarrow J/\psi \bar{K}^{*0}$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1509.00400 [hep-ex], JHEP **11**, 082 (2015)
118. **“Study of the production of Λ_b^0 and \bar{B}^0 hadrons in pp collisions and first measurement of the $\Lambda_b^0 \rightarrow J/\psi p K^-$ branching fraction”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1509.00292 [hep-ex], Chin. Phys. C **40**, 011001 (2016)
119. **“Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K_S^0 K_S^0$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1508.06087 [hep-ex], JHEP **10**, 055 (2015)
120. **“Search for hidden-sector bosons in $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1508.04094 [hep-ex], Phys. Rev. Lett. **115**, 161802 (2015)
121. **“Measurement of the $B_s^0 \rightarrow \phi \phi$ branching fraction and search for the decay $B^0 \rightarrow \phi \phi$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1508.00788 [hep-ex], JHEP **10**, 053 (2015)
122. **“ B flavour tagging using charm decays at the LHCb experiment”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1507.07892 [hep-ex], JINST **10**, 10005 (2015)
123. **“Measurement of the branching fraction ratio $\mathcal{B}(B_c^+ \rightarrow \psi(2S)\pi^+)/\mathcal{B}(B_c^+ \rightarrow J/\psi\pi^+)$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1507.03516 [hep-ex], Phys. Rev. D **92**, 072007 (2015)
124. **“Observation of $J/\psi p$ resonances consistent with pentaquark states in $\Lambda_b^0 \rightarrow J/\psi K^- p$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1507.03414 [hep-ex], Phys. Rev. Lett. **115**, 072001 (2015)
125. **“First observation of the decay $B_s^0 \rightarrow K_S^0 K^{*0}(892)$ at LHCb”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1506.08634 [hep-ex], JHEP **01**, 012 (2016)
126. **“Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1506.09173 [hep-ex], Eur. Phys. J. C **75**, 595 (2015)
127. **“Angular analysis and differential branching fraction of the decay $B_s^0 \rightarrow \phi \mu^+ \mu^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1506.08777 [hep-ex], JHEP **09**, 179 (2015)
128. **“Measurement of the ratio of branching fractions $\mathcal{B}(\bar{B}^0 \rightarrow D^{*+} \tau^- \bar{\nu}_\tau)/\mathcal{B}(\bar{B}^0 \rightarrow D^{*+} \mu^- \bar{\nu}_\mu)$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1506.08614 [hep-ex],
Phys. Rev. Lett. **115**, 111803 (2015), [Phys. Rev. Lett. **115**, 159901 (2015)]
129. **“First observation of top quark production in the forward region”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1506.00903 [hep-ex], Phys. Rev. Lett. **115**, 112001 (2015)

130. **“Measurement of the exclusive production cross-section in pp collisions at $\sqrt{s} = 7$ TeV and 8 TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1505.08139 [hep-ex], JHEP **09**, 084 (2015)
131. **“Study of $B^- \rightarrow DK^- \pi^+ \pi^-$ and $B^- \rightarrow D \pi^- \pi^+ \pi^-$ decays and determination of the CKM angle γ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1505.07044 [hep-ex], Phys. Rev. D **92**, 112005 (2015)
132. **“Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1505.07024 [hep-ex], JHEP **08**, 039 (2015)
133. **“Quenching the scintillation in CF_4 Cherenkov gas radiator”**
 T. Blake *et al.*
 Nucl. Instrum. Meth. A **791**, 27 (2015).
134. **“Study of W boson production in association with beauty and charm”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1505.04051 [hep-ex], Phys. Rev. D **92**, 052001 (2015)
135. **“Search for the $\Lambda_b^0 \rightarrow \Lambda \eta'$ and $\Lambda_b^0 \rightarrow \Lambda \eta$ decays with the LHCb detector”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1505.03295 [hep-ex], JHEP **09**, 006 (2015)
136. **“Dalitz plot analysis of $B^0 \rightarrow \bar{D}^0 \pi^+ \pi^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1505.01710 [hep-ex], Phys. Rev. D **92**, 032002 (2015)
137. **“Search for the decay $B_s^0 \rightarrow \bar{D}^0 f_0(980)$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1505.01654 [hep-ex], JHEP **08**, 005 (2015)
138. **“Amplitude analysis of $B^0 \rightarrow \bar{D}^0 K^+ \pi^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1505.01505 [hep-ex], Phys. Rev. D **92**, 012012 (2015)
139. **“Identification of beauty and charm quark jets at LHCb”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1504.07670 [hep-ex], JINST **10**, 06013 (2015)
140. **“Quantum numbers of the $X(3872)$ state and orbital angular momentum in its $\rho^0 J/\psi$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1504.06339 [hep-ex], Phys. Rev. D **92**, 011102 (2015)
141. **“A study of CP violation in $B^\mp \rightarrow Dh^\mp$ ($h = K, \pi$) with the modes $D \rightarrow K^\mp \pi^\pm \pi^0$, $D \rightarrow \pi^+ \pi^- \pi^0$ and $D \rightarrow K^+ K^- \pi^0$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1504.05442 [hep-ex], Phys. Rev. D **91**, 112014 (2015)
142. **“Determination of the quark coupling strength $|V_{ub}|$ using baryonic decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1504.01568 [hep-ex], Nature Phys. **11** (2015)
143. **“First observation and measurement of the branching fraction for the decay $B_s^0 \rightarrow D_s^{*\mp} K^\pm$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1503.09086 [hep-ex], JHEP **06**, 130 (2015)

144. **“Observation of the $B^0 \rightarrow \rho^0 \rho^0$ decay from an amplitude analysis of $B^0 \rightarrow (\pi^+ \pi^-)(\pi^+ \pi^-)$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1503.07770 [hep-ex], Phys. Lett. B **747**, 468 (2015)
145. **“Observation of the $B_s^0 \rightarrow \eta' \eta'$ decay”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1503.07483 [hep-ex], Phys. Rev. Lett. **115**, 051801 (2015)
146. **“Differential branching fraction and angular analysis of $\Lambda_b^0 \rightarrow \Lambda \mu^+ \mu^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1503.07138 [hep-ex], JHEP **06**, 115 (2015)
147. **“Observation of the decay $\overline{B}_s^0 \rightarrow \psi(2S) K^+ \pi^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1503.07112 [hep-ex], Phys. Lett. B **747**, 484 (2015)
148. **“Measurement of CP violation in $B^0 \rightarrow J/\psi K_S^0$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1503.07089 [hep-ex], Phys. Rev. Lett. **115**, 031601 (2015)
149. **“Measurement of the time-dependent CP asymmetries in $B_s^0 \rightarrow J/\psi K_S^0$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1503.07055 [hep-ex], JHEP **06**, 131 (2015)
150. **“Measurement of CP asymmetries and polarisation fractions in $B_s^0 \rightarrow K^{*0} \bar{K}^{*0}$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1503.05362 [hep-ex], JHEP **07**, 166 (2015)
151. **“First observation and amplitude analysis of the $B^- \rightarrow D^+ K^- \pi^-$ decay”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1503.02995 [hep-ex], Phys. Rev. D **91**, 092002 (2015)
152. **“Measurement of forward $Z \rightarrow e^+ e^-$ production at $\sqrt{s} = 8$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1503.00963 [hep-ex], JHEP **05**, 109 (2015)
153. **“Precise measurements of the properties of the $B_1(5721)^{0,+}$ and $B_2^*(5747)^{0,+}$ states and observation of $B^{+,0} \pi^{-,+}$ mass structures”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1502.02638 [hep-ex], JHEP **04**, 024 (2015)
154. **“Measurement of indirect CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$ decays using semileptonic B decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1501.06777 [hep-ex], JHEP **04**, 043 (2015)
155. **“Angular analysis of the $B^0 \rightarrow K^{*0} e^+ e^-$ decay in the low- q^2 region”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1501.03038 [hep-ex], JHEP **04**, 064 (2015)
156. **“Determination of the branching fractions of $B_s^0 \rightarrow D_s^\pm K^\mp$ and $B^0 \rightarrow D_s^- K^+$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1412.7654 [hep-ex], JHEP **05**, 019 (2015)
157. **“Study of the rare B_s^0 and B^0 decays into the $\pi^+ \pi^- \mu^+ \mu^-$ final state”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1412.6433 [hep-ex], Phys. Lett. B **743**, 46 (2015)
158. **“LHCb Detector Performance”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1412.6352 [hep-ex], Int. J. Mod. Phys. A **30**, 1530022 (2015)

159. **“Search for long-lived particles decaying to jet pairs”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1412.3021 [hep-ex], Eur. Phys. J. C **75**, 152 (2015)
160. **“Measurement of the inelastic pp cross-section at a centre-of-mass energy of $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1412.2500 [hep-ex], JHEP **02**, 129 (2015)
161. **“Measurement of the lifetime of the B_c^+ meson using the $B_c^+ \rightarrow J/\psi\pi^+$ decay mode”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1411.6899 [hep-ex], Phys. Lett. B **742**, 29 (2015)
162. **“Observation of two new Ξ_b^- baryon resonances”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1411.4849 [hep-ex], Phys. Rev. Lett. **114**, 062004 (2015)
163. **(*) “Observation of the rare $B_s^0 \rightarrow \mu^+\mu^-$ decay from the combined analysis of CMS and LHCb data”**
 V. Khachatryan *et al.* [CMS and LHCb Collaborations].
 arXiv:1411.4413 [hep-ex], Nature **522**, 68 (2015)
164. **“Precision measurement of CP violation in $B_s^0 \rightarrow J/\psi K^+ K^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1411.3104 [hep-ex], Phys. Rev. Lett. **114**, 041801 (2015)
165. **“Measurement of B_c^+ production in proton-proton collisions at $\sqrt{s} = 8$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1411.2943 [hep-ex], Phys. Rev. Lett. **114**, 132001 (2015)
166. **“Measurement of the CP-violating phase β in $B^0 \rightarrow J/\psi\pi^+\pi^-$ decays and limits on penguin effects”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1411.1634 [hep-ex], Phys. Lett. B **742**, 38 (2015)
167. **“Measurement of the Z+b-jet cross-section in pp collisions at $\sqrt{s} = 7$ TeV in the forward region”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1411.1264 [hep-ex], JHEP **01**, 064 (2015)
168. **“Study of $\eta - \eta'$ mixing from measurement of $B_{(s)}^0 \rightarrow J/\psi\eta^{(\prime)}$ decay rates”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1411.0943 [hep-ex], JHEP **01**, 024 (2015)
169. **“Search for CP violation in $D^0 \rightarrow \pi^-\pi^+\pi^0$ decays with the energy test”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1410.4170 [hep-ex], Phys. Lett. B **740**, 158 (2015)
170. **“Precision luminosity measurements at LHCb”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1410.0149 [hep-ex], JINST **9**, 12005 (2014)
171. **“Measurement of the semileptonic CP asymmetry in $B^0 - \bar{B}^0$ mixing”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1409.8586 [hep-ex], Phys. Rev. Lett. **114**, 041601 (2015)
172. **“Precision Measurement of the Mass and Lifetime of the Ξ_b^- Baryon”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1409.8568 [hep-ex], Phys. Rev. Lett. **113**, 242002 (2014)
173. **“Search for the lepton flavour violating decay $\tau \rightarrow \mu\mu^+\mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1409.8548 [hep-ex], JHEP **02**, 121 (2015)

174. **“Measurement of the CP -violating phase ϕ_s in $\bar{B}_s^0 \rightarrow D_s^+ D_s^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1409.4619 [hep-ex], Phys. Rev. Lett. **113**, 211801 (2014)
175. **“Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via the decay $\eta_c(1S) \rightarrow p\bar{p}$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1409.3612 [hep-ex], Eur. Phys. J. C **75**, 311 (2015)
176. **“Measurement of the $\chi_b(3P)$ mass and of the relative rate of $\chi_{b1}(1P)$ and $\chi_{b2}(1P)$ production”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1409.1408 [hep-ex], JHEP **10**, 88 (2014)
177. **“Measurements of CP violation in the three-body phase space of charmless B^\pm decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1408.5373 [hep-ex], Phys. Rev. D **90**, 112004 (2014)
178. **“Determination of γ and $2\beta_s$ from charmless two-body decays of beauty mesons”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1408.4368 [hep-ex], Phys. Lett. B **741**, 1 (2015)
179. **“Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1408.4354 [hep-ex], JHEP **12**, 079 (2014)
180. **“Measurement of the CKM angle γ using $B^\pm \rightarrow DK^\pm$ with $D \rightarrow K_S^0 \pi^+ \pi^-$, $K_S^0 K^+ K^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1408.2748 [hep-ex], JHEP **10**, 97 (2014)
181. **“Search for CP violation using T -odd correlations in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1408.1299 [hep-ex], JHEP **10**, 005 (2014)
182. **“Measurement of the track reconstruction efficiency at LHCb”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1408.1251 [hep-ex], JINST **10**, P02007 (2015)
183. **“First observations of the rare decays $B^+ \rightarrow K^+ \pi^+ \pi^- \mu^+ \mu^-$ and $B^+ \rightarrow \phi K^+ \mu^+ \mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1408.1137 [hep-ex], JHEP **10**, 064 (2014)
184. **“Measurement of CP asymmetries in the decays $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ and $B^+ \rightarrow K^+ \mu^+ \mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1408.0978 [hep-ex], JHEP **09**, 177 (2014)
185. **“First observation of a baryonic B_c^+ decay”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1408.0971 [hep-ex], Phys. Rev. Lett. **113**, 152003 (2014)
186. **“Measurement of the $\bar{B}^0 - B^0$ and $\bar{B}_s^0 - B_s^0$ production asymmetries in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1408.0275 [hep-ex], Phys. Lett. B **739**, 218 (2014)
187. **“Measurement of CP violation parameters in $B^0 \rightarrow DK^{*0}$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1407.8136 [hep-ex], Phys. Rev. D **90**, 112002 (2014)
188. **“Study of χ_b meson production in $p p$ collisions at $\sqrt{s} = 7$ and 8 TeV and observation of the decay $\chi_b(3P) \rightarrow \Upsilon(3S)\gamma$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1407.7734 [hep-ex], Eur. Phys. J. C **74**, 3092 (2014)

