

PUBLICATIONS LHCb – 05 JUN 2019

article

2019

1. Selection and processing of calibration samples to measure the particle identification performance of the LHCb experiment in Run 2, R. Aaij *et al.*, EPJ Tech. Instrum. 6 (2019) 1
2. Prompt Λ_c^+ production in p Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1902 (2019) 102
3. Observation of two resonances in the $\Lambda_b^0\pi^\pm$ systems and precise measurement of Σ_b^\pm and $\Sigma_b^{*\pm}$ properties, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 122 (2019) 012001
4. Measurement of the branching fractions of the decays $D^+ \rightarrow K^-K^+K^+$, $D^+ \rightarrow \pi^-\pi^+K^+$ and $D_s^+ \rightarrow \pi^-K^+K^+$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1903 (2019) 176
5. Displaced B_c mesons as an inclusive signature of weakly decaying double beauty hadrons, T. Gershon *et al.*, J. High Energy Phys. 1901 (2019) 019
6. Measurement of the Charm-Mixing Parameter y_{CP} , R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 122 (2019) 011802
7. First measurement of charm production in fixed-target configuration at the LHC, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 122 (2019) 132002
8. Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+K^-\pi^+\pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 02 (2019) 126
9. Study of the $B^0 \rightarrow \rho(770)^0K^*(892)^0$ decay with an amplitude analysis of $B^0 \rightarrow (\pi^+\pi^-)(K^+\pi^-)$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 05 (2019) 026
10. Design and performance of the LHCb trigger and full real-time reconstruction in Run 2 of the LHC, R. Aaij *et al.*, J. Instrum 14 (2019) P04013
11. Model-independent observation of exotic contributions to $B^0 \rightarrow J/\psi K^+\pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 122 (2019) 152002
12. Observation of the doubly Cabibbo-suppressed decay $\Xi_c^+ \rightarrow p\phi$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1904 (2019) 084
13. Measurement of the mass and production rate of Ξ_b^- baryons, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 99 (2019) 052006

14. Measurement of the ratio of branching fractions of the decays $\Lambda_b^0 \rightarrow \psi(2S)\Lambda$ and $\Lambda_b^0 \rightarrow J/\psi\Lambda$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 03 (2019) 126
 15. Measurement of B^+ , B^0 and Λ_b^0 production in $p\text{Pb}$ collisions at $\sqrt{s_{NN}} = 8.16$ TeV, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 99 (2019) 052011
 16. Observation of $B_{(s)}^0 \rightarrow J/\psi p\bar{p}$ decays and precision measurements of the $B_{(s)}^0$ masses, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 122 (2019) 191804
 17. Dalitz Plot analysis of the $D^+ \rightarrow K^- K^+ K^+$ decay, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 04 (2019) 063
 18. Search for CP violation in $D_s^+ \rightarrow K_S^0 \pi^+$, $D^+ \rightarrow K_S^0 K^+$ and $D^+ \rightarrow \phi \pi^+$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 122 (2019) 191803
 19. Search for lepton-universality violation in $B^+ \rightarrow K^+ \ell^+ \ell^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 122 (2019) 191801
- 2018
1. 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, Phys. Lett. B 777 (2018) 16-30
 2. 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, Phys. Rev. Lett 120 (2018) 171802
 3. First observation of forward $Z \rightarrow b\bar{b}$ production in pp collisions at $\sqrt{s} = 8$ TeV, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 776 (2018) 430-439
 4. Search for dark photons produced in 13 TeV pp collisions, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 120 (2018) 061801
 5. Search for the lepton-flavour violating decays $B_{(s)}^0 \rightarrow e^\pm \mu^\mp$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 03 (2018) 078
 6. Measurements of the branching fractions of $\Lambda_c^+ \rightarrow p\pi^-\pi^+$, $\Lambda_c^+ \rightarrow pK^-K^+$, and $\Lambda_c^+ \rightarrow p\pi^-K^+$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 03 (2018) 043
 7. Test of Lepton Flavor Universality by the measurement of the $B^0 \rightarrow D^{*-} \tau^+ \nu_\tau$ branching fraction using three-prong τ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 97 (2018) 072013
 8. Measurement of the ratio of branching fractions $\mathcal{B}(B_c^+ \rightarrow J/\psi \tau^+ \nu_\tau) / \mathcal{B}(B_c^+ \rightarrow J/\psi \mu^+ \nu_\mu)$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 120 (2018) 121801
 9. First observation of $B^+ \rightarrow D_s^+ K^+ K^-$ decays and a search for $B^+ \rightarrow D_s^+ \phi$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 01 (2018) 131