189. **“Dalitz plot analysis of $B_s^0 \rightarrow \bar{D}^0 K^- \pi^+$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1407.7712 [hep-ex], Phys. Rev. D **90**, 072003 (2014)
190. **“Observation of $B_s^0 \rightarrow K^{*\pm} K^\mp$ and evidence for $B_s^0 \rightarrow K^{*-} \pi^+$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1407.7704 [hep-ex], New J. Phys. **16**, 123001 (2014)
191. **“Observation of overlapping spin-1 and spin-3 $\bar{D}^0 K^-$ resonances at mass $2.86\text{GeV}/c^2$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1407.7574 [hep-ex], Phys. Rev. Lett. **113**, 162001 (2014)
192. **“Measurement of CP violation and constraints on the CKM angle γ in $B^\pm \rightarrow DK^\pm$ with $D \rightarrow K_S^0 \pi^+ \pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1407.6211 [hep-ex], Nucl. Phys. B **888**, 169 (2014)
193. **“Measurement of CP asymmetry in $B_s^0 \rightarrow D_s^\mp K^\pm$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1407.6127 [hep-ex], JHEP **11**, 060 (2014)
194. **“Observation of charmonium pairs produced exclusively in pp collisions”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1407.5973 [hep-ex], J. Phys. G **41**, 115002 (2014)
195. **“Evidence for CP Violation in $B^+ \rightarrow p\bar{p}K^+$ Decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1407.5907 [hep-ex], Phys. Rev. Lett. **113**, 141801 (2014)
196. **“Measurement of the \bar{B}_s^0 meson lifetime in $D_s^+ \pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1407.5873 [hep-ex], Phys. Rev. Lett. **113**, 172001 (2014)
197. **“Measurement of CP violation in $B_s^0 \rightarrow \phi\phi$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1407.2222 [hep-ex], Phys. Rev. D **90**, 052011 (2014)
198. **“Measurement of the ratio of B_c^+ branching fractions to $J/\psi\pi^+$ and $J/\psi\mu^+\nu_\mu$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1407.2126 [hep-ex], Phys. Rev. D **90**, 032009 (2014)
199. **“Effective lifetime measurements in the $B_s^0 K^+ K^-, B^0 K^+$ and $B_s^{0+} K$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1406.7204 [hep-ex], Phys. Lett. B **736**, 446 (2014)
200. **“Test of lepton universality using $B^+ \rightarrow K^+ \ell^+ \ell^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1406.6482 [hep-ex], Phys. Rev. Lett. **113**, 151601 (2014)
201. **“First measurement of the charge asymmetry in beauty-quark pair production”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1406.4789 [hep-ex], Phys. Rev. Lett. **113**, 082003 (2014)
202. **“Observation of Z production in proton-lead collisions at LHCb”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1406.2885 [hep-ex], JHEP **09**, 030 (2014)
203. **“Search for CP violation in $D^\pm \rightarrow K_S^0 K^\pm$ and $D_s^\pm \rightarrow K_S^0 \pi^\pm$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1406.2624 [hep-ex], JHEP **10**, 25 (2014)

204. **“Observation of the $\Lambda_b^0 \rightarrow J/\psi p \pi^-$ decay”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1406.0755 [hep-ex], JHEP **07**, 103 (2014)
205. **“Precision measurement of the mass and lifetime of the Ξ_b^0 baryon”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1405.7223 [hep-ex], Phys. Rev. Lett. **113**, 032001 (2014)
206. **“Study of the kinematic dependences of Λ_b^0 production in pp collisions and a measurement of the $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ branching fraction”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1405.6842 [hep-ex], JHEP **08**, 143 (2014)
207. **“Study of Υ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}}=5$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1405.5152 [nucl-ex], JHEP **07**, 094 (2014)
208. **“Measurement of the CP-violating phase ϕ_s in $\overline{B}_s^0 \rightarrow J/\psi \pi^+ \pi^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1405.4140 [hep-ex], Phys. Lett. B **736**, 186 (2014)
209. **“Observation of the $B_s^0 \rightarrow J/\psi K_s^0 K^\pm \pi^\mp$ decay”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1405.3219 [hep-ex], JHEP **07**, 140 (2014)
210. **“Measurement of CP asymmetry in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1405.2797 [hep-ex], JHEP **07**, 041 (2014)
211. **“Measurement of the Ξ_b^- and Ω_b^- baryon lifetimes”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1405.1543 [hep-ex], Phys. Lett. B **736**, 154 (2014)
212. **“Measurement of the resonant and CP components in $\overline{B}^0 \rightarrow J/\psi \pi^+ \pi^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1404.5673 [hep-ex], Phys. Rev. D **90**, 012003 (2014)
213. **“Observation of the resonant character of the $Z(4430)^-$ state”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1404.1903 [hep-ex], Phys. Rev. Lett. **112**, 222002 (2014)
214. **“Evidence for the decay $B_c^+ \rightarrow J/\psi 3\pi^+ 2\pi^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1404.0287 [hep-ex], JHEP **05**, 148 (2014)
215. **“Evidence for the decay $X(3872) \rightarrow \psi(2S)\gamma$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1404.0275 [hep-ex], Nucl. Phys. B **886**, 665 (2014)
216. **“Angular analysis of charged and neutral $B \rightarrow K \mu^+ \mu^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1403.8045 [hep-ex], JHEP **05**, 082 (2014)
217. **“Differential branching fractions and isospin asymmetries of $B \rightarrow K^{(*)} \mu^+ \mu^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1403.8044 [hep-ex], JHEP **06**, 133 (2014)
218. **“Study of beauty hadron decays into pairs of charm hadrons”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1403.3606 [hep-ex], Phys. Rev. Lett. **112**, 202001 (2014)

219. **“Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \phi K^*(892)^0$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1403.2888 [hep-ex], JHEP **05**, 069 (2014)
220. **“Measurement of $\psi(2S)$ polarisation in pp collisions at $\sqrt{s} = 7$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1403.1339 [hep-ex], Eur. Phys. J. C **74**, 2872 (2014)
221. **“Observation of photon polarization in the $b \rightarrow s\gamma$ transition”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1402.6852 [hep-ex], Phys. Rev. Lett. **112**, 161801 (2014)
222. **“Measurement of resonant and CP components in $\bar{B}_s^0 \rightarrow J/\psi\pi^+\pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1402.6248 [hep-ex], Phys. Rev. D **89**, 092006 (2014)
223. **“Precision measurement of the ratio of the Λ_b^0 to \bar{B}^0 lifetimes”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1402.6242 [hep-ex], Phys. Lett. B **734**, 122 (2014)
224. **“Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1402.4430 [hep-ex], Eur. Phys. J. C **74**, 2888 (2014)
225. **“A study of CP violation in $B^\pm \rightarrow DK^\pm$ and $B^\pm \rightarrow D\pi^\pm$ decays with $D \rightarrow K_S^0 K^\pm\pi^\mp$ final states”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1402.2982 [hep-ex], Phys. Lett. B **733**, 36 (2014)
226. **“Measurements of the B^+, B^0, B_s^0 meson and Λ_b^0 baryon lifetimes”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1402.2554 [hep-ex], JHEP **04**, 114 (2014)
227. **“Measurement of Υ production in pp collisions at $\sqrt{s} = 2.76$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1402.2539 [hep-ex], Eur. Phys. J. C **74**, 2835 (2014)
228. **“Searches for Λ_b^0 and Ξ_b^0 decays to $K_S^0 p\pi^-$ and $K_S^0 pK^-$ final states with first observation of the $\Lambda_b^0 \rightarrow K_S^0 p\pi^-$ decay”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1402.0770 [hep-ex], JHEP **04**, 087 (2014)
229. **“Measurement of the B_c^+ meson lifetime using $B_c^+ \rightarrow J/\psi\mu^+\nu_\mu X$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1401.6932 [hep-ex], Eur. Phys. J. C **74**, 2839 (2014)
230. **“Search for Majorana neutrinos in $B^- \rightarrow \pi^+\mu^-\mu^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1401.5361 [hep-ex], Phys. Rev. Lett. **112**, 131802 (2014)
231. **“Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1401.3288 [hep-ex], J. Phys. G **41**, 055002 (2014)
232. **“Observation of associated production of a Z boson with a D meson in the forward region”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1401.3245 [hep-ex], JHEP **04**, 091 (2014)
233. **“Heavy flavour at the Large Hadron Collider”**
V. Gibson.
Phys. Scripta T **158**, 014021 (2013).

234. **“Measurement of the $\bar{B}_s^0 \rightarrow D_s^- D_s^+$ and $\bar{B}_s^0 \rightarrow D^- D_s^+$ effective lifetimes”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1312.1217 [hep-ex], Phys. Rev. Lett. **112**, 111802 (2014)
235. **“Studies of beauty baryon decays to $D^0 p h^-$ and $\Lambda_c^+ h^-$ final states”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1311.4823 [hep-ex], Phys. Rev. D **89**, 032001 (2014)
236. **“Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1310.8197 [hep-ex], JHEP **01**, 033 (2014)
237. **“Search for CP violation in the decay $D^+ \rightarrow \pi^- \pi^+ \pi^+$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1310.7953 [hep-ex], Phys. Lett. B **728**, 585 (2014)
238. **“Measurements of indirect CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1310.7201 [hep-ex], Phys. Rev. Lett. **112**, 041801 (2014)
239. **“Measurement of CP violation in the phase space of $B^\pm \rightarrow K^+ K^- \pi^\pm$ and $B^\pm \rightarrow \pi^+ \pi^- \pi^\pm$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1310.4740 [hep-ex], Phys. Rev. Lett. **112**, 011801 (2014)
240. **“Search for the doubly charmed baryon Ξ_{cc}^+ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1310.2538 [hep-ex], JHEP **12**, 090 (2013)
241. **“Search for the decay $D^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1310.2535 [hep-ex], Phys. Lett. B **728**, 234 (2014)
242. **“Observation of $B_c^0(s) \rightarrow J/\psi f_1(1285)$ decays and measurement of the $f_1(1285)$ mixing angle”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1310.2145 [hep-ex], Phys. Rev. Lett. **112**, 091802 (2014)
243. **“Measurement of $D^0 - \bar{D}^0$ mixing parameters and search for CP violation using $D^0 \rightarrow K^+ \pi^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1309.6534 [hep-ex], Phys. Rev. Lett. **111**, 251801 (2013)
244. **“Measurement of the charge asymmetry in $B^\pm \rightarrow \phi K^\pm$ and search for $B^\pm \rightarrow \phi \pi^\pm$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1309.3742 [hep-ex], Phys. Lett. B **728**, 85 (2014)
245. **“Observation of the decay $B_c \rightarrow J/\psi K^+ K^- \pi^+$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1309.0587 [hep-ex], JHEP **11**, 094 (2013)
246. **“Study of J/ψ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1308.6729 [nucl-ex], JHEP **02**, 072 (2014)
247. **“First observation of $\bar{B}^0 \rightarrow J/\psi K^+ K^-$ and search for $\bar{B}^0 \rightarrow J/\psi \phi$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1308.5916 [hep-ex], Phys. Rev. D **88**, 072005 (2013)
248. **“Observation of the decay $B_s^0 \rightarrow \bar{D}^0 \phi$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1308.4583 [hep-ex], Phys. Lett. B **727**, 403 (2013)

249. **“Observation of the decay $B_c^+ \rightarrow B_s^0 \pi^+$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1308.4544 [hep-ex], Phys. Rev. Lett. **111**, 181801 (2013)
250. **“Model-independent search for CP violation in $D^0 \rightarrow K^- K^+ \pi^- \pi^+$ and $D^0 \rightarrow \pi^- \pi^+ \pi^+ \pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1308.3189 [hep-ex], Phys. Lett. B **726**, 623 (2013)
251. **“Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1308.1707 [hep-ex], Phys. Rev. Lett. **111**, 191801 (2013)
252. **“First measurement of time-dependent CP violation in $B_s^0 \rightarrow K^+ K^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1308.1428 [hep-ex], JHEP **10**, 183 (2013)
253. **“Measurement of the CP asymmetry in $B^+ \rightarrow K^+ \mu^+ \mu^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1308.1340 [hep-ex], Phys. Rev. Lett. **111**, 151801 (2013)
254. **“Observation of B_s^0 - \bar{B}_s^0 mixing and measurement of mixing frequencies using semileptonic B decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1308.1302 [hep-ex], Eur. Phys. J. C **73**, 2655 (2013)
255. **“Branching fraction and CP asymmetry of the decays $B^+ \rightarrow K_s^0 \pi^+$ and $B^+ \rightarrow K_s^0 K^+$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1308.1277 [hep-ex],
10.1016/j.physletb.2013.09.046 Phys. Lett. B **726**, 646 (2013)
256. **“Measurement of the flavour-specific CP -violating asymmetry a_{sl}^s in B_s^0 decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1308.1048 [hep-ex]
Phys. Lett. B **728**, 607 (2014)
257. **“First evidence for the two-body charmless baryonic decay $B^0 \rightarrow p \bar{p}$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1308.0961 [hep-ex]
JHEP **10**, 005 (2013)
258. **“Study of $B_{(s)}^0 \rightarrow K_S^0 h^+ h'^-$ decays with first observation of $B_s^0 \rightarrow K_S^0 K^\pm \pi^\mp$ and $B_s^0 \rightarrow K_S^0 \pi^+ \pi^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1307.7648 [hep-ex]
JHEP **10**, 143 (2013)
259. **“Observation of a resonance in $B^+ \rightarrow K^+ \mu^+ \mu^-$ decays at low recoil”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1307.7595 [hep-ex]
Phys. Rev. Lett. **111**, 112003 (2013)
260. **“Measurement of J/ψ polarization in pp collisions at $\sqrt{s} = 7$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1307.6379 [hep-ex]
Eur. Phys. J. C **73**, 2631 (2013)
261. **“Studies of the decays $B^+ \rightarrow p \bar{p} h^+$ and observation of $B^+ \rightarrow \bar{\Lambda}(1520) p$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1307.6165 [hep-ex]
10.1103/PhysRevD.88.052015
Phys. Rev. D **88**, 052015 (2013)

262. **“Measurement of the $B_s^0 \rightarrow \mu^+\mu^-$ branching fraction and search for $B^0 \rightarrow \mu^+\mu^-$ decays at the LHCb experiment”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1307.5024 [hep-ex]
 Phys. Rev. Lett. **111**, 101805 (2013)
263. **“Search for the lepton-flavor violating decays $B_s^0 \rightarrow e^\pm\mu^\mp$ and $B^0 \rightarrow e^\pm\mu^\mp$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1307.4889 [hep-ex]
 Phys. Rev. Lett. **111**, 141801 (2013)
264. **“Study of D_J meson decays to $D^+\pi^-$, $D^0\pi^+$ and $D^{*+}\pi^-$ final states in pp collision”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1307.4556
 JHEP **09**, 145 (2013)
265. **“Measurement of the relative rate of prompt χ_{c0} , χ_{c1} and χ_{c2} production at $\sqrt{s} = 7\text{TeV}$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1307.4285 [hep-ex]
 JHEP **10**, 115 (2013)
266. **“Measurement of the polarization amplitudes in $B^0 \rightarrow J/\psi K^*(892)^0$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1307.2782 [hep-ex]
 Phys. Rev. D **88**, 052002 (2013)
267. **“Precision measurement of the Λ_b^0 baryon lifetime”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1307.2476 [hep-ex]
 Phys. Rev. Lett. **111**, 102003 (2013)
268. **“First observation of the decay $B_c^+ \rightarrow J/\psi K^+$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1306.6723 [hep-ex]
 JHEP **09**, 075 (2013)
269. **“Searches for $B_{(s)}^0 \rightarrow J/\psi p\bar{p}$ and $B^+ \rightarrow J/\psi p\bar{p}\pi^+$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1306.4489 [hep-ex]
 JHEP **09**, 006 (2013)
270. **“Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s} = 7\text{TeV}$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1306.3663, arXiv:1306.3663 [hep-ex]
 JHEP **08**, 117 (2013)
271. **“Measurement of the differential branching fraction of the decay $\Lambda_b^0 \rightarrow \Lambda\mu^+\mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1306.2577 [hep-ex]
 Phys. Lett. B **725**, 25 (2013)
272. **“First observation of the decay $B_s^0 \rightarrow \phi\bar{K}^{*0}$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1306.2239 [hep-ex]
 JHEP **11**, 092 (2013)
273. **“Measurement of CP violation in the phase space of $B^\pm \rightarrow K^\pm\pi^+\pi^-$ and $B^\pm \rightarrow K^\pm K^+K^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1306.1246 [hep-ex]
 Phys. Rev. Lett. **111**, 101801 (2013)