10. Measurement of branching fractions of charmless four-body Λ_b^0 and Ξ_b^0 decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 02 (2018) 098
11. Search for excited B_c^+ states, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 01 (2018) 138
12. Updated determination of D^0 - \bar{D}^0 mixing and CP violation parameters with $D^0 \rightarrow K^+\pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 97 (2018) 031101
13. A measurement of the CP asymmetry difference in $c^+ \rightarrow pK^-K^+$ and $p\pi^-\pi^+$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 03 (2018) 182
14. Measurement of CP asymmetry in $B_s^0 \rightarrow D_s^\mp K^\pm$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 03 (2018) 059
15. Search for the rare decay $\Lambda_c^+ \rightarrow p\mu^+\mu^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 97 (2018) 091101
16. Search for weakly decaying b -flavored pentaquarks, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 97 (2018) 032010
17. Amplitude analysis of the decay $\bar{B}^0 \rightarrow K_s^0\pi^+\pi^-$ and first observation of the CP asymmetry in $\bar{B}^0 \rightarrow K^*(892)^-\pi^+$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 120 (2018) 261801
18. First measurement of the CP-violating phase $\phi_s^{d\bar{d}}$ in $B_s^0 \rightarrow (K^+\pi^-)(K^-\pi^+)$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 03 (2018) 140
19. Studies of the resonance structure in $D^0 \rightarrow K^\mp\pi^\pm\pi^\pm\pi^\mp$ decays, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C C78 (2018) 443
20. Evidence for the rare decay $\Sigma^+ \rightarrow p\mu^+\mu^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 120 (2018) 221803
21. Measurement of forward top pair production in the dilepton channel in pp collisions at $\sqrt{s} = 13$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 08 (2018) 174
22. Search for B_c^+ decays to two charm mesons, R. Aaij *et al.*, LHCb Collaboration, Nucl. Phys. B 930 (2018) 563-582
23. Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 06 (2018) 100
24. Measurement of the CP asymmetry in $B^- \rightarrow D_s^-D^0$ and $B^- \rightarrow D^-D^0$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 05 (2018) 160
25. Evidence for the decay $B_s^0 \rightarrow \bar{K}^{*0}\mu^+\mu^-$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 07 (2018) 020

26. Measurement of Υ production in pp collisions at $\sqrt{s}=13$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 07 (2018) 134
27. Observation of the decay $\Lambda_b^0 \rightarrow \Lambda_c^+ p \bar{p} \pi^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 784 (2018) 101-111
28. Measurement of CP violation in $B^0 \rightarrow D^\mp \pi^\pm$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 06 (2018) 084
29. Search for CP violation using triple product asymmetries in $\Lambda_b^0 \rightarrow p K^- \pi^+ \pi^-$, $\Lambda_b^0 \rightarrow p K^- K^+ K^-$ and $\Xi_b^0 \rightarrow p K^- K^- \pi^+$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1808 (2018) 039
30. Measurement of CP asymmetries in two-body $B_{(s)}^0$ -meson decays to charged pions and kaons, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 98 (2018) 032004
31. Observation of a new Ξ_b^- resonance, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 121 (2018) 072002
32. Measurement of D_s^\pm production asymmetry in pp collisions at $\sqrt{s} = 7$ and 8 TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 08 (2018) 008
33. 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, J. High Energy Phys. 08 (2018) 176
34. Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K_S^0 K_S^0$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 11 (2018) 048
35. Search for a dimuon resonance in the Υ mass region, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 09 (2018) 147
36. First measurement of the lifetime of the doubly charmed baryon Ξ_{cc}^{++} , R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 121 (2018) 052002
37. Central exclusive production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 13$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 10 (2018) 167
38. Measurement of $Z \rightarrow \tau^+ \tau^-$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 09 (2018) 159
39. Observation of the decay $\Lambda_b^0 \rightarrow \psi(2S) p \pi^-$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 08 (2018) 131
40. Search for beautiful tetraquarks in the $\Upsilon(1S) \mu^+ \mu^-$ invariant-mass spectrum, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 10 (2018) 086
41. Observation of the decay $\overline{B}_s^0 \rightarrow \chi_{c2} K^+ K^-$ in the ϕ mass region, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 08 (2018) 191

42. Measurement of angular and CP asymmetries in $D^0 \rightarrow \pi^+\pi^-\mu^+\mu^-$ and $D^0 \rightarrow K^+K^-\mu^+\mu^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 121 (2018) 091801
43. Observation of the decay $B_s^0 \rightarrow \bar{D}^0 K^+ K^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 98 (2018) 072006
44. Observation of $B_s^0 \rightarrow \bar{D}^{*0} \phi$ and search for $B^0 \rightarrow \bar{D}^0 \phi$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 98 (2018) 071103
45. Measurement of the Ω_c^0 baryon lifetime, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 121 (2018) 092003
46. First observation of the doubly charmed baryon decay $\Xi_{cc}^{++} \rightarrow \Xi_c^+ \pi^+$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 121 (2018) 162002
47. Search for CP violation in $\Lambda_b^0 \rightarrow pK^-$ and $\Lambda_b^0 \rightarrow p\pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 787 (2018) 124-133
48. Angular moments of the decay $\Lambda_b^0 \rightarrow \Lambda \mu^+ \mu^-$ at low hadronic recoil, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 09 (2018) 146
49. Measurement of antiproton production in pHe collisions at $\sqrt{s_{NN}} = 110$ GeV, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 121 (2018) 222001
50. Search for lepton-flavour-violating decays of Higgs-like bosons, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 78 (2018) 1008
51. Evidence for an $\eta_c(1S)\pi^-$ resonance in $B^0 \rightarrow \eta_c(1S)K^+\pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 78 (2018) 1019
52. Study of Υ production in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 11 (2018) 194