274. **“Observation of $B_s^0 \rightarrow \chi_{c1}\phi$ decay and study of $B^0 \rightarrow \chi_{c1,2}K^{*0}$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1305.6511 [hep-ex]
 Nucl. Phys. B **874**, 663 (2013)
275. **“Search for the rare decay $D^0 \rightarrow \mu^+\mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1305.5059 [hep-ex]
 Phys. Lett. B **725**, 15 (2013)
276. **“Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \phi\mu^+\mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1305.2168 [hep-ex]
 JHEP **07**, 084 (2013)
277. **“Measurement of the CKM angle γ from a combination of $B^\pm \rightarrow Dh^\pm$ analyses”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1305.2050 [hep-ex]
278. **“Production of J/ψ and Υ mesons in pp collisions at $\sqrt{s}=8$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.6977 [hep-ex]
 JHEP **06**, 064 (2013)
279. **“Precision measurement of D meson mass differences”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.6865 [hep-ex]
 JHEP **06**, 065 (2013)
280. **“Search for $D_{(s)}^+ \rightarrow \pi^+\mu^+\mu^-$ and $D_{(s)}^+ \rightarrow \pi^-\mu^+\mu^+$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.6365 [hep-ex]
 Phys. Lett. B **724**, 203 (2013)
281. **“Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0}\mu^+\mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.6325 [hep-ex]
 JHEP **08**, 131 (2013)
282. **“Measurement of the branching fractions of the decays $B_s^0 \rightarrow \bar{D}^0 K^-\pi^+$ and $B^0 \rightarrow \bar{D}^0 K^+\pi^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.6317 [hep-ex]
 Phys. Rev. D **87**, 112009 (2013)
283. **“First observation of CP violation in the decays of B_s^0 mesons”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.6173 [hep-ex]
 Phys. Rev. Lett. **110**, 221601 (2013)
284. **“Precision measurement of the B_s^0 - \bar{B}_s^0 oscillation frequency with the decay $B_s^0 \rightarrow D_s^-\pi^+$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.4741 [hep-ex]
 New J. Phys. **15**, 053021 (2013)
285. **“Observation of $B_c^+ \rightarrow J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^{*+}$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.4530 [hep-ex]
 Phys. Rev. D **87**, 112012 (2013)

286. **“Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.4518 [hep-ex]
 Phys. Lett. B **724**, 36 (2013)
287. **“Measurement of the effective $B_s^0 \rightarrow J/\psi K_S^0$ lifetime”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.4500 [hep-ex]
 Nucl. Phys. B **873**, 275 (2013)
288. **“Measurement of the $B^0 \rightarrow K^{*0} e^+ e^-$ branching fraction at low dilepton mass”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.3035 [hep-ex]
 JHEP **05**, 159 (2013)
289. **“Measurement of CP violation and the B_s^0 meson decay width difference with $B_s^0 \rightarrow J/\psi K^+ K^-$ and $B_s^0 \rightarrow J/\psi \pi^+ \pi^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.2600 [hep-ex]
 Phys. Rev. D **87**, 112010 (2013)
290. **“Limits on neutral Higgs boson production in the forward region in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1304.2591 [hep-ex]
 JHEP **05**, 132 (2013)
291. **“Measurements of the branching fractions of $B^+ \rightarrow p \bar{p} K^+$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1303.7133 [hep-ex]
 Eur. Phys. J. C **73**, 2462 (2013)
292. **“First measurement of the CP -violating phase in $B_s^0 \rightarrow \phi \phi$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1303.7125 [hep-ex]
 Phys. Rev. Lett. **110**, 241802 (2013)
293. **“Study of $B^0 \rightarrow D^{*-} \pi^+ \pi^- \pi^+$ and $B^0 \rightarrow D^{*-} K^+ \pi^- \pi^+$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1303.6861 [hep-ex]
 Phys. Rev. D **87**, 092001 (2013)
294. **“Search for CP violation in $D^+ \rightarrow \phi \pi^+$ and $D_s^+ \rightarrow K_S^0 \pi^+$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1303.4906 [hep-ex]
 JHEP **06**, 112 (2013)
295. **“Observation of the suppressed ADS modes $B^\pm \rightarrow [\pi^\pm K^\mp \pi^+ \pi^-]_D K^\pm$ and $B^\pm \rightarrow [\pi^\pm K^\mp \pi^+ \pi^-]_D \pi^\pm$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1303.4646 [hep-ex]
 Phys. Lett. B **723**, 44 (2013)
296. **“Search for direct CP violation in $D^0 \rightarrow h^- h^+$ modes using semileptonic B decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1303.2614 [hep-ex]
 Phys. Lett. B **723**, 33 (2013)
297. **“Observation of the decay $B_c^+ \rightarrow \psi(2S) \pi^+$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1303.1737 [hep-ex]
 Phys. Rev. D **87**, 071103 (2013)

298. **“Search for rare $B_{(s)}^0 \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1303.1092 [hep-ex]
 Phys. Rev. Lett. **110**, 211801 (2013)
299. **“Search for the decay $B_s^0 \rightarrow D^{*\mp} \pi^\pm$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1302.6446 [hep-ex]
 Phys. Rev. D **87**, 071101 (2013)
300. **“Observations of $B_s^0 \rightarrow \psi(2S)\eta$ and $B_{(s)}^0 \rightarrow \psi(2S)\pi^+\pi^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1302.6354 [hep-ex]
 Nucl. Phys. B **871**, 403 (2013)
301. **(*) “Determination of the X(3872) meson quantum numbers”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1302.6269 [hep-ex]
 Phys. Rev. Lett. **110**, 222001 (2013)
302. **“First observations of $\bar{B}_s^0 \rightarrow D^+ D^-$, $D_s^+ D^-$ and $D^0 \bar{D}^0$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1302.5854 [hep-ex]
 Phys. Rev. D **87**, 092007 (2013)
303. **“Measurements of the $\Lambda_b^0 \rightarrow J/\psi \Lambda$ decay amplitudes and the Λ_b^0 polarisation in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1302.5578 [hep-ex]
 Phys. Lett. B **724**, 27 (2013)
304. **“Electroweak Measurements in Electron-Positron Collisions at W-Boson-Pair Energies at LEP”**
 S. Schael *et al.* [ALEPH and DELPHI and L3 and OPAL and LEP Electroweak Working Group Collaborations].
 arXiv:1302.3415 [hep-ex]
305. **“Prompt charm production in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1302.2864 [hep-ex]
 Nucl. Phys. B **871**, 1 (2013)
306. **“Amplitude analysis and the branching fraction measurement of $\bar{B}_s^0 \rightarrow J/\psi K^+ K^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1302.1213 [hep-ex]
 Phys. Rev. D **87**, 072004 (2013)
307. **“Measurement of the Λ_b^0 , Ξ_b^- and Ω_b^- baryon masses”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1302.1072 [hep-ex]
 Phys. Rev. Lett. **110**, 182001 (2013)
308. **“Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1301.7084 [hep-ex]
 J. Phys. G **40**, 045001 (2013)
309. **“Analysis of the resonant components in $\bar{B}^0 \rightarrow J/\psi \pi^+ \pi^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1301.5347 [hep-ex]
 Phys. Rev. D **87**, no. 5, 052001 (2013)

310. **“Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1301.5286 [hep-ex]
 JHEP **04**, 001 (2013)
311. **“Measurement of CP observables in $B^0 \rightarrow DK^{*0}$ with $D \rightarrow K^+K^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1212.5205 [hep-ex]
 JHEP **03**, 067 (2013)
312. **“Measurement of the forward energy flow in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1212.4755 [hep-ex]
 Eur. Phys. J. C **73**, 2421 (2013)
313. **“Measurement of the cross-section for $Z \rightarrow e^+e^-$ production in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1212.4620 [hep-ex]
 JHEP **02**, 106 (2013)
314. **“Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1212.1045 [hep-ex]
 JHEP **02**, 041 (2013)
315. **(*)“Performance of the LHCb RICH detector at the LHC”**
 M. Adinolfi *et al.*.
 arXiv:1211.6759 [physics.ins-det]
 Eur. Phys. J. C **73**, 2431 (2013)
316. **“Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow J/\psi K_S^0$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1211.6093 [hep-ex]
 Phys. Lett. B **721**, 24 (2013)
317. **“First observation of the decay $B_{s2}^{*0}(5840)^0 \rightarrow B^{*+}K^-$ and studies of excited B_s^0 mesons”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1211.5994 [hep-ex]
 Phys. Rev. Lett. **110**, 151803 (2013)
318. **“First evidence for the Decay $B_s^0 \rightarrow \mu^+\mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1211.2674 [hep-ex]
 Phys. Rev. Lett. **110**, 021801 (2013)
319. **“First observation of the decays $\bar{B}_{(s)}^0 \rightarrow D_s^+K^-\pi^+\pi^-$ and $\bar{B}_s^0 \rightarrow D_{s1}(2536)^+\pi^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1211.1541 [Unknown]
 Phys. Rev. D **86**, 112005 (2012)
320. **“Observation of $D^0 - \bar{D}^0$ oscillations”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1211.1230 [hep-ex]
 Phys. Rev. Lett. **110**, 101802 (2013)
321. **“Measurement of the $B^0-\bar{B}^0$ oscillation frequency Δm_d with the decays $B^0 \rightarrow D^-\pi^+$ and $B^0 \rightarrow J/\psi K^{*0}$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1210.6750 [hep-ex]
 Phys. Lett. B **719**, 318 (2013)

322. **“A study of the Z production cross-section in pp collisions at $\sqrt{s} = 7$ TeV using tau final states”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1210.6289 [hep-ex]
 JHEP **01**, 111 (2013)
323. **“Measurement of the CP asymmetry in $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1210.4492 [hep-ex]
 Phys. Rev. Lett. **110**, 031801 (2013)
324. **“Measurement of the D^\pm production asymmetry in 7 TeV pp collisions”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1210.4112 [hep-ex]
 Phys. Lett. B **718**, 902 (2013)
325. **“First observation of the decay $B^+ \rightarrow \pi^+ \mu^+ \mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1210.2645 [hep-ex]
 JHEP **12**, 125 (2012)
326. **“Evidence for the decay $B^0 \rightarrow J/\psi \omega$ and measurement of the relative branching fractions of B_s^0 meson decays to $J/\psi \eta$ and $J/\psi \eta'$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1210.2631 [hep-ex]
 Nucl. Phys. B **867**, 547 (2013)
327. **“First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \phi$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1210.1089 [hep-ex]
 JHEP **02**, 043 (2013)
328. **“A model-independent Dalitz plot analysis of $B^\pm \rightarrow DK^\pm$ with $D \rightarrow K_S^0 h^+ h^-$ ($h = \pi, K$) decays and constraints on the CKM angle γ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1209.5869 [hep-ex]
 Phys. Lett. B **718**, 43 (2012)
329. **“Measurements of B_c^+ production and mass with the $B_c^+ \rightarrow J/\psi \pi^+$ decay”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1209.5634 [hep-ex]
 Phys. Rev. Lett. **109**, 232001 (2012)
330. **“Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1209.4284 [hep-ex]
 JHEP **02**, 105 (2013)
331. **“Search for the rare decay $K_S \rightarrow \mu^+ \mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1209.4029 [hep-ex]
 JHEP **01**, 090 (2013)
332. **“Measurement of the ratio of branching fractions $\text{BR}(B^0 \rightarrow K^{*0} \gamma)/\text{BR}(B_s^0 \rightarrow \phi \gamma)$ and the direct CP asymmetry in $B^0 \rightarrow K^{*0} \gamma$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1209.0313 [hep-ex]
 Nucl. Phys. B **867**, 1 (2013)
333. **“Measurement of the fraction of $\Upsilon(1S)$ originating from $\chi_b(1P)$ decays in pp collisions at $\sqrt{s} = 7$ TeV”**

- R. Aaij *et al.* [LHCb Collaboration].
arXiv:1209.0282 [hep-ex]
JHEP **11**, 031 (2012)
334. **“Implications of LHCb measurements and future prospects”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1208.3355 [hep-ex]
Eur. Phys. J. C **73**, 2373 (2013)
335. **“Flavour physics and the Large Hadron Collider beauty experiment”**
V. Gibson.
Phil. Trans. Roy. Soc. Lond. A **370**, 907 (2012).
336. **“Measurement of the $B_s^0 \rightarrow J/\psi K^{*0}$ branching fraction and angular amplitudes”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1208.0738 [hep-ex]
Phys. Rev. D **86**, 071102 (2012)
337. **“Study of D_{sJ} decays to $D^+ K_s^0$ and $D^0 K^+$ final states in pp collisions”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1207.6016 [hep-ex]
JHEP **10**, 151 (2012)
338. **(*)“Measurement of the effective $B_s^0 \rightarrow K^+ K^-$ lifetime”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1207.5993 [hep-ex]
Phys. Lett. B **716**, 393 (2012)
339. **“Observation of the decay $B^0 \rightarrow \overline{D^0} K^+ K^-$ and evidence for $B_s \rightarrow \overline{D^0} K^+ K^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1207.5991 [hep-ex]
Phys. Rev. Lett. **109**, 131801 (2012)
340. **“Measurement of the B_s effective lifetime in the $J/\psi f_0(980)$ final state”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1207.0878 [hep-ex]
Phys. Rev. Lett. **109**, 152002 (2012)
341. **“Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1206.5160 [hep-ex]
Eur. Phys. J. C **72**, 2168 (2012)
342. **“Measurement of b -hadron branching fractions for two-body decays into charmless charged hadrons”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1206.2794 [hep-ex]
JHEP **10**, 037 (2012)
343. **“Observation of excited Λ_b^0 baryons”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1205.3452 [hep-ex]
Phys. Rev. Lett. **109**, 172003 (2012)
344. **“Measurement of the isospin asymmetry in $B \rightarrow K^{(*)} \mu^+ \mu^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1205.3422 [hep-ex]
JHEP **07**, 133 (2012)
345. **“Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV”**