2017

1. Amplitude analysis of $B^+ \rightarrow J/\psi \phi K^+$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 95 (2017) 012002
2. 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, Phys. Rev. Lett 118 (2017) 022003
3. 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, Phys. Lett. B 769 (2017) 305-313
4. Search for the suppressed decays $B^+ \rightarrow K^+ K^+ \pi^-$ and $B^+ \rightarrow \pi^+ \pi^+ K^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 765 (2017) 307-316
5. First experimental study of photon polarization in radiative B_s^0 decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 118 (2017) 021801
6. Measurement of matter-antimatter differences in beauty baryon decays, R. Aaij *et al.*, LHCb Collaboration, Nat. Phys 13 (2017) 391-396

7. 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, Eur. Phys. J. C 77 (2017) 72
8. Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1706 (2017) 147
9. Search for the CP -violating strong decays $\eta \rightarrow \pi^+\pi^-$ and $\eta'(958) \rightarrow \pi^+\pi^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 764 (2017) 233-240
10. 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, Phys. Rev. D 95 (2017) 012006
11. New algorithms for identifying the flavour of B^0 mesons using pions and protons, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 77 (2017) 238
12. 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, Phys. Lett. B 767 (2017) 110-120
13. Observation of the annihilation decay mode $B^0 \rightarrow K^+K^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 118 (2017) 081801
14. Measurement of CP asymmetry in $D^0 \rightarrow K^-K^+$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 767 (2017) 177-187
15. Measurements of charm mixing and CP violation using $D^0 \rightarrow K^\pm\pi^\mp$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 95 (2017) 052004
16. Search for decays of neutral beauty mesons into four muons, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1703 (2017) 001
17. Evidence for the two-body charmless baryonic decay $B^+ \rightarrow p\bar{\Lambda}$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 04 (2017) 162
18. Search for massive long-lived particles decaying semileptonically in the LHCb detector, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 77 (2017) 224
19. Observation of the decay $\Xi_b^- \rightarrow pK^-K^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 118 (2017) 071801
20. Search for CP violation in the phase space of $D^0 \rightarrow \pi^+\pi^-\pi^+\pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 769 (2017) 345-356
21. Measurement of the b -quark production cross-section in 7 and 13 TeV pp collisions, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 118 (2017) 052002
22. 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, J. High Energy Phys. 1703 (2017) 036
23. 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, Eur. Phys. J. C 77 (2017) 161

24. Averages of b -hadron, c -hadron, and τ -lepton properties as of summer 2016, Y. Amhis *et al.*, Eur. Phys. J. C 77 (2017) 895
25. Search for long-lived scalar particles in $b \rightarrow sl^+l^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 95 (2017) 071101
26. Measurement of the J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1706 (2017) 047
27. Observation of $B_c^+ \rightarrow J/\psi D^{(*)} K^{(*)}$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 95 (2017) 032005
28. Search for the $B_s^0 \rightarrow \eta' \phi$ decay, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 05 (2017) 158
29. Observation of $B_c^+ \rightarrow D^0 K^+$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 118 (2017) 111803
30. 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, Phys. Lett. B 771 (2017) 21-30
31. Study of J/ψ production in jets, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 118 (2017) 192001
32. 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, Phys. Rev. D 95 (2017) 052005
33. Observation of the $\Xi_b^- \rightarrow J/\psi \Lambda K^-$ decay, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 772 (2017) 265-273
34. Study of the $D^0 p$ amplitude in $\Lambda_b^0 \rightarrow D^0 p \pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 05 (2017) 030
35. Observation of the suppressed decay $\Lambda_b^0 \rightarrow p \pi^- \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1704 (2017) 029
36. 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, Phys. Rev. Lett 118 (2017) 261803
37. 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, J. High Energy Phys. 07 (2017) 021
38. Observation of the decay $\Lambda_b^0 \rightarrow p K^- \mu^+ \mu^-$ and a search for CP violation, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1706 (2017) 108
39. Search for the decays $B_s^0 \rightarrow \tau^+ \tau^-$ and $B^0 \rightarrow \tau^+ \tau^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 118 (2017) 251802
40. 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, Phys. Lett. B 118 (2017) 191801

41. 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, Phys. Lett. B 774 (2017) 139-158
42. First observation of a baryonic B_s^0 decay, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 119 (2017) 041802
43. Observation of the $B^+ \rightarrow D^{*-} K^+ \pi^+$ decay, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 96 (2017) 011101
44. Observation of the decays $\Lambda_b^0 \rightarrow \chi_{c1} p K^-$ and $\Lambda_b^0 \rightarrow \chi_{c2} p K^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 119 (2017) 062001
45. Observation of charmless baryonic decays $B_{(s)}^0 \rightarrow p \bar{p} h^+ h'^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 96 (2017) 051103
46. 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, J. High Energy Phys. 08 (2017) 037
47. Observation of five new narrow Ω_c^0 states decaying to $\Xi_c^+ K^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 118 (2017) 182001
48. Measurement of B_s^0 and D_s^- meson lifetimes, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 119 (2017) 101801
49. Test of lepton universality with $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 08 (2017) 055
50. Updated search for long-lived particles decaying to jet pairs, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 77 (2017) 812
51. Improved limit on the branching fraction of the rare decay $K_s^0 \rightarrow \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 77 (2017) 678
52. Improved limit on the branching fraction of the rare decay $K_s^0 \rightarrow \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 77 (2017) 678
53. 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, Eur. Phys. J. C 77 (2017) 609
54. Prompt and nonprompt J/ψ production and nuclear modification in p Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 774 (2017) 159-178
55. Observation of the doubly charmed baryon Ξ_{cc}^{++} , R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 119 (2017) 112001
56. Updated branching fraction measurements of $B_{(s)}^0 \rightarrow K_s^0 h^+ h'^-$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1711 (2017) 027
57. Study of prompt D^0 meson production in pPb collisions at $\sqrt{s} = 5$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 10 (2017) 090

58. Study of prompt D^0 meson production in $p\text{Pb}$ collisions at $\sqrt{s_{\text{NN}}} = 5$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1710 (2017) 090
59. Observation of D^0 meson decays to $\pi^+\pi^-\mu^+\mu^-$ and $K^+K^-\mu^+\mu^-$ final states, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 119 (2017) 181805
60. Search for baryon-number-violating Ξ_b^0 oscillations, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 119 (2017) 181807
61. Study of $b\bar{b}$ correlations in high energy proton- proton collisions, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 11 (2017) 030
62. Measurement of the Υ polarizations in pp collisions at $\sqrt{s}=7$ and 8TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 12 (2017) 110
63. Measurement of the shape of the $\Lambda_b^0 \rightarrow \Lambda_c^+\mu^-\bar{\nu}_\mu$ differential decay rate, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 96 (2017) 112005
64. Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 12 (2017) 025
65. First observation of the rare purely baryonic decay $B^0 \rightarrow p\bar{p}$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 119 (2017) 232001
66. Measurement of CP violation in $B^0 \rightarrow J/\psi K_S^0$ and $B^0 \rightarrow \psi(2S)K_S^0$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 11 (2017) 170
67. Precise measurement of the χ_{c1} and χ_{c2} resonance parameters with the decays $\chi_{c1,c2} \rightarrow J/\psi\mu^+\mu^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 119 (2017) 221801
68. Measurement of CP observables in $B^\pm \rightarrow DK^{*\pm}$ decays using two- and four-body D final states, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 11 (2017) 156
69. Measurement of the B^\pm production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1712 (2017) 026
70. Measurement of the J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 06 (2017) 047

2016

1. First observation of the decay $B_s^0 \rightarrow K_S^0 K^*(892)^0$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 01 (2016) 012
2. 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, Chinese Phys. C 40 (2016) 011001

3. Studies of the resonance structure in $D^0 \rightarrow K_S^0 K^\pm \pi^\mp$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 93 (2016) 052018
4. Model-independent measurement of mixing parameters in $D^0 \rightarrow K_S^0 \pi^+ \pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 04 (2016) 033
5. Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 03 (2016) 159
6. Production of associated Υ and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 07 (2016) 052
7. 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, Phys. Lett. B 757 (2016) 558
8. Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 01 (2016) 155
9. Search for the lepton-flavour violating decay $D^0 \rightarrow e^\pm \mu^\mp$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 754 (2016) 167
10. First observation of the rare $B^+ \rightarrow D^+ K^+ \pi^-$ decay, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 93 (2016) 051101(R)
11. Angular analysis of the $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decay, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 02 (2016) 104
12. Study of $D_{sJ}^{(*)+}$ mesons decaying to $D^{*+} K_S^0$ and $D^{*0} K^+$ final states, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 02 (2016) 133
13. Observation of the $B_s^0 \rightarrow J/\psi \phi \phi$ decay, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 03 (2016) 040
14. Study of $\psi(2S)$ production and cold nuclear matter effects in p Pb collisions at $\sqrt{s_{NN}} = 5$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1603 (2016) 133
15. Constraints on the unitarity triangle angle γ from Dalitz plot analysis of $B^0 \rightarrow DK^+ \pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 93 (2016) 112018
16. 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, Phys. Rev. Lett 116 (2016) 191601
17. A new algorithm for identifying the flavour of B_s^0 mesons at LHCb, R. Aaij *et al.*, LHCb Collaboration, J. Instrum 11 (2016) P05010
18. 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, Phys. Rev. Lett 116 (2016) 241801