- R. Aaij *et al.* [LHCb Collaboration].
arXiv:1205.0975 [hep-ex]
JHEP **06**, 141 (2012), [JHEP **03**, 108 (2014)]
346. **“Measurement of the $B_s^0 \rightarrow J/\psi K_S^0$ branching fraction”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1205.0934 [hep-ex]
Phys. Lett. B **713**, 172 (2012)
347. **“Measurement of relative branching fractions of B decays to $\psi(2S)$ and J/ψ mesons”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1205.0918 [hep-ex]
Eur. Phys. J. C **72**, 2118 (2012)
348. **“Measurement of the $D_s^+ - D_s^-$ production asymmetry in 7 TeV pp collisions”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1205.0897 [hep-ex]
Phys. Lett. B **713**, 186 (2012)
349. **“LHCb upgrade”**
R. Aaij *et al.* [LHCb Collaboration].
Framework technical design report, CERN-LHCC-2012-007
350. **“Measurement of the CP-violating phase ϕ_s in $\bar{B}_s^0 \rightarrow J/\psi \pi^+ \pi^-$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1204.5675 [hep-ex]
Phys. Lett. B **713**, 378 (2012)
351. **“Analysis of the resonant components in $B_s \rightarrow J/\psi \pi^+ \pi^-$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1204.5643 [hep-ex]
Phys. Rev. D **86**, 052006 (2012)
352. **“Measurement of the polarization amplitudes and triple product asymmetries in the $B_s^0 \rightarrow \phi \phi$ decay”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1204.2813 [hep-ex]
Phys. Lett. B **713**, 369 (2012)
353. **“Inclusive W and Z production in the forward region at $\sqrt{s} = 7$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1204.1620 [hep-ex]
JHEP **06**, 058 (2012)
354. **(\star)“Measurement of the ratio of prompt χ_c to J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1204.1462 [hep-ex]
Phys. Lett. B **718**, 431 (2012)
355. **“Measurement of $\psi(2S)$ meson production in pp collisions at $\sqrt{s} = 7$ TeV”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1204.1258 [hep-ex]
Eur. Phys. J. C **72**, 2100 (2012)
356. **“Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^\mp K^\pm$ and $B_s^0 \rightarrow D_s^- \pi^+$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1204.1237 [hep-ex]
JHEP **06**, 115 (2012)

357. **“First observation of the decay $B_c^+ \rightarrow J/\psi\pi^+\pi^-\pi^+$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1204.0079 [hep-ex]
 Phys. Rev. Lett. **108**, 251802 (2012)
358. **“Strong constraints on the rare decays $B_s \rightarrow \mu^+\mu^-$ and $B^0 \rightarrow \mu^+\mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1203.4493 [hep-ex]
 Phys. Rev. Lett. **108**, 231801 (2012)
359. **“Observation of CP violation in $B^+ \rightarrow DK^+$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1203.3662 [hep-ex]
 Phys. Lett. B **712**, 203 (2012), [Erratum-ibid. B **713**, 351 (2012)]
360. **“Measurements of the branching fractions and CP asymmetries of $B^+ \rightarrow J/\psi\pi^+$ and $B^+ \rightarrow \psi(2S)\pi^+$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1203.3592 [hep-ex]
 Phys. Rev. D **85**, 091105 (2012)
361. **“Measurement of Υ production in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1202.6579 [hep-ex]
 Eur. Phys. J. C **72**, 2025 (2012)
362. **“Measurement of the ratio of branching fractions $\mathcal{B}(B^0 \rightarrow K^{*0}\gamma)/\mathcal{B}(B_s^0 \rightarrow \phi\gamma)$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1202.6267 [hep-ex]
 Phys. Rev. D **85**, 112013 (2012)
363. **“First evidence of direct CP violation in charmless two-body decays of B_s mesons”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1202.6251 [hep-ex]
 Phys. Rev. Lett. **108**, 201601 (2012)
364. **“Search for the $X(4140)$ state in $B^+ \rightarrow J/\psi\phi K^+$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1202.5087 [hep-ex]
 Phys. Rev. D **85**, 091103 (2012)
365. **“Opposite-side flavour tagging of B mesons at the LHCb experiment”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1202.4979 [hep-ex]
 Eur. Phys. J. C **72**, 2022 (2012)
366. **“Measurement of the B^\pm production cross-section in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1202.4812 [hep-ex]
 JHEP **04**, 093 (2012)
367. **“Determination of the sign of the decay width difference in the B_s system”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1202.4717 [hep-ex]
 Phys. Rev. Lett. **108**, 241801 (2012)
368. **(*)“Measurement of the cross-section ratio $\sigma(\chi_{c2})/\sigma(\chi_{c1})$ for prompt χ_c production at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1202.1080 [hep-ex]
 Phys. Lett. B **714**, 215 (2012)

369. **“Searches for Majorana neutrinos in B^- decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1201.5600 [hep-ex]
 Phys. Rev. D **85**, 112004 (2012)
370. **“First observation of the decays $\bar{B}^0 \rightarrow D^+ K^- \pi^+ \pi^-$ and $B^- \rightarrow D^0 K^- \pi^+ \pi^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1201.4402 [hep-ex]
 Phys. Rev. Lett. **108**, 161801 (2012)
371. **“Observation of X(3872) production in pp collisions at $\sqrt{s} = 7$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1112.5310 [hep-ex]
 Eur. Phys. J. C **72**, 1972 (2012)
372. **“Measurement of b-hadron masses”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1112.4896 [hep-ex]
 Phys. Lett. B **708**, 241 (2012)
373. **“Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1112.4592 [hep-ex]
 Eur. Phys. J. C **72**, 1947 (2012)
374. **“Observation of $B_s \rightarrow J/\psi f_2'(1525)$ in $J/\psi K^+ K^-$ final states”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1112.4695 [hep-ex]
 Phys. Rev. Lett. **108**, 151801 (2012)
375. **“Measurement of mixing and CP violation parameters in two-body charm decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1112.4698 [hep-ex]
 JHEP **04**, 129 (2012)
376. **“Measurement of the $B_s^0 - \bar{B}_s^0$ oscillation frequency Δm_s in $B_s^0 \rightarrow D_s^-(3)\pi$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1112.4311 [hep-ex]
 Phys. Lett. B **709**, 177 (2012)
377. **“Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1112.3515 [hep-ex]
 Phys. Rev. Lett. **108**, 181806 (2012)
378. **“Measurement of the CP-violating phase ϕ_s in the decay $B_s \rightarrow J/\psi \phi$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1112.3183 [hep-ex]
 Phys. Rev. Lett. **108**, 101803 (2012)
379. **“Measurement of the CP violating phase ϕ_s in $\bar{B}_s^0 \rightarrow J/\psi f_0(980)$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1112.3056 [hep-ex]
 Phys. Lett. B **707**, 497 (2012)
380. **“Search for the rare decays $B_s \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1112.1600 [hep-ex]
 Phys. Lett. B **708**, 55 (2012)

381. **“Evidence for CP violation in time-integrated $D^0 \rightarrow h^- h^+$ decay rates”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1112.0938 [hep-ex]
 Phys. Rev. Lett. **108**, 111602 (2012)
382. **“First observation of the decay $B_s^0 \rightarrow K^{*0} \bar{K}^{*0}$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1111.4183 [hep-ex]
 Phys. Lett. B **709**, 50 (2012)
383. **“Measurement of b hadron production fractions in 7 TeV pp collisions”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1111.2357 [hep-ex]
 Phys. Rev. D **85**, 032008 (2012)
384. (★) **“Measurement of the effective $B_s^0 \rightarrow K^+ K^-$ lifetime”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1111.0521 [hep-ex]
 Phys. Lett. B **707**, 349 (2012)
385. **“Search for CP violation in $D^+ \rightarrow K^- K^+ \pi^+$ decays”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1110.3970 [hep-ex]
 Phys. Rev. D **84**, 112008 (2011)
386. **“First observation of the decay $\bar{B}_s^0 \rightarrow D^0 K^{*0}$ and a measurement of the ratio of branching fractions $\frac{\mathcal{B}(\bar{B}_s^0 \rightarrow D^0 K^{*0})}{\mathcal{B}(\bar{B}^0 \rightarrow D^0 \rho^0)}$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1110.3676 [hep-ex]
 Phys. Lett. B **706**, 32 (2011)
387. **“LHCb upgrade”**
 R. Aaij *et al.* [LHCb Collaboration].
 Letter of intent, CERN-LHCC-2011-001
388. **“Absolute luminosity measurements with the LHCb detector at the LHC”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1110.2866 [hep-ex]
 JINST **7**, P01010 (2012)
389. **“Search for the lepton number violating decays $B^+ \rightarrow \pi^- \mu^+ \mu^+$ and $B^+ \rightarrow K^- \mu^+ \mu^+$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1110.0730 [hep-ex]
 Phys. Rev. Lett. **108**, 101601 (2012)
390. **“Measurements of the Branching fractions for $B_s \rightarrow D_s \pi \pi \pi$ and $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi \pi \pi$ ”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1109.6831 [hep-ex]
 Phys. Rev. D **84**, 092001 (2011), [Erratum-ibid. D **85**, 039904 (2012)]
391. **“Performance of a multianode photo multiplier cluster equipped with lenses”**
 V. Gibson, S. Katvars, S. A. Wotton, E. Albrecht, L. Eklund, S. Eisenhardt, F. Muheim and S. Playfer *et al.*
 CERN-LHCb-2000-083
392. **“LHCb RICH 2 engineering design review report”**
 M. Adinolfi, E. Albrecht, L. R. Allebone, M. Ameri, G. J. Barber, A. Barczyk, T. F. Bellunato and M. Benayoun *et al.*
 CERN-LHCb-2002-009

393. **“Performance of a prototype RICH detector using hybrid photo-diodes”**
E. Albrecht, G. Barber, J. H. Billy, N. H. Brook, A. Duane, M. French, V. Gibson and R. Giles *et al.*
CERN-LHCb-2000-068a
394. **“Proposal for multi-anode photo multiplier tubes as photo detectors for the LHCb RICH”**
F. Muheim, V. Gibson, S. Katvars, S. Wotton, E. Albrecht, R. Bernet, S. Eisenhardt and F. Muheim
et al.
CERN-LHCb-2000-065
395. **“Measurement of the $B_s^0 \rightarrow K^+K^-$ lifetime relative to the $B_d^0 \rightarrow K^+\pi^-$ lifetime”**
H. Cliff, V. Gibson and U. Kerzel.
CERN-LHCb-PUB-2009-023
396. **“Unbiased $B_s \rightarrow K^+K^-$ lifetime measurement”**
V. Gibson and U. Kerzel.
CERN-LHCb-PUB-2009-024
397. **“A study of the angular properties of the $X(3872) \rightarrow J/\psi\pi^+\pi^-$ decay”**
N. Mangiafave, J. Dickens and V. Gibson.
CERN-LHCb-2010-003
398. **“Observation of J/ψ pair production in pp collisions at $\sqrt{s} = 7\text{TeV}$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1109.0963 [hep-ex]
Phys. Lett. B **707**, 52 (2012)
399. **“Measurement of the inclusive ϕ cross-section in pp collisions at $\sqrt{s} = 7\text{TeV}$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1107.3935 [hep-ex]
Phys. Lett. B **703**, 267 (2011)
400. **“Measurement of V^0 production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7TeV ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1107.0882 [hep-ex]
JHEP **08**, 034 (2011)
401. **“Determination of f_s/f_d for 7TeV pp collisions and a measurement of the branching fraction of the decay $B_d \rightarrow D^-K^+$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1106.4435 [hep-ex]
Phys. Rev. Lett. **107**, 211801 (2011)
402. **“Search for the rare decays $B_s \rightarrow \mu\mu$ and $B_d \rightarrow \mu\mu$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1103.2465 [hep-ex]
Phys. Lett. B **699**, 330 (2011)
403. **“Measurement of J/ψ production in pp collisions at $\sqrt{s} = 7\text{TeV}$ ”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1103.0423 [hep-ex]
Eur. Phys. J. C **71**, 1645 (2011)
404. **“First observation of $B_s \rightarrow D_{s2}^{*+} X \mu\nu$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1102.0348 [hep-ex]
Phys. Lett. B **698**, 14 (2011)
405. **“First observation of $B_s \rightarrow J/\psi f_0(980)$ decays”**
R. Aaij *et al.* [LHCb Collaboration].
arXiv:1102.0206 [hep-ex]
Phys. Lett. B **698**, 115 (2011)

406. **“Measurement of $\sigma(pp \rightarrow b\bar{b}X)$ at $\sqrt{s} = 7$ TeV in the forward region”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1009.2731 [hep-ex]
 Phys. Lett. B **694**, 209 (2010)
407. **“Prompt K_s production in pp collisions at $\sqrt{s} = 0.9$ TeV”**
 R. Aaij *et al.* [LHCb Collaboration].
 arXiv:1008.3105 [hep-ex]
 Phys. Lett. B **693**, 69 (2010)
408. **“Roadmap for selected key measurements of LHCb”**
 B. Adeva *et al.* [LHCb Collaboration].
 arXiv:0912.4179 [hep-ex]
409. **(*)“Performance of the LHCb RICH photo-detectors and readout in a system test using charged particles from a 25-ns-structured beam”**
 M. Adinolfi, E. Albrecht, C. D’Ambrosio, T. Gys, J. Morant, D. Piedigrossi, M. Patel and K. Wyllie *et al.*
 Nucl. Instrum. Meth. A **603**, 287 (2009).
410. **“ $B^\pm \rightarrow D^0 \overline{D^0}(K_{(S)}^0 \pi^+ \pi^-) K^\pm$ selection studies at LHCb”**
 V. Gibson, C. Lazzeroni and Y. Y. Li.
 CERN-LHCb-2008-028
411. **“The LHCb detector at the LHC”**
 A. A. Alves, Jr. *et al.* [LHCb Collaboration].
 JINST **3**, S08005 (2008).
412. **“Determination of the CKM-angle γ with tree-level processes at LHCb”**
 K. Akiba, J. Borel, S. Cohen, M. Gandelman, V. Gibson, V. Gligorov, J. van Hunen and C. Lazzeroni *et al.*
 CERN-LHCb-PUB-2008-031
413. **“ B , D and K decays”**
 M. Artuso, D. M. Asner, P. Ball, E. Baracchini, G. Bell, M. Beneke, J. Berryhill and A. Bevan *et al.*
 arXiv:0801.1833 [hep-ph]
 Eur. Phys. J. C **57**, 309 (2008)
414. **“Measuring γ at LHCb with $B^\pm \rightarrow \overline{D^0}/D^0(K_{(S)}^0 \pi^+ \pi^-) K^\pm$ decays”**
 V. Gibson, C. Lazzeroni and J. Libby.
 CERN-LHCb-2007-048
415. **“A study of the sensitivity to the forward-backward asymmetry in $B_d \rightarrow K^* \mu^+ \mu^-$ decays at LHCb”**
 J. Dickens, V. Gibson, C. Lazzeroni and M. Patel.
 CERN-LHCb-PUB-2007-039
416. **“The LHCb experiment”**
 V. Gibson [LHCb Collaboration].
 CERN-LHCb-PUB-2007-100
417. **“Performance of the LHCb RICH photodetectors in a charged particle beam”**
 M. Adinolfi, G. Aglieri Rinella, E. Albrecht, M. Ameri, C. Arnaboldi, T. Bellunato, J. Bibby and T. Blake *et al.*
 Nucl. Instrum. Meth. A **574**, 39 (2007).
418. **“Selection of the decay $B_d \rightarrow K^* \mu^+ \mu^-$ at LHCb”**
 J. Dickens, V. Gibson, C. Lazzeroni and M. Patel.
 CERN-LHCb-PUB-2007-038
419. **“Fruitful flavour”**
 T. J. Gershon and V. Gibson.
 Frontiers **26**, 24 (2007).

420. **“The front-end (Level-0) electronics interface module for the LHCb RICH detectors”**
M. Adinolfi, J. H. Bibby, S. Brisbane, V. Gibson, N. Harnew, M. Jones, J. Libby and A. Powell *et al.*
Nucl. Instrum. Meth. A **572**, 689 (2007).
421. **“Performance of 8- and 12-dynode stage multianode photo-multipliers”**
J. H. Bibby, A. Buckley, R. J. U. Chamonal, S. Easo, S. Eisenhardt, V. Gibson, N. Harnew and F. Muheim *et al.*
Nucl. Instrum. Meth. A **567**, 302 (2006).
422. **“LHCb computing”**
R. Antunes Nobrega *et al.* [LHCb Collaboration].
Technical design report, CERN-LHCC-2005-019
423. **“Performance of multi-anode photomultiplier tubes for the LHCb RICH detectors”**
J. Bibby, A. Buckley, R. Chamonal, S. Easo, S. Eisenhardt, V. Gibson, N. Harnew and F. Muheim *et al.*
Nucl. Instrum. Meth. A **546**, 93 (2005).
424. **“LHCb RICH 1 engineering design review report”**
N. H. Brook, R. D. Head, F. Metlica, A. Muir, A. Phillips, F. F. Wilson, A. Buckley and V. Gibson *et al.*
CERN-LHCb-2004-121
425. **“Large Hadron Collider Phenomenology (Chapter on B physics)”**
V. Gibson.
book published by the IoP 2004, ISBN 0-7503-0986-5
426. **“LHCb trigger system”**
R. Antunes Nobrega *et al.* [LHCb Collaboration].
Technical design report, CERN-LHCC-2003-031
427. **“LHCb reoptimized detector design and performance”**
R. Antunes Nobrega *et al.* [LHCb Collaboration].
Technical design report, CERN-LHCC-2003-030
428. **“LHCb inner tracker”**
A. Franco Barbosa *et al.* [LHCb Collaboration].
Technical design report, CERN-LHCC-2002-029
429. **“LHCb online system technical design report: Data acquisition and experiment control”**
P. R. Barbosa-Marinho *et al.* [LHCb Collaboration].
CERN-LHCC-2001-040
430. **“Development of an optical front-end readout system for the LHCb RICH detectors”**
N. Smale, M. Adinolfi, J. Bibby, G. Damerell, N. Harnew, S. Topp-Jorgensen, V. Gibson and S. Katvars *et al.*
7th Worskhop on Electronics for LHC Experiments, Stockholm, 2001
431. **“Performance of a cluster of multi-anode photomultipliers equipped with lenses for use in a prototype RICH detector”**
E. Albrecht, J. Baker, G. Barber, J. Bibby, M. Calvi, M. Charles, A. Duane and S. Easo *et al.*
Nucl. Instrum. Meth. A **488**, 110 (2002).
432. **“Performance of a prototype RICH detector using hybrid photo-diodes”**
E. Albrecht, G. Barber, J. H. Bibby, N. H. Brook, A. Duane, M. French, V. Gibson and R. Giles *et al.*
Nucl. Instrum. Meth. A **456**, 190 (2001).
433. **“Present and future CP measurements”**
T. Hurth, C. S. Kim, C. Shepherd-Themistocleous, F. Wilson, F. Azfar, R. J. Barlow, M. Beneke and N. Cottingham *et al.*
hep-ph/0102159
J. Phys. G G **27**, 1277 (2001)

434. **“LHCb online system”**
P.R. Barbosa Marinho *et al.* [LHCb Collaboration].
Technical design report, CERN-LHCC-2001-040
435. **“LHCb outer tracker”**
P.R. Barbosa Marinho *et al.* [LHCb Collaboration].
Technical design report, CERN-LHCC-2001-024
436. **“LHCb VELO”**
P.R. Barbosa Marinho *et al.* [LHCb Collaboration].
Technical design report, CERN-LHCC-2001-011
437. **“LHCb muon system”**
P.R. Barbosa Marinho *et al.* [LHCb Collaboration].
Technical design report, CERN-LHCC-2001-010
438. **“LHCb RICH”**
S. Amato *et al.* [LHCb Collaboration].
Technical design report, CERN-LHCC-2000-0037
439. **“LHCb calorimeters”**
S. Amato *et al.* [LHCb Collaboration].
Technical design report, CERN-LHCC-2000-0036
440. **“LHCb magnet”**
S. Amato *et al.* [LHCb Collaboration].
Technical design report, CERN-LHCC-2000-007
441. **“B Decays at the LHC”**
P. Ball, R. Fleischer, G. F. Tartarelli, P. Vikas, G. Wilkinson, J. Baines, S. P. Baranov and P. Bartalini *et al.*
hep-ph/0003238
In *Geneva 1999, Standard model physics (and more) at the LHC* 305-417
442. **“Latest beam test results from RICH prototypes using hybrid photo detectors and multi anode PMTs”**
E. Albrecht, M. Alemi, G. Barber, J. H. Bibby, N. H. Brook, A. Duane, S. Easo and L. Eklund *et al.*
Nucl. Instrum. Meth. A **433**, 159 (1999).
443. **“A prototype RICH detector using multianode photo multiplier tubes and hybrid photodiodes”**
E. Albrecht, G. Barber, J. H. Bibby, N. H. Brook, G. Doucas, A. Duane, S. Easo and L. Eklund *et al.*
hep-ex/0001053
Nucl. Instrum. Meth. A **456**, 233 (2001)
444. **“A study of $B_{(S)}^0$ meson oscillation using hadronic Z^0 decays containing leptons”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9907061
Eur. Phys. J. C **11**, 587 (1999)
445. **“Search for Higgs bosons and other massive states decaying into two photons in e^+e^- collisions at 189-GeV”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9907060
Phys. Lett. B **464**, 311 (1999)
446. **“A study of spin alignment of $\rho(770)^\pm$ and $\omega(782)$ mesons in hadronic Z^0 decays”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9906043
Eur. Phys. J. C **16**, 61 (2000)

447. **“Measurements of inclusive semileptonic branching fractions of b hadrons in Z^0 decays”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9906041
Eur. Phys. J. C **13**, 225 (2000)
448. **“Total hadronic cross-section of photon-photon interactions at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9906039
Eur. Phys. J. C **14**, 199 (2000)
449. **“Search for R-parity violating decays of scalar fermions at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9904015
Eur. Phys. J. C **12**, 1 (2000)
450. **“Test of the flavor independence of α_s using next-to-leading order calculations for heavy quarks”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9904013
Eur. Phys. J. C **11**, 643 (1999)
451. **“Search for scalar top and scalar bottom quarks at $\sqrt{s} = 189$ GeV at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9903070
Phys. Lett. B **456**, 95 (1999)
452. **“Experimental properties of gluon and quark jets from a point source”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9903027
Eur. Phys. J. C **11**, 217 (1999)
453. **“Measurements of the QED structure of the photon”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9902024
Eur. Phys. J. C **11**, 409 (1999)
454. **“Intermittency and correlations in hadronic Z^0 decays”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9902021
Eur. Phys. J. C **11**, 239 (1999)
455. **“Searches for R-parity violating decays of gauginos at 183 GeV at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9901037
Eur. Phys. J. C **11**, 619 (1999)
456. **“Measurement of the W mass and width in e^+e^- collisions at 183 GeV”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9901025
Phys. Lett. B **453**, 138 (1999)
457. **“Color reconnection studies in $e^+e^- \rightarrow W^+W^-$ at $\sqrt{s} = 183$ GeV”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9901019
Phys. Lett. B **453**, 153 (1999)
458. **“Measurement of the B^+ and B^0 lifetimes and search for CP(T) violation using reconstructed secondary vertices”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9901017
Eur. Phys. J. C **12**, 609 (2000)

459. **“Search for baryon and lepton number violating Z^0 decays”**
 G. Abbiendi *et al.* [OPAL Collaboration].
 hep-ex/9901011
 Phys. Lett. B **447**, 157 (1999)
460. **“A measurement of the product branching ratio $f(b \rightarrow \Lambda_b) \cdot BR(\Lambda_b \rightarrow \Lambda X)$ in Z^0 decays”**
 G. Abbiendi *et al.* [OPAL Collaboration].
 hep-ex/9812018
 Eur. Phys. J. C **9**, 1 (1999)
461. **“A measurement of the $\tau^- \rightarrow e - \bar{\nu}_e \nu_\tau$ branching ratio”**
 G. Abbiendi *et al.* [OPAL Collaboration].
 hep-ex/9812017
 Phys. Lett. B **447**, 134 (1999)
462. **“LHCb technical proposal”**
 S. Amato *et al.* [LHCb Collaboration].
 CERN-LHCC-1998-04
463. **“Bose-Einstein correlations in $e^+e^- \rightarrow W^+W^-$ at 172 GeV and 183 GeV”**
 G. Abbiendi *et al.* [OPAL Collaboration].
 hep-ex/9811030
 Eur. Phys. J. C **8**, 559 (1999)
464. **“Search for Higgs bosons in e^+e^- collisions at 183 GeV”**
 G. Abbiendi *et al.* [OPAL Collaboration].
 hep-ex/9811025
 Eur. Phys. J. C **7**, 407 (1999)
465. **“ W^+W^- production and triple gauge boson couplings at LEP energies up to 183 GeV”**
 G. Abbiendi *et al.* [OPAL Collaboration].
 hep-ex/9811028
 Eur. Phys. J. C **8**, 191 (1999)
466. **“Search for anomalous photonic events with missing energy in e^+e^- collisions at $\sqrt{s} = 130$ GeV, 136 GeV and 183 GeV”**
 G. Abbiendi *et al.* [OPAL Collaboration].
 hep-ex/9810021
 Eur. Phys. J. C **8**, 23 (1999)
467. **“Measurement of the semileptonic branching ratio of charm hadrons produced in $Z^0 \rightarrow c\bar{c}$ decays”**
 G. Abbiendi *et al.* [OPAL Collaboration].
 hep-ex/9810016
 Eur. Phys. J. C **8**, 573 (1999)
468. **“Search for chargino and neutralino production at $\sqrt{s} = 181$ GeV – 184 GeV at LEP”**
 G. Abbiendi *et al.* [OPAL Collaboration].
 hep-ex/9809031
 Eur. Phys. J. C **8**, 255 (1999)
469. **“A measurement of R_b using a double tagging method”**
 G. Abbiendi *et al.* [OPAL Collaboration].
 hep-ex/9810002
 Eur. Phys. J. C **8**, 217 (1999)
470. **“Measurement of the longitudinal cross-section using the direction of the thrust axis in hadronic events at LEP”**
 G. Abbiendi *et al.* [OPAL Collaboration].
 hep-ex/9808035
 Phys. Lett. B **440**, 393 (1998)

471. **“Search for acoplanar lepton pair events in e^+e^- collisions at $\sqrt{s} = 161$ GeV, 172 GeV and 183 GeV”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9808036
Eur. Phys. J. C **12**, 551 (2000)
472. **“First measurement of Z/γ^* production in Compton scattering of quasireal photons”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9808030
Phys. Lett. B **438**, 391 (1998)
473. **“Measurement of the average polarization of b baryons in hadronic Z^0 decays”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9808006
Phys. Lett. B **444**, 539 (1998)
474. **“A study of parton fragmentation in hadronic Z^0 decays using $\Lambda\bar{\Lambda}$ correlations”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9808031
Eur. Phys. J. C **13**, 185 (2000)
475. **“Dijet production in photon-photon collisions at $\sqrt{s}(ee) = 161$ GeV and 172 GeV”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9808027
Eur. Phys. J. C **10**, 547 (1999)
476. **“Production of χ_{c2} mesons in photon-photon collisions at LEP”**
K. Ackerstaff *et al.* [OPAL Collaboration].
hep-ex/9808025
Phys. Lett. B **439**, 197 (1998)
477. **“Search for scalar top and scalar bottom quarks at $\sqrt{s} = 183$ GeV at LEP”**
K. Ackerstaff *et al.* [OPAL Collaboration].
hep-ex/9808026
Eur. Phys. J. C **6**, 225 (1999)
478. **“Tests of the standard model and constraints on new physics from measurements of fermion pair production at 183 GeV at LEP”**
G. Abbiendi *et al.* [OPAL Collaboration].
hep-ex/9808023
Eur. Phys. J. C **6**, 1 (1999)
479. **“Measurement of the Michel parameters in leptonic tau decays”**
K. Ackerstaff *et al.* [OPAL Collaboration].
hep-ex/9808016
Eur. Phys. J. C **8**, 3 (1999)
480. **“Measurement of the strong coupling constant α_s and the vector and axial-vector spectral functions in hadronic tau decays”**
K. Ackerstaff *et al.* [OPAL Collaboration].
hep-ex/9808019
Eur. Phys. J. C **7**, 571 (1999)
481. **“Search for Higgs bosons and new particles decaying into two photons at $\sqrt{s} = 183$ GeV”**
K. Ackerstaff *et al.* [OPAL Collaboration].
hep-ex/9808014
Phys. Lett. B **437**, 218 (1998)
482. **“Multiphoton production in e^+e^- collisions at $\sqrt{s} = 183$ GeV”**
K. Ackerstaff *et al.* [OPAL Collaboration].
hep-ex/9808012
Phys. Lett. B **438**, 379 (1998)

483. **“Inclusive production of charged hadrons and K_S^0 mesons in photon-photon collisions”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9808009, hep-ex/9808009
 Eur. Phys. J. C **6**, 253 (1999)
484. **“Measurement of tau branching ratios to five charged hadrons”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9808011
 Eur. Phys. J. C **8**, 183 (1999)
485. **“Measurements of flavor dependent fragmentation functions in $Z^0 \rightarrow q\bar{q}$ events”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9807004
 Eur. Phys. J. C **7**, 369 (1999)
486. **“Bose-Einstein correlations of three charged pions in hadronic Z^0 decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9806036
 Eur. Phys. J. C **5**, 239 (1998)
487. **“An upper limit for the tau-neutrino mass from $\tau \rightarrow 5\pi^\pm\nu_\tau$ decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9806035
 Eur. Phys. J. C **5**, 229 (1998)
488. **“Production of K_S^0 and Λ in quark and gluon jets from Z^0 decay”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9805025
 Eur. Phys. J. C **8**, 241 (1999)
489. **“Photon and light meson production in hadronic Z^0 decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9805011
 Eur. Phys. J. C **5**, 411 (1998)
490. **“Search for stable and long-lived massive charged particles in e^+e^- collisions at $\sqrt{s} = 130$ GeV – 183 GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9803026
 Phys. Lett. B **433**, 195 (1998)
491. **“An upper limit on the anomalous magnetic moment of the tau lepton”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9803020
 Phys. Lett. B **431**, 188 (1998)
492. **“A search for neutral Higgs bosons in the MSSM and models with two scalar field doublets”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9803019
 Eur. Phys. J. C **5**, 19 (1998)
493. (★) **“First observation of Cherenkov ring images using hybrid photon detectors”**
 E. Albrecht, G. Barber, J. H. Bibby, N. H. Brook, A. Duane, M. French, V. Gibson and R. Giles *et al.*.
 Nucl. Instrum. Meth. A **411**, 249 (1998).
494. **“Search for an excess in the production of four jet events from e^+e^- collisions at $\sqrt{s} = 130$ GeV – 184 GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9802015
 Phys. Lett. B **429**, 399 (1998)