19. 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, J. High Energy Phys. 05 (2016) 081
20. 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, Phys. Rev. Lett 116 (2016) 161802
21. Observation of the $\Lambda_b^0 \rightarrow \Lambda \phi$ decay, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 759 (2016) 282-292
22. Search for violations of Lorentz invariance and CPT symmetry in $B_{(s)}^0$ mixing, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 116 (2016) 241601
23. Search for B_c^+ decays to the $p\bar{p}\pi^+$ final state, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 759 (2016) 313-321
24. 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, J. High Energy Phys. 05 (2016) 132
25. Measurement of the $B_s^0 \rightarrow D_s^{(*)+} D_s^{(*)-}$ branching fractions, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 93 (2016) 092008
26. 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, Phys. Lett. B 76 (2016) 117-131
27. Measurement of the mass and lifetime of the Ω_b^- baryon, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 93 (2016) 092007
28. 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, J. High Energy Phys. 06 (2016) 131
29. A precise measurement of the B^0 meson oscillation frequency, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 76 (2016) 412
30. Measurement of the properties of the Ξ_b^{*0} baryon, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 05 (2016) 161
31. Model-independent evidence for $J/\psi p$ contributions to $\Lambda_b^0 \rightarrow J/\psi p K^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 117 (2016) 082002
32. Angular analysis of $B \rightarrow J/\psi K1$: towards a model independent determination of the photon polarization with $B \rightarrow J/\psi K1$ gamma, E. Kou *et al.*, Phys. Lett. B 763 (2016) 66-71
33. 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, J. High Energy Phys. 05 (2016) 131
34. Measurement of the CKM angle γ using $B^0 \rightarrow DK^{*0}$ with $D \rightarrow K_S^0 \pi^+ \pi^-$ decays, C. Abellán Beteta *et al.*, LHCb Collaboration, J. High Energy Phys. 08 (2016) 137

35. Measurement of the CP asymmetry in $B_s^0 - \bar{B}_s^0$ mixing, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 11 (2016) 061803
36. 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, J. High Energy Phys. 1611 (2016) 047
37. Evidence for exotic hadron contributions to $\Lambda_b^0 \rightarrow J/\psi p \pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 117 (2016) 082003
38. 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, Phys. Rev. D 94 (2016) 091102
39. Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 13$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 09 (2016) 136
40. Measurement of the $B_s^0 \rightarrow J/\psi \eta$ lifetime, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 762 (2016) 484-492
41. 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, J. High Energy Phys. 09 (2016) 153
42. Search for structure in the $B_s^0 \pi^\pm$ invariant mass spectrum, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 117 (2016) 152003
43. Amplitude analysis of $B^- \rightarrow D^+ \pi^- \pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 94 (2016) 072001
44. Measurement of forward $W \rightarrow e \nu$ production in pp collisions at $\sqrt{s} = 8$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 10 (2016) 030
45. Measurement of the CP-violating phase and decay-width difference in $B_s^0 \rightarrow \psi(2S) \phi$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 762 (2016) 253-262
46. Measurement of CP violation in $B^0 \rightarrow D^+ D^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 117 (2016) 261801
47. Search for Higgs-like bosons decaying into long-lived exotic particles, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 76 (2016) 664
48. 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, J. High Energy Phys. 1612 (2016) 065
49. Measurement of the CKM angle γ from a combination of LHCb results $^{40}\text{Ca} + ^{58}\text{Ni}$ and $^{40}\text{Ca} + ^{64}\text{Ni}$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 1612 (2016) 087

2015

1. Measurement of the track reconstruction efficiency at LHCb, R. Aaij *et al.*, LHCb Collaboration, J. Instrum 10 (2015) P02007
2. Determination of γ and $-2\beta_s$ from charmless two-body decays of beauty mesons, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 741 (2015) 1
3. 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.*, Eur. Phys. J. C 75 (2015) 311
4. Measurement of the semileptonic CP asymmetry in $B^0 - \bar{B}^0$ mixing, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 114 (2015) 041601
5. Search for the lepton flavour violating decay $\tau^- \rightarrow \mu^- \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 02 (2015) 121
6. Search for CP violation in $D^0 \rightarrow \pi^- \pi^+ \pi^0$ decays with the energy test, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 740 (2015) 158
7. 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, J. High Energy Phys. 01 (2015) 064
8. Study of $\eta - \eta'$ mixing from measurement of $B_{(s)}^0 \rightarrow J/\psi \eta^{(\prime)}$ decay rates, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 01 (2015) 024
9. 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, Phys. Lett. B 742 (2015) 38-49
10. Precision measurement of CP violation in $B_s^0 \rightarrow J/\psi K^+ K^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 114 (2015) 041801
11. Measurement of B_c^+ production in proton-proton collisions at $\sqrt{s} = 8$ TeV, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 114 (2015) 132001
12. 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 Collaboration, LHCb Collaboration, Nature 522 (2015) 68-72
13. Observation of two new Ξ_b^- baryon resonances, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 114 (2015) 062004
14. 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, Phys. Lett. B 742 (2015) 29-37
15. Measurement of the inelastic pp cross-section at a centre-of-mass energy of $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 02 (2015) 129
16. Search for long-lived particles decaying to jet pairs, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 75 (2015) 152
17. LHCb Detector Performance, R. Aaij *et al.*, LHCb Collaboration, Int. J. Mod. Phys. A 30 (2015) 1530022