495. **“Production of $f_0(980)$, $f_2(1270)$ and $\phi(1020)$ in hadronic Z^0 decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9802013
 Eur. Phys. J. C **4**, 19 (1998)
496. **“Determination of the production rate of D^{*0} mesons and of the ratio $V / (V+P)$ in $Z^0 \rightarrow c\bar{c}$ decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9802008
 Eur. Phys. J. C **5**, 1 (1998)
497. **“Investigation of CP violation in $B^0 \rightarrow J/\psi K_S^0$ decays at LEP”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9801022
 Eur. Phys. J. C **5**, 379 (1998)
498. **“Search for the B_c meson in hadronic Z^0 decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9801026
 Phys. Lett. B **420**, 157 (1998)
499. **“CP violation physics with LHC-B”**
 V. Gibson.
 J. Phys. G G **23**, 605 (1997).
500. **“Search for charged Higgs bosons in e^+e^- collisions at $\sqrt{s} = 130$ GeV – 172 GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9802004
 Phys. Lett. B **426**, 180 (1998)
501. **“Measurements of the B_s^0 and Λ_b^0 lifetimes”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9802002
 Phys. Lett. B **426**, 161 (1998)
502. **“Measurement of the one prong hadronic tau branching ratios at LEP”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9801029
 Eur. Phys. J. C **4**, 193 (1998)
503. **“Search for anomalous production of photonic events with missing energy in e^+e^- collisions at $\sqrt{s} = 130$ GeV – 172 GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9801024
 Eur. Phys. J. C **2**, 607 (1998)
504. **“Search for anomalous production of dilepton events with missing transverse momentum in e^+e^- collisions at $\sqrt{s} = 161$ GeV and 172 GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9710010
 Eur. Phys. J. C **4**, 47 (1998)
505. **“Search for unstable heavy and excited leptons in e^+e^- collisions at $\sqrt{s} = 170$ GeV – 172 GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9709027
 Eur. Phys. J. C **1**, 45 (1998)
506. **“Measurement of triple gauge boson couplings from W^+W^- production at $\sqrt{s} = 172$ GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9709023
 Eur. Phys. J. C **2**, 597 (1998)

507. **“Search for a massive di-photon resonance at $\sqrt{s} = 91 \text{ GeV} - 172 \text{ GeV}$ ”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9709022
 Eur. Phys. J. C **1**, 31 (1998)
508. **“Measurement of the W boson mass and W^+W^- production and decay properties in e^+e^- collisions at $\sqrt{s} = 172 \text{ GeV}$ ”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9709006
 Eur. Phys. J. C **1**, 395 (1998)
509. **“Search for the standard model higgs boson in e^+e^- collisions at $\sqrt{s} = 161 \text{ GeV} - 172 \text{ GeV}$ ”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9709003
 Eur. Phys. J. C **1**, 425 (1998)
510. **“Multi-photon final states in e^+e^- collisions at $\sqrt{s} = 130 \text{ GeV} - 172 \text{ GeV}$ ”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9709002
 Eur. Phys. J. C **1**, 21 (1998)
511. **“Multiplicity distributions of gluon and quark jets and tests of QCD analytic predictions”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9708029
 Eur. Phys. J. C **1**, 479 (1998)
512. **“Polarization and forward - backward asymmetry of Lambda baryons in hadronic Z^0 decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9708027
 Eur. Phys. J. C **2**, 49 (1998)
513. **“Measurement of the photon structure function F_2^γ at low x ”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9708028
 Phys. Lett. B **412**, 225 (1997)
514. **“Tests of the standard model and constraints on new physics from measurements of fermion pair production at $130 \text{ GeV} - 172 \text{ GeV}$ at LEP”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9708024
 Eur. Phys. J. C **2**, 441 (1998)
515. **“A measurement of the B_s^0 lifetime using reconstructed D_s^- mesons”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9708023
 Eur. Phys. J. C **2**, 407 (1998)
516. **“Spin alignment of leading $K^{*0}(892)$ mesons in hadronic Z^0 decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9708022
 Phys. Lett. B **412**, 210 (1997)
517. **“Measurement of $f(c \rightarrow D^* + X)$, $f(b \rightarrow D^* + X)$ and $\Gamma(c\bar{c})/\Gamma_{hadronic}$ using $D^{*\pm}$ mesons”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9708021
 Eur. Phys. J. C **1**, 439 (1998)
518. **“The extended OPAL silicon strip microvertex detector”**
 S. Anderson *et al.* [OPAL Collaboration].
 Nucl. Instrum. Meth. A **403**, 326 (1998).

519. **“Measurement of the Q^2 evolution of the photon structure function F_2^γ ”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9708019
 Phys. Lett. B **411**, 387 (1997)
520. **“Measurement of the quark to photon fragmentation function through the inclusive production of prompt photons in hadronic Z^0 decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9708020
 Eur. Phys. J. C **2**, 39 (1998)
521. **“Search for chargino and neutralino production at $\sqrt{s} = 170$ GeV and 172 GeV at LEP”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9708018, hep-ex/9708018
 Eur. Phys. J. C **2**, 213 (1998)
522. **“Measurement of the branching fractions and forward - backward asymmetries of the Z^0 into light quarks”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9707019
 Z. Phys. C **76**, 387 (1997)
523. **“An updated study of B meson oscillations using dilepton events”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9707010
 Z. Phys. C **76**, 417 (1997)
524. **“An upper limit on the branching ratio for tau decays into seven charged particles”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9707023
 Phys. Lett. B **404**, 213 (1997)
525. **“Search for scalar top and scalar bottom quarks at $\sqrt{s} = 170$ GeV – 172 GeV in e^+e^- collisions”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Z. Phys. C **75**, 409 (1997).
526. **“A study of B meson oscillations using hadronic Z^0 decays containing leptons”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 hep-ex/9707009
 Z. Phys. C **76**, 401 (1997)
527. **“Production of P wave charm and charm - strange mesons in hadronic Z^0 decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Z. Phys. C **76**, 425 (1997).
528. **“A measurement of the hadronic decay current and the ν_τ helicity in $\tau^- \rightarrow \pi^- \pi^- \pi^+ \nu_\tau$ ”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Z. Phys. C **75**, 593 (1997).
529. **“QCD studies with e^+e^- annihilation data at 161 GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Z. Phys. C **75**, 193 (1997).
530. **“Measurements of the b quark forward - backward asymmetry around the Z^0 peak using jet charge and vertex charge”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Z. Phys. C **75**, 385 (1997).
531. **“Study of $\phi(1020)$, $D^{*\pm}$ and B^* spin alignment in hadronic Z^0 decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Z. Phys. C **74**, 437 (1997).

532. **“Measurement of the triple gauge boson coupling $\alpha_W\phi$ from W^+W^- production in e^+e^- collisions at $\sqrt{s} = 161$ GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Phys. Lett. B **397**, 147 (1997).
533. **“CP violation at LHC-B”**
 V. Gibson [LHC-B Collaboration].
 Invited talk given at the 28th International Conference on High Energy Physics, Warsaw, 1996, CAV-HEP-96-14
534. **“ B^* production in Z^0 decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Z. Phys. C **74**, 413 (1997).
535. **“Search for CP violation in $Z^0 \rightarrow \tau^+\tau^-$ and an upper limit on the weak dipole moment of the tau lepton”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Z. Phys. C **74**, 403 (1997).
536. **“Search for charged scalar leptons using the OPAL detector at $\sqrt{s} = 161$ GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Phys. Lett. B **396**, 301 (1997).
537. **“Measurement of the semileptonic branching fraction of inclusive b baryon decays to Lambda”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Z. Phys. C **74**, 423 (1997).
538. **“An improved measurement of R_b using a double tagging method”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Z. Phys. C **74**, 1 (1997).
539. **“A measurement of $|V(cb)|$ using $\overline{B^0} \rightarrow D^{*+}\ell^-\bar{\ell}\nu$ decays”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Phys. Lett. B **395**, 128 (1997).
540. **“Search for the standard model Higgs boson in e^+e^- collisions at $\sqrt{s} = 161$ GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Phys. Lett. B **393**, 231 (1997).
541. **“Production of fermion pair events in e^+e^- collisions at 161 GeV center-of-mass energy”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Phys. Lett. B **391**, 221 (1997).
542. **“Analysis of hadronic final states and the photon structure function F_2^γ in deep inelastic electron - photon scattering at LEP”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Z. Phys. C **74**, 33 (1997).
543. **“Photonic events with large missing energy in e^+e^- collisions at $\sqrt{s} = 161$ GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Phys. Lett. B **391**, 210 (1997).
544. **“Measurement of the QED longitudinal structure function of the photon using azimuthal correlations at LEP”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Z. Phys. C **74**, 49 (1997).
545. **“Measurement of the mass of the W boson in e^+e^- collisions at $\sqrt{s} = 161$ GeV”**
 K. Ackerstaff *et al.* [OPAL Collaboration].
 Phys. Lett. B **389**, 416 (1996).

546. **“Search for unstable neutral and charged heavy leptons in e^+e^- collisions at $\sqrt{s} = 161$ GeV”**
K. Ackerstaff *et al.* [OPAL Collaboration].
Phys. Lett. B **393**, 217 (1997).
547. **“Search for excited leptons in e^+e^- collisions at $\sqrt{s} = 161$ GeV”**
K. Ackerstaff *et al.* [OPAL Collaboration].
Phys. Lett. B **391**, 197 (1997).
548. **“A measurement of the average bottom hadron lifetime”**
K. Ackerstaff *et al.* [OPAL Collaboration].
Z. Phys. C **73**, 397 (1997).
549. **“Search for scalar top and scalar bottom quarks using the OPAL detector at LEP”**
K. Ackerstaff *et al.* [OPAL Collaboration].
Phys. Lett. B **389**, 197 (1996).
550. **“Search for chargino and neutralino production in e^+e^- collisions at $\sqrt{s} = 161$ GeV”**
K. Ackerstaff *et al.* [OPAL Collaboration].
Phys. Lett. B **389**, 616 (1996).
551. **“Inclusive jet production in photon-photon collisions at $\sqrt{s} = 130$ GeV and 136 GeV”**
K. Ackerstaff *et al.* [OPAL Collaboration].
Z. Phys. C **73**, 433 (1997).
552. **“Search for neutral Higgs bosons in Z^0 decays using the OPAL detector at LEP”**
G. Alexander *et al.* [OPAL Collaboration].
Z. Phys. C **73**, 189 (1997).
553. **“Measurement of the branching fraction of the radiative decay $\tau^- \rightarrow mu^- \bar{\nu}_\mu \nu_\tau \gamma$ ”**
G. Alexander *et al.* [OPAL Collaboration].
Phys. Lett. B **388**, 437 (1996).
554. **“Test of QCD analytic predictions for the multiplicity ratio between gluon and quark jets”**
G. Alexander *et al.* [OPAL Collaboration].
Phys. Lett. B **388**, 659 (1996).
555. **“Test of the four fermion contact interaction in e^+e^- collisions at 130 – 140 GeV”**
G. Alexander *et al.* [OPAL Collaboration].
Phys. Lett. B **387**, 432 (1996).
556. **“A measurement of the charm and bottom forward - backward asymmetries using D mesons at LEP”**
G. Alexander *et al.* [OPAL Collaboration].
Z. Phys. C **73**, 379 (1997).
557. **“Strange baryon production in hadronic Z^0 decays”**
G. Alexander *et al.* [OPAL Collaboration].
Z. Phys. C **73**, 569 (1997).
558. **“ Σ^+ , Σ^0 and Σ^- hyperon production in hadronic Z^0 decays”**
G. Alexander *et al.* [OPAL Collaboration].
Z. Phys. C **73**, 587 (1997).
559. **“Searches for supersymmetric particles and anomalous four jet production at $\sqrt{s} = 130$ GeV and 136 GeV at LEP”**
G. Alexander *et al.* [OPAL Collaboration].
Z. Phys. C **73**, 201 (1997).
560. **“Search for excited leptons in e^+e^- collisions at $\sqrt{s} = 130$ GeV and 136 GeV”**
G. Alexander *et al.* [OPAL Collaboration].
Phys. Lett. B **386**, 463 (1996).

561. **“Search for unstable neutral and charged heavy leptons in e^+e^- collisions at $\sqrt{s} = 130$ GeV and 136 GeV”**
G. Alexander *et al.* [OPAL Collaboration].
Phys. Lett. B **385**, 433 (1996).
562. **“Multiplicity dependence of Bose-Einstein correlations in hadronic Z^0 decays”**
G. Alexander *et al.* [OPAL Collaboration].
Z. Phys. C **72**, 389 (1996).
563. **“A precise measurement of the tau polarization and its forward - backward asymmetry at LEP”**
G. Alexander *et al.* [OPAL Collaboration].
Z. Phys. C **72**, 365 (1996).
564. **“A measurement of the B_d^0 oscillation frequency using leptons and $D^{*\pm}$ mesons”**
G. Alexander *et al.* [OPAL Collaboration].
Z. Phys. C **72**, 377 (1996).
565. **“A first measurement of the $\Lambda\bar{\Lambda}$ and $\Lambda\Lambda(\bar{\Lambda}\bar{\Lambda})$ spin compositions in hadronic Z^0 decays”**
G. Alexander *et al.* [OPAL Collaboration].
Phys. Lett. B **384**, 377 (1996).
566. **“Prompt J/ψ production in hadronic Z^0 decays”**
G. Alexander *et al.* [OPAL Collaboration].
Phys. Lett. B **384**, 343 (1996).
567. **“A study of charm hadron production in $Z^0 \rightarrow c\bar{c}$ and $Z^0 \rightarrow b\bar{b}$ decays at LEP”**
G. Alexander *et al.* [OPAL Collaboration].
Z. Phys. C **72**, 1 (1996).
568. **“Measurements with photonic events in e^+e^- collisions at center-of-mass energies of 130 GeV – 140 GeV”**
G. Alexander *et al.* [OPAL Collaboration].
Phys. Lett. B **377**, 222 (1996).
569. **“A study of four fermion final states with high multiplicity at LEP”**
G. Alexander *et al.* [OPAL Collaboration].
Phys. Lett. B **376**, 315 (1996).
570. **“QCD studies with e^+e^- annihilation data at 130 GeV and 136 GeV”**
G. Alexander *et al.* [OPAL Collaboration].
Z. Phys. C **72**, 191 (1996).
571. **“Upper limit on the ν_τ mass from $\tau \rightarrow 3h\nu_\tau$ decays”**
G. Alexander *et al.* [OPAL Collaboration].
Z. Phys. C **72**, 231 (1996).
572. **“Measurement of cross-sections and asymmetries in e^+e^- collisions at 130 – 140 GeV center-of-mass energy”**
G. Alexander *et al.* [OPAL Collaboration].
Phys. Lett. B **376**, 232 (1996).
573. **“Search for chargino and neutralino production using the OPAL detector at $\sqrt{s} = 130 - 136$ GeV at LEP”**
G. Alexander *et al.* [OPAL Collaboration].
Phys. Lett. B **377**, 181 (1996).
574. **“Topological search for the production of neutralinos and scalar particles”**
G. Alexander *et al.* [OPAL Collaboration].
Phys. Lett. B **377**, 273 (1996).