18. 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, Phys. Lett. B 743 (2015) 46
19. Determination of the branching fractions of $B_S^0 \rightarrow D_S K$ and $B^0 \rightarrow D_S K^+$, R. Aaij *et al.*, J. High Energy Phys. 1505 (2015) 019
20. Angular analysis of the $B^0 \rightarrow K^{*0}e^+e^-$ decay in the low- q^2 region, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 04 (2015) 064
21. Measurement of indirect CP asymmetries in $D^0 \rightarrow K^-K^+$ and $D^0 \rightarrow \pi^-\pi^+$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 04 (2015) 043
22. 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, J. High Energy Phys. 04 (2015) 024
23. Measurement of forward $Z \rightarrow e^+e^-$ production at $\sqrt{s} = 8$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 05 (2015) 109
24. Measurement of CP asymmetries and polarisation fractions in $B_s^0 \rightarrow K^{*0}\bar{K}^{*0}$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 07 (2015) 166
25. Differential branching fraction and angular analysis of $\Lambda_b^0 \rightarrow \Lambda^0\mu^+\mu^-$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 06 (2015) 115
26. Observation of the decay $\bar{B}_s^0 \rightarrow \psi(2S)K^+\pi^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 747 (2015) 484
27. Measurement of CP violation in $B^0 \rightarrow J/\psi K_S^0$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 115 (2015) 031601
28. Observation of the $B_s^0 \rightarrow \eta'\eta'$ decay, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 115 (2015) 051801
29. Measurement of the time-dependent CP asymmetries in $B_s^0 \rightarrow J/\psi K_S^0$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 06 (2015) 131
30. 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, Phys. Lett. B 747 (2015) 468-478
31. 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, J. High Energy Phys. 06 (2015) 130
32. Determination of the quark coupling strength $|V_{ub}|$ using baryonic decays, R. Aaij *et al.*, LHCb Collaboration, Nat. Phys 11 (2015) 743-747
33. 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, Phys. Rev. D 91 (2015) 112014

34. Quantum numbers of the $X(3872)$ state and orbital angular momentum in its $\rho^0 J/\psi$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 92 (2015) 011102
35. Identification of beauty and charm quark jets at LHCb, R. Aaij *et al.*, LHCb Collaboration, J. Instrum 10 (2015) P06013
36. First observation and amplitude analysis of the $B^- \rightarrow D^+ K^- \pi^-$ decay, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 91 (2015) 092002
37. Amplitude analysis of $B^0 \rightarrow \bar{D}^0 K^+ \pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 92 (2015) 012012
38. Search for the decay $B_s^0 \rightarrow \bar{D}^0 f_0(980)$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 08 (2015) 005
39. Dalitz plot analysis of $B^0 \rightarrow \bar{D}^0 \pi^+ \pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 92 (2015) 032002
40. 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, J. High Energy Phys. 09 (2015) 006
41. Study of W boson production in association with beauty and charm, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 92 (2015) 052001
42. 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, Phys. Rev. D 92 (2015) 112005
43. Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 08 (2015) 039
44. Measurement of the exclusive Υ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV and 8 TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 09 (2015) 084
45. First observation of top quark production in the forward region, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 115 (2015) 112001
46. 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, Phys. Rev. Lett 115 (2015) 111803
47. Angular analysis and differential branching fraction of the decay $B_s^0 \rightarrow \phi \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 09 (2015) 179
48. Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 75 (2015) 595
49. 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, Phys. Rev. Lett 115 (2015) 072001

50. 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, Phys. Rev. D 92 (2015) 072007
51. B flavour tagging using charm decays at the LHCb experiment, R. Aaij *et al.*, LHCb Collaboration, J. Instrum 10 (2015) P10005
52. 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, J. High Energy Phys. 10 (2015) 053
53. Search for hidden-sector bosons in $B^0 \rightarrow K^{*0}\mu^+\mu^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 115 (2015) 161802
54. Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K_S^0 K_S^0$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 10 (2015) 055
55. 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, J. High Energy Phys. 10 (2015) 034
56. 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, J. High Energy Phys. 11 (2015) 082
57. Measurement of forward J/ψ production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 10 (2015) 172
58. Forward production of Υ mesons in pp collisions at $\sqrt{s} = 7$ and 8TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 11 (2015) 103
59. 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, J. High Energy Phys. 11 (2015) 190
60. Model-independent confirmation of the $Z(4430)^-$ state, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 92 (2015) 112009
61. Evidence for the strangeness-changing weak decay $\Xi_b^- \rightarrow \Lambda_b^0\pi^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 115 (2015) 241801
62. 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, Phys. Rev. D 92 (2015) 112002
63. Measurements of long-range near-side angular correlations in $\sqrt{s_{NN}} = 5$ TeV proton-lead collisions in the forward region, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 762 (2015) 473-483

2014

1. Measurement of the flavour-specific CP -violating asymmetry a_{sl}^s in B_s^0 decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 728 (2014) 607-615

2. Study of J/ψ production and cold nuclear matter effects in $p\text{Pb}$ collisions at $\sqrt{s_{NN}} = 5$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 02 (2014) 072
3. 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, Phys. Lett. B 728 (2014) 85-94
4. Observation of $\bar{B}_{(s)}^0 \rightarrow J/\psi f_1(1285)$ decays and measurement of the $f_1(1285)$ mixing angle, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 112 (2014) 091802
5. Search for the decay $D^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 728 (2014) 234-243
6. 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, Phys. Rev. Lett 112 (2014) 011801
7. Measurements of indirect CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 112 (2014) 041801
8. Search for CP violation in the decay $D^+ \rightarrow \pi^- \pi^+ \pi^+$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 728 (2014) 585-595
9. Study of forward Z+jet production in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 01 (2014) 033
10. Studies of beauty baryon decays to $D^0 p h^-$ and $\Lambda_c^+ h^-$ final states, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 89 (2014) 032001
11. 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, Phys. Rev. Lett 112 (2014) 111802
12. Observation of associated production of a Z boson with a D meson in the forward region, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 04 (2014) 091
13. 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, J. Phys. G-Nucl. Partic 41 (2014) 055002
14. Search for Majorana neutrinos in $B^- \rightarrow \pi^+ \mu^- \mu^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 112 (2014) 131802
15. Measurement of the B_c^+ meson lifetime using $B_c^+ \rightarrow J/\psi \mu^+ \nu_\mu X$ decays, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 74 (2014) 2839
16. Searches for Λ_b^0 and Ξ_b^0 decays to $K_S^0 p \pi^-$ and $K_S^0 p K^-$ final states with first observation of the $\Lambda_b^0 \rightarrow K_S^0 p \pi^-$ decay, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 04 (2014) 087
17. Measurement of Υ production in pp collisions at $\sqrt{s} = 2.76$ TeV, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 74 (2014) 2835

18. Measurements of the B^+ , B^0 , B_s^0 meson and Λ_b^0 baryon lifetimes, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 04 (2014) 114
19. 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, Phys. Lett. B 733 (2014) 36-45
20. 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, Eur. Phys. J. C 74 (2014) 2888
21. Precision measurement of the ratio of the Λ_b^0 to \bar{B}^0 lifetimes, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 734 (2014) 122-130
22. Measurement of resonant and CP components in $\bar{B}_s^0 \rightarrow J/\psi \pi^+ \pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 89 (2014) 092006
23. Observation of photon polarization in the $b \rightarrow s\gamma$ transition, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 112 (2014) 161801
24. Measurement of $\psi(2S)$ polarisation in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 74 (2014) 2872
25. Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \phi K^*(892)^0$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 05 (2014) 069
26. Study of beauty hadron decays into pairs of charm hadrons, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 112 (2014) 202001
27. Differential branching fractions and isospin asymmetries of $B \rightarrow K^{(*)} \mu^+ \mu^-$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 06 (2014) 133
28. Angular analysis of charged and neutral $B \rightarrow K \mu^+ \mu^-$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 05 (2014) 082
29. Evidence for the decay $X(3872) \rightarrow \psi(2S)\gamma$, R. Aaij *et al.*, LHCb Collaboration, Nucl. Phys. B 886 (2014) 665-680
30. Evidence for the decay $B_c^+ \rightarrow J/\psi 3\pi^+ 2\pi^-$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 05 (2014) 148
31. Observation of the resonant character of the $Z(4430)^-$ state, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 112 (2014) 222002
32. Measurement of the resonant and CP components in $\bar{B}^0 \rightarrow J/\psi \pi^+ \pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 90 (2014) 012003
33. Measurement of the Ξ_b^- and Ω_b^- baryon lifetimes, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 736 (2014) 154-162
34. Measurement of CP asymmetry in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 07 (2014) 014

35. Observation of the $B_s^0 \rightarrow J/\psi K_S^0 K^\pm \pi^\mp$ decay, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 07 (2014) 140
36. 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, Phys. Lett. B 736 (2014) 186
37. Study of Υ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 07 (2014) 094
38. 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, J. High Energy Phys. 08 (2014) 143
39. Observation of the $\Lambda_b^0 \rightarrow J/\psi p \pi^-$ decay, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 07 (2014) 103
40. 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, J. High Energy Phys. 10 (2014) 25
41. Observation of Z production in proton-lead collisions at LHCb, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 09 (2014) 030
42. First measurement of the charge asymmetry in beauty-quark pair production, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 113 (2014) 082003
43. Test of lepton universality using $B^+ \rightarrow K^+ \ell^+ \ell^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 113 (2014) 151601
44. Effective lifetime measurements in the $B_s^0 \rightarrow K^+ K^-$, $B^0 \rightarrow K^+ \pi^-$ and $B_s^0 \rightarrow \pi^+ K^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 736 (2014) 446-454
45. Measurement of CP violation in $B_s^0 \rightarrow \phi \phi$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 90 (2014) 052011
46. Precision measurement of the mass and lifetime of the Ξ_b^0 baryon, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 113 (2014) 032001
47. Observation of charmonium pairs produced exclusively in pp collisions, R. Aaij *et al.*, LHCb Collaboration, J. Phys. G-Nucl. Partic 41 (2014) 115002
48. Measurement of the \bar{B}_s^0 meson lifetime in $D_s^+ \pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 113 (2014) 172001
49. Evidence of CP violation in $B^+ \rightarrow p \bar{p} K^+$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 113 (2014) 141801
50. 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, Nucl. Phys. B 888 (2014) 169-193
51. Measurement of CP asymmetry in $B_s^0 \rightarrow D_s^\mp K^\pm$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 11 (2014) 060

52. Measurement of the ratio of B_c^+ branching fractions to $J/\psi\pi^+$ and $J/\psi\mu^+\nu_\mu$ final states, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 90 (2014) 032009
53. 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, Phys. Rev. Lett 113 (2014) 162001
54. 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, New J. Phys 16 (2014) 123001
55. Study of χ_b meson production in pp collisions at $\sqrt{s} = 7$ and 8TeV and observation of the decay $\chi_b(3P) \rightarrow \Upsilon(3S)\gamma$, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 74 (2014) 3092
56. Measurement of CP violation parameters in $B^0 \rightarrow DK^{*0}$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 90 (2014) 112002
57. 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, Phys. Lett. B 739 (2014) 218-228
58. 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, J. High Energy Phys. 10 (2014) 064
59. 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, J. High Energy Phys. 09 (2014) 177
60. First observation of a baryonic B_c^+ decay, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 113 (2014) 152003
61. Dalitz plot analysis of $B_s^0 \rightarrow \bar{D}^0 K^- \pi^+$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 90 (2014) 072003
62. Search for CP violation using T -odd correlations in $D^0 \rightarrow K^+K^-\pi^+\pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 10 (2014) 005
63. Measurement of the CKM angle γ using $B^\pm \rightarrow DK^\pm$ with $D \rightarrow K_S^0\pi^+\pi^-, K_S^0K^+K^-$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 10 (2014) 097
64. Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 12 (2014) 079
65. Measurements of CP violation in the three-body phase space of charmless B^\pm decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 90 (2014) 112004
66. 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, J. High Energy Phys. 10 (2014) 088

- 67. 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, Phys. Rev. Lett 113 (2014) 211801
- 68. Precision measurement of the mass and lifetime of the Ξ_b^- baryon, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 113 (2014) 242002
- 69. Precision luminosity measurements at LHCb, R. Aaij *et al.*, LHCb Collaboration, J. Instrum 9 (2014) P12005

2013

- 1. Implications of LHCb measurements and future prospects, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 73 (2013) 2373
- 2. Search for the rare decay $K_S^0 \rightarrow \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 01 (2013) 090
- 3. Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 02 (2013) 105
- 4. First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \phi$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 02 (2013) 043
- 5. 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, Nucl. Phys. B 867 (2013) 547-566
- 6. Measurement of the D^\pm production asymmetry in 7 TeV pp collisions, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 718 (2013) 902-909
- 7. Measurement of the CP asymmetry in $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 110 (2013) 031801
- 8. Observation of $D^0 - \bar{D}^0$ oscillations, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 110 (2013) 101802
- 9. 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, Phys. Lett. B 719 (2013) 318-325
- 10. 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, J. High Energy Phys. 01 (2013) 111
- 11. First Evidence for the Decay $B_s^0 \rightarrow \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 110 (2013) 021801
- 12. The LHCb Trigger and its Performance in 2011, R. Aaij *et al.*, LHCb Collaboration, J. Instrum 8 (2013) P04022
- 13. Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow J/\psi K_S^0$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 721 (2013) 24-31

14. First observation of the $B_{s2}^*(5840)^0 \rightarrow B^{*+}K^-$ and studies of excited B_s^0 mesons, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 110 (2013) 151803
15. Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 02 (2013) 041
16. Measurement of the forward energy flow in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 73 (2013) 2421
17. 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, J. High Energy Phys. 02 (2013) 106
18. Measurement of CP observables in $B^0 \rightarrow DK^{*0}$ with $D \rightarrow K^+K^-$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 03 (2013) 067
19. Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 04 (2013) 001
20. Analysis of the resonant components in $\bar{B}^0 \rightarrow J/\psi\pi^+\pi^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 87 (2013) 052001
21. Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. Phys. G-Nucl. Partic 40 (2013) 045001
22. Measurement of the Λ_b^0 , Ξ_b^- and Ω_b^- baryon masses, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 110 (2013) 182001
23. Amplitude analysis and the branching fraction measurement of $\bar{B}_s^0 \rightarrow J/\psi K^+ K^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 87 (2013) 072004
24. Prompt charm production in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, Nucl. Phys. B 871 (2013) 1-20
25. Determination of the $X(3872)$ meson quantum numbers, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 110 (2013) 222001
26. Observation of the $B_s^0 \rightarrow \psi(2S)\eta$ and $B_{(s)}^0 \rightarrow \psi(2S)\pi^+\pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Nucl. Phys. B 871 (2013) 403-419
27. 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, Phys. Lett. B 724 (2013) 27
28. Observation of the decay $B_c^+ \rightarrow \psi(2S)\pi^+$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 87 (2013) 071103
29. Search for direct CP violation in $D^0 \rightarrow h^-h^+$ modes using semileptonic B decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 723 (2013) 33-43
30. Search for the decay $B_s^0 \rightarrow D^{*\mp}\pi^\pm$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 87 (2013) 071101

31. 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, Phys. Rev. D 87 (2013) 092007
32. Search for rare $B_{(s)}^0 \rightarrow \mu^+\mu^-\mu^+\mu^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 110 (2013) 1528276
33. 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, Phys. Lett. B 723 (2013) 44-53
34. Search for CP