575. **“Improved measurement of the lifetime of the τ lepton”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **374**, 341 (1996).
576. **“Observation of Upsilon production in hadronic Z^0 decays”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **370**, 185 (1996).
577. **“Search for charged Higgs bosons using the OPAL detector at LEP”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **370**, 174 (1996).
578. **“Search for a narrow resonance in Z^0 decays into hadrons and isolated photons”**
 G. Alexander *et al.* [OPAL Collaboration].
 Z. Phys. C **71**, 1 (1996).
579. **“A dedicated LHC collider experiment for precision CP violation”**
 S. Amato *et al.* [LHCb Collaboration].
 LHCb Letter of intent, CERN-LHCC-95-5
580. **“Measurement of the heavy quark forward - backward asymmetries and average B mixing using leptons in multi - hadronic events”**
 G. Alexander *et al.* [OPAL Collaboration].
 Z. Phys. C **70**, 357 (1996).
581. **“Test of the exponential decay law at short decay times using τ leptons”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **368**, 244 (1996).
582. **“ J/ψ and ψ' production in hadronic Z^0 decays”**
 G. Alexander *et al.* [OPAL Collaboration].
 Z. Phys. C **70**, 197 (1996).
583. **“Measurement of the $\tau^- \rightarrow e^- \bar{\nu}_e \nu_\tau$ branching ratio”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **369**, 163 (1996).
584. **“A study of b quark fragmentation into B^0 and B^+ mesons at LEP”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **364**, 93 (1995).
585. **“A comparison of b and uds quark jets to gluon jets”**
 G. Alexander *et al.* [OPAL Collaboration].
 Z. Phys. C **69**, 543 (1996).
586. **“ Δ^{++} production in hadronic Z^0 decays”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **358**, 162 (1995).
587. **“Measurement of the average b baryon lifetime and the product branching ratio $f(b \rightarrow \Lambda_b) \cdot BR(\Lambda_b \rightarrow \Lambda \ell^- \bar{\nu}_X)$ ”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **69**, 195 (1996).
588. **“Investigation of the string effect using final state photons”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **68**, 531 (1995).
589. **“A model independent measurement of quark and gluon jet properties and differences”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **68**, 179 (1995).

590. **“Measurement of the multiplicity of charm quark pairs from gluons in hadronic Z^0 decays”**
R. Akers *et al.* [OPAL Collaboration].
Phys. Lett. B **353**, 595 (1995).
591. **“Measurement of the longitudinal, transverse and asymmetry fragmentation functions at LEP”**
R. Akers *et al.* [OPAL Collaboration].
Z. Phys. C **68**, 203 (1995).
592. **“Measurement of the $\tau^- \rightarrow h^- h^+ h^- \nu_\tau$ and $\tau^- \rightarrow h^- h^+ h^- \geq 1\pi^0 \nu_\tau$ branching ratios”**
R. Akers *et al.* [OPAL Collaboration].
Z. Phys. C **68**, 555 (1995).
593. **“A study of QCD structure constants and a measurement of $\alpha_s(M_{Z^0})$ at LEP using event shape observables”**
R. Akers *et al.* [OPAL Collaboration].
Z. Phys. C **68**, 519 (1995).
594. **“A Measurement of the Λ_b^0 lifetime”**
R. Akers *et al.* [OPAL Collaboration].
Phys. Lett. B **353**, 402 (1995).
595. **“A measurement of the forward - backward asymmetry of $e^+e^- \rightarrow b\bar{b}$ by applying a jet charge algorithm to lifetime tagged events”**
R. Akers *et al.* [OPAL Collaboration].
Z. Phys. C **67**, 365 (1995).
596. **“A search for lepton flavor violating Z^0 decays”**
R. Akers *et al.* [OPAL Collaboration].
Z. Phys. C **67**, 555 (1995).
597. **“Inclusive strange vector and tensor meson production in hadronic Z^0 decays”**
R. Akers *et al.* [OPAL Collaboration].
Z. Phys. C **68**, 1 (1995).
598. **“A measurement of charged particle multiplicity in $Z^0 \rightarrow c\bar{c}$ and $Z^0 \rightarrow b\bar{b}$ events”**
R. Akers *et al.* [OPAL Collaboration].
Phys. Lett. B **352**, 176 (1995).
599. **“Search for heavy charged particles and for particles with anomalous charge in e^+e^- collisions at LEP”**
R. Akers *et al.* [OPAL Collaboration].
Z. Phys. C **67**, 203 (1995).
600. **“The production of neutral kaons in Z^0 decays and their Bose-Einstein correlations”**
R. Akers *et al.* [OPAL Collaboration].
Z. Phys. C **67**, 389 (1995).
601. **“Measurement of the hadronic decay current in $\tau^- \rightarrow \pi^- \pi^- \pi^+ \nu_\tau$ ”**
R. Akers *et al.* [OPAL Collaboration].
Z. Phys. C **67**, 45 (1995).
602. **“An improved measurement of the B_s^0 lifetime”**
R. Akers *et al.* [OPAL Collaboration].
Phys. Lett. B **350**, 273 (1995).
603. **“Improved measurements of the B^0 and B^+ meson lifetimes”**
R. Akers *et al.* [OPAL Collaboration].
Z. Phys. C **67**, 379 (1995).

604. **“Comparisons of the properties of final state photons in hadronic Z^0 decays with predictions from matrix element calculations”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **67**, 15 (1995).
605. **“A study of B meson oscillations using dilepton events”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **66**, 555 (1995).
606. **“Measurement of the leptonic branching ratios of the tau lepton”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **66**, 543 (1995).
607. **“A study of charm meson production in semileptonic B decays”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **67**, 57 (1995).
608. **“Double-sided FoxFET biased microstrip detectors”**
 P. P. Allport, J. R. Carter, U. C. Dunwoody, V. Gibson, M. J. Goodrick, G. A. Beck, A. A. Carter and A. J. Martin *et al.*
 Nucl. Instrum. Meth. A **348**, 416 (1994).
609. **“A measurement of the production of $D^{*\pm}$ mesons on the Z^0 resonance”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **67**, 27 (1995).
610. **“Observations of $\pi - B$ charge - flavor correlations and resonant $B\pi$ and BK production”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **66**, 19 (1995).
611. **“A test of CP invariance in $Z^0 \rightarrow \tau^+\tau^-$ using optimal observables”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **66**, 31 (1995).
612. **“Determination of event shape distributions and $\alpha_s(b)$ from $Z^0 \rightarrow b\bar{b}$ events at LEP”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **65**, 31 (1995).
613. **“A measurement of the QCD color factor ratios C_A/C_F and T_F/C_F from angular correlations in four jet events”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **65**, 367 (1995).
614. **“Updated measurement of the tau lifetime”**
 R. Akers *et al.* [OPAL Collaboration].
 Phys. Lett. B **338**, 497 (1994).
615. **“Measurement of the tau lepton polarization and its forward - backward asymmetry from Z^0 decays”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **65**, 1 (1995).
616. (*) **“Search for rare hadronic B decays”**
 R. Akers *et al.* [OPAL Collaboration].
 Phys. Lett. B **337**, 393 (1994).
617. **“Measurement of single photon production in e^+e^- collisions near the Z^0 resonance”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **65**, 47 (1995).

618. **“Search for Neutral Higgs Bosons in the Minimal Supersymmetric Extension of the Standard Model”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **64**, 1 (1994).
619. **“Measurements of the inclusive branching ratios of tau leptons to K_s^0 and charged $K^*(892)$ ”**
 R. Akers *et al.* [OPAL Collaboration].
 Phys. Lett. B **339**, 278 (1994).
620. **“Determination of an upper limit for the mass of the tau-neutrino at LEP”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **65**, 183 (1995).
621. **“Measurement of $\Gamma(Z^0 \rightarrow b\bar{b})/\Gamma(Z^0 \rightarrow \text{hadrons})$ using a double tagging method”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **65**, 17 (1995).
622. **“Measurement of the time dependence of $B_d^0 \leftrightarrow \overline{B}_d^0$ mixing using leptons and $D^{*\pm}$ mesons”**
 R. Akers *et al.* [OPAL Collaboration].
 Phys. Lett. B **336**, 585 (1994).
623. **“Search for a scalar top quark using the OPAL detector”**
 R. Akers *et al.* [OPAL Collaboration].
 Phys. Lett. B **337**, 207 (1994).
624. **“Observation of exclusive decays of B mesons at LEP”**
 R. Akers *et al.* [OPAL Collaboration].
 Phys. Lett. B **337**, 196 (1994).
625. **“The OPAL silicon strip microvertex detector with two coordinate readout”**
 P. P. Allport *et al.* [OPAL Collaboration].
 Nucl. Instrum. Meth. A **346**, 476 (1994).
626. **“QCD studies using a cone based jet finding algorithm for e^+e^- collisions at LEP”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **63**, 197 (1994).
627. **“Search for the minimal Standard Model Higgs boson”**
 R. Akers *et al.* [OPAL Collaboration].
 Phys. Lett. B **327**, 397 (1994).
628. **“A study of mean subjet multiplicities in two and three jet hadronic Z^0 decays”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **63**, 363 (1994).
629. **“Measurement of the production rates of charged hadrons in e^+e^- annihilation at the Z^0 ”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **63**, 181 (1994).
630. **“Measurement of the time dependence of $B_d^0 \leftrightarrow \overline{B}_d^0$ mixing using a jet charge technique”**
 R. Akers *et al.* [OPAL Collaboration].
 Phys. Lett. B **327**, 411 (1994).
631. **“Measurement of the $\tau^- \rightarrow h^- \pi^0 \nu_\tau$ and $\tau^- \rightarrow h^- \geq 2\pi^0 \nu_\tau$ branching ratios”**
 R. Akers *et al.* [OPAL Collaboration].
 Phys. Lett. B **328**, 207 (1994).
632. **“Multiplicity and transverse momentum correlations in multi - hadronic final states in e^+e^- interactions at $\sqrt{s} = 91.2$ GeV”**
 R. Akers *et al.* [OPAL Collaboration].
 Phys. Lett. B **320**, 417 (1994).

633. **“Studies of charged particle multiplicity in b quark events”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **61**, 209 (1994).
634. **“A new measurement of direct CP violation in the neutral kaon system”**
 G. D. Barr *et al.* [NA31 Collaboration].
 Phys. Lett. B **317**, 233 (1993).
635. **“Measurement of the photon structure function F_2^γ in the reaction $e^+e^- \rightarrow e^+e^- + \text{hadrons}$ at LEP”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **61**, 199 (1994).
636. **“Measurement of $\Gamma(Z^0 \rightarrow b\bar{b})/\Gamma(Z^0 \rightarrow \text{hadrons})$ using impact parameters and leptons”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **61**, 357 (1994).
637. (*) **“The OPAL silicon microvertex detector”**
 P. P. Allport *et al.* [OPAL Collaboration].
 Nucl. Instrum. Meth. A **324**, 34 (1993).
638. **“A measurement of the forward - backward asymmetry of $e^+e^- \rightarrow c\bar{c}$ and $e^+e^- \rightarrow b\bar{b}$ at center-of-mass energies on and near the Z^0 peak using $D^{*\pm}$ mesons”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **60**, 601 (1993).
639. **“A study of muon pair production and evidence for tau pair production in photon-photon collisions at LEP”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **60**, 593 (1993).
640. **“A measurement of the average lifetime of b flavored baryons”**
 R. Akers *et al.* [OPAL Collaboration].
 Phys. Lett. B **316**, 435 (1993).
641. **“A test of the flavor independence of the strong interaction for five flavors”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **60**, 397 (1993).
642. **“Improved measurements of the neutral current from hadron and lepton production at LEP”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **61**, 19 (1994).
643. (*) **“Measurement of the $B^0 - \bar{B}^0$ mixing, $\Gamma(Z^0 \rightarrow b\bar{b})/\Gamma(Z^0 \rightarrow \text{hadrons})$ and semileptonic branching ratios for b flavored hadrons in hadronic Z^0 decays”**
 R. Akers *et al.* [OPAL Collaboration].
 Z. Phys. C **60**, 199 (1993).
644. **“Measurement of the B_s^0 lifetime”**
 P. D. Acton *et al.* [OPAL Collaboration].
 Phys. Lett. B **312**, 501 (1993).
645. **“Measurement of the average b hadron lifetime in Z^0 decays”**
 P. D. Acton *et al.* [OPAL Collaboration].
 Z. Phys. C **60**, 217 (1993).
646. **“Search for massive, unstable photinos that violate R-parity”**
 P. D. Acton *et al.* [OPAL Collaboration].
 Phys. Lett. B **313**, 333 (1993).

647. **“A measurement of $\Gamma(Z^0 \rightarrow b\bar{b})/\Gamma(Z^0 \rightarrow \text{hadrons})$ using an impact parameter technique”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **60**, 579 (1993).
648. **“The forward-backward asymmetry of $e^+e^- \rightarrow b\bar{b}$ and $e^+e^- \rightarrow c\bar{c}$ using leptons in hadronic Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **60**, 19 (1993).
649. **“Search for anomalous production of high mass photon pairs in e^+e^- collisions at LEP”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **311**, 391 (1993).
650. **“A Determination of $\alpha_s(M_{Z^0})$ at LEP using resummed QCD calculations”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **59**, 1 (1993).
651. **“Measurement of $\Gamma(Z^0 \rightarrow b\bar{b})/\Gamma(Z^0 \rightarrow \text{hadrons})$ using leptons”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **58**, 523 (1993).
652. **“Measurement of the τ lifetime”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **59**, 183 (1993).
653. **“Measurement of the B^0 and B^+ lifetimes”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **307**, 247 (1993).
654. **“Evidence for chain - like production of strange baryon pairs in jets”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **305**, 415 (1993).
655. **“A Study of differences between quark and gluon jets using vertex tagging of quark jets”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **58**, 387 (1993).
656. **“Precision measurements of the neutral current from hadron and lepton production at LEP”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **58**, 219 (1993).
657. **“Proposal for a new silicon microvertex detector for OPAL”**
P.P.Allport *et al.*
CERN/LEPC/93-13
658. **“Double-sided FoxFET biased silicon microstrip detectors”**
P. P. Allport, J. R. Carter, U. C. Dunwoody, V. Gibson, M. J. Goodrick, G. A. Beck, A. A. Carter and A. J. Martin *et al.*
Particles and Fields 92: 7th Meeting of the Division of Particles Fields of the APS (DPF 92), Illinois, USA
659. **“Studies of strong and electroweak interactions using final state photon emission in hadronic Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **58**, 405 (1993).
660. **“QCD coherence studies using two particle azimuthal correlations”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **58**, 207 (1993).

661. **“A Study of the electric charge distributions of quark and gluon jets in hadronic Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **302**, 523 (1993).
662. **“A Measurement of $K^{*\pm}(892)$ production in hadronic Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **305**, 407 (1993).
663. **“A Measurement of the ratio of the nucleon structure function in copper and deuterium”**
J. Ashman *et al.* [European Muon Collaboration].
Z. Phys. C **57**, 211 (1993).
664. **“A Study of $K_s^0 K_s^0$ Bose-Einstein correlations in hadronic Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **298**, 456 (1993).
665. **“Evidence for the existence of the strange b flavored meson B_s^0 in Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **295**, 357 (1992).
666. **“A Search for doubly charged Higgs production in Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **295**, 347 (1992).
667. **“A Measurement of the forward - backward charge asymmetry in hadronic decays of the Z^0 ”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **294**, 436 (1992).
668. **“Inclusive neutral vector meson production in hadronic Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **56**, 521 (1992).
669. **“A Measurement of strange baryon production in hadronic Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **291**, 503 (1992).
670. **“Muoproduction of J/ψ and the gluon distribution of the nucleon”**
J. Ashman *et al.* [European Muon Collaboration].
Z. Phys. C **56**, 21 (1992).
671. **“A Study of two particle momentum correlations in hadronic Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **287**, 401 (1992).
672. **“Measurement of the τ topological branching ratios at LEP”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **288**, 373 (1992).
673. **“A Test of higher order electroweak theory in Z^0 decays to two leptons with an associated pair of charged particles”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **287**, 389 (1992).
674. **“A measurement of electron production in hadronic Z^0 decays and a determination of $\Gamma(Z^0 \rightarrow b\bar{b})$ ”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **55**, 191 (1992).
675. **“Evidence for b flavored baryon production in Z^0 decays at LEP”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **281**, 394 (1992).

676. **“A Global determination of $\alpha_s(M_{Z^0})$ at LEP”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **55**, 1 (1992).
677. **“Test of CP invariance in $e^+e^- \rightarrow Z^0 \rightarrow \tau^+\tau^-$ and a limit on the weak dipole moment of the τ lepton”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **281**, 405 (1992).
678. (★) **“FOXFET biased microstrip detectors”**
P. P. Allport, J. R. Carter, V. Gibson, M. J. Goodrick, J. C. Hill, S. G. Katvars, M. A. Bullough and N. M. Greenwood *et al.*.
Nucl. Instrum. Meth. A **310**, 155 (1991).
679. (★) **“The Detector simulation program for the OPAL experiment at LEP”**
J. Allison *et al.* [OPAL Collaboration].
Nucl. Instrum. Meth. A **317**, 47 (1992).
680. **“Electroweak parameters of the Z^0 resonance and the Standard Model: the LEP Collaborations”**
G. Alexander *et al.* [LEP and ALEPH and DELPHI and L3 and OPAL Collaborations].
Phys. Lett. B **276**, 247 (1992).
681. **“Search for free gluons in hadronic Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **278**, 485 (1992).
682. **“Properties of multi - hadronic events with a final state photon at $\sqrt{s} = M_{Z^0}$ ”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **54**, 193 (1992).
683. **“An Improved measurement of $\alpha_s(M_{Z^0})$ using energy correlations with the OPAL detector at LEP”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **276**, 547 (1992).
684. (★) **“Measurement of $B^0 - \overline{B}^0$ mixing in hadronic Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **276**, 379 (1992).
685. **“Measurement of the average B hadron lifetime in Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **274**, 513 (1992).
686. **“A Study of charged particle multiplicities in hadronic decays of the Z^0 ”**
P. D. Acton *et al.* [OPAL Collaboration].
Z. Phys. C **53**, 539 (1992).
687. **“A Measurement of photon radiation in lepton pair events from Z^0 decays”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **273**, 338 (1991).
688. **“Measurement of the tau lepton lifetime”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **273**, 355 (1991).
689. **“Decay mode independent search for a light Higgs boson and new scalars”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **268**, 122 (1991).
690. **“A Study of Bose-Einstein correlations in e^+e^- annihilations at LEP”**
P. D. Acton *et al.* [OPAL Collaboration].
Phys. Lett. B **267**, 143 (1991).

691. **“Observation of J/ψ production in multi - hadronic Z^0 decays”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **266**, 485 (1991).
692. **“Measurement of branching ratios and τ polarization from $\tau \rightarrow e\nu\bar{\nu}$, $\tau \rightarrow \mu\nu\bar{\nu}$, and $\tau \rightarrow \pi(K)\nu$ decays at LEP”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **266**, 201 (1991).
693. **“Measurement of three jet distributions sensitive to the gluon spin in e^+e^- annihilations at $\sqrt{s} = 91$ GeV”**
 G. Alexander *et al.* [OPAL Collaboration].
 Z. Phys. C **52**, 543 (1991).
694. **“A Direct observation of quark - gluon jet differences at LEP”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **265**, 462 (1991).
695. **“A Measurement of the electroweak couplings of up and down type quarks using final state photons in hadronic Z^0 decays”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **264**, 219 (1991).
696. **“A Study of K_s^0 production in Z^0 decays”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **264**, 467 (1991).
697. **“Observation of the decay $K_L^0 \rightarrow e^+e^-e^+e^-$ ”**
 G. D. Barr *et al.* [NA31 Collaboration].
 Phys. Lett. B **259**, 389 (1991).
698. **“Measurement of the Z^0 line shape parameters and the electroweak couplings of charged leptons”**
 G. Alexander *et al.* [OPAL Collaboration].
 Z. Phys. C **52**, 175 (1991).
699. **“A Search for scalar leptoquarks in Z^0 decays”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **263**, 123 (1991).
700. **“A Study of $D^{*\pm}$ production in Z^0 decays”**
 G. Alexander *et al.* [OPAL Collaboration].
 Phys. Lett. B **262**, 341 (1991).
701. **“Comparison of forward hadrons produced in muon interactions on nuclear targets and deuterium”**
 J. Ashman *et al.* [European Muon Collaboration].
 Z. Phys. C **52**, 1 (1991).
702. **“Forward produced hadrons in μp and μd scattering and investigation of the charge structure of the nucleon”**
 J. Ashman *et al.* [European Muon Collaboration].
 Z. Phys. C **52**, 361 (1991).
703. **“Intermittency in hadronic decays of the Z^0 ”**
 M. Z. Akrawy *et al.* [OPAL Collaboration].
 Phys. Lett. B **262**, 351 (1991).
704. **“A Study of heavy flavor production using muons in hadronic Z^0 decays”**
 M. Z. Akrawy *et al.* [OPAL Collaboration].
 Phys. Lett. B **263**, 311 (1991).

705. **“A Model independent observation of the string effect using quark tagging at LEP”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **261**, 334 (1991).
706. **“Measurement of the cross-sections of the reactions $e^+e^- \rightarrow \gamma\gamma$ and $e^+e^- \rightarrow \gamma\gamma\gamma$ at LEP”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **257**, 531 (1991).
707. **“A Direct measurement of the Z^0 invisible width by single photon counting”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Z. Phys. C **50**, 373 (1991).
708. **“Search for the minimal standard model Higgs boson in e^+e^- collisions at LEP”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **253**, 511 (1991).
709. **“A Search for lepton flavor violation in Z^0 decays”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **254**, 293 (1991).
710. **“A Study of the recombination scheme dependence of jet production rates and of $\alpha_s(M_{Z^0})$ in hadronic Z^0 decays”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Z. Phys. C **49**, 375 (1991).
711. **“OPAL silicon microvertex detector”**
P.P.Allport *et al.*
Technical Proposal, CERN/LEPC/90-5
712. **“Search for pair produced stable singly charged heavy particles in Z^0 decays”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **252**, 290 (1990).
713. **“A Measurement of energy correlations and a determination of $\alpha_s(M_{Z^0}^2)$ in e^+e^- annihilations at $\sqrt{s} = 91$ GeV”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **252**, 159 (1990).
714. **“Limits on a light Higgs boson in e^+e^- collisions at LEP”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **251**, 211 (1990).
715. **“The OPAL detector at LEP”**
K. Ahmet *et al.* [OPAL Collaboration].
Nucl. Instrum. Meth. A **305**, 275 (1991).
716. **“Searches for neutral Higgs bosons in e^+e^- collisions at LEP”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Z. Phys. C **49**, 1 (1991).
717. **“A Study of coherence of soft gluons in hadron jets”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **247**, 617 (1990).
718. **“A Direct search for neutralino production at LEP”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **248**, 211 (1990).
719. **“A Study of angular correlations in 4-jet final states of hadronic Z^0 decays”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Z. Phys. C **49**, 49 (1991).

720. **“Analysis of Z^0 couplings to charged leptons”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **247**, 458 (1990).
721. **“Observation of the decay $K_L \rightarrow \pi^0 \gamma \gamma$ ”**
G. D. Barr *et al.* [NA31 Collaboration].
Phys. Lett. B **242**, 523 (1990).
722. **“Limits on neutral heavy lepton production from Z^0 decay”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **247**, 448 (1990).
723. **“A large area transition radiation detector”**
G. D. Barr, R. Carosi, L. Gatignon, V. Gibson, R. Hagelberg, J. van der Lans, H. N. Nelson and H. Wahl *et al.*.
Nucl. Instrum. Meth. A **294**, 465 (1990).
724. **“Evidence For final state photons in multi - hadronic decays of the Z^0 ”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **246**, 285 (1990).
725. **“Search for excited leptons at LEP”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **244**, 135 (1990).
726. **“Measurement of the rate of the decay $K_L \rightarrow e^+ e^- \gamma$ and observation of a form-factor in this decay”**
G. D. Barr *et al.* [NA31 Collaboration].
Phys. Lett. B **240**, 283 (1990).
727. **“A measurement of global event shape distributions in the hadronic decays of the Z^0 ”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Z. Phys. C **47**, 505 (1990).
728. **“A search for technipions and charged Higgs bosons at LEP”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **242**, 299 (1990).
729. **“A study of the reaction $e^+ e^- \rightarrow \gamma \gamma$ at LEP”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **241**, 133 (1990).
730. **“A combined analysis of the hadronic and leptonic decays of the Z^0 ”**
M. Z. Akrawy *et al.* [OPAL Collaboration].
Phys. Lett. B **240**, 497 (1990).
731. **(*)“A measurement of the phases of the CP-violating amplitudes in $K^0 \rightarrow 2\pi$ decays and a test of CPT invariance”**
R. Carosi *et al.* [NA31 Collaboration].
Phys. Lett. B **237**, 303 (1990).
732. **“NA31 results on CP violation in K decays and a test of CPT”**
D. Fournier *et al.* [NA31 Collaboration].
1989 International Symposium on Lepton and Photon Interactions at High Energies, Stanford, California
733. **“The NA31 ϵ'/ϵ measurement”**
A. Nappi, L. Bertanza, A. Bigi, P. Calafiura, M. Calvetti, R. Casali, C. Cerri and R. Fantechi *et al.*.
Nucl. Phys. Proc. Suppl. **16**, 375 (1990).

734. **“Precision CP violation and rare decay experiments in a high intensity neutral kaon beam at the SPS”**
 G. D. Barr *et al.* [NA48 Collaboration].
 CERN GENEVA - CERN-SPSC-89-39 (89,REC.OCT.) 12p
735. **“Search for a neutral Higgs particle in the decay sequence $K_L^0 \rightarrow \pi^0 H^0$ and $H^0 \rightarrow e^+ e^-$ ”**
 G. D. Barr *et al.* [NA31 Collaboration].
 Phys. Lett. B **235**, 356 (1990).
736. **“An experimental test of CPT invariance in the neutral kaon system”**
 V. Gibson [NA31 Collaboration].
 CP violation in particle physics and astrophysics - 25th anniversary of the CP violation discovery, Blois, CERN-EP/89-94
737. **“An investigation of the spin structure of the proton in deep inelastic scattering of polarized muons on polarized protons”**
 J. Ashman *et al.* [European Muon Collaboration].
 Nucl. Phys. B **328**, 1 (1989).
738. **“Search for the decay $K_L \rightarrow \pi^0 e^+ e^-$ ”**
 G. D. Barr *et al.* [NA31 Collaboration].
 Phys. Lett. B **214**, 303 (1988).
739. **“First evidence for direct CP violation”**
 A. C. Schaffer *et al.* [NA31 Collaboration].
 XXIIIrd Rencontre de Moriond: Electroweak Interactions and Unified Theories, Les Arcs, France
740. (★) **“First evidence for direct CP violation”**
 H. Burkhardt *et al.* [NA31 Collaboration].
 Phys. Lett. B **206**, 169 (1988).
741. (★) **“Measurement of the ratios of deep inelastic muon - nucleus cross-sections on various nuclei compared to deuterium”**
 J. Ashman *et al.* [European Muon Collaboration].
 Phys. Lett. B **202**, 603 (1988).
742. **“A measurement of the spin asymmetry and determination of the structure function g_1 in deep inelastic muon-proton scattering”**
 J. Ashman *et al.* [European Muon Collaboration].
 Phys. Lett. B **206**, 364 (1988).
743. **“Exclusive ρ^0 and ϕ production in deep inelastic muon scattering”**
 J. Ashman *et al.* [European Muon Collaboration].
 Z. Phys. C **39**, 169 (1988).
744. (★) **“Measurements of the nucleon structure functions F_2^N in deep inelastic muon scattering from deuterium and comparison with those from hydrogen and iron”**
 J. J. Aubert *et al.* [European Muon Collaboration].
 Nucl. Phys. B **293**, 740 (1987).
745. **“The structure functions of free and bound nucleons in deep inelastic muon scattering”**
 V. Gibson.
 RAL-T-035
746. **“Valence quark distributions from muon nucleon scattering”**
 V. Gibson [European Muon Collaboration].
 In *Bari 1985, Proceedings, High Energy Physics*, 561

Other Publications

747. **“Project Juno: Advancing Gender Equality In Physics Careers In Higher Education In The UK”**
M. Bona, J. Dyer, V. Gibson, A. Townsend and O. B. O. T. I. O. Physics.
PoS ICHEP **2016**, 866 (2016).
748. **“An investigation into the impact of question structure on the performance of first year physics undergraduate students at the University of Cambridge”**
Valerie Gibson, Lisa Jardine-Wright and Elizabeth Bateman.
Eur. J. Phys. **36** 045014 (2015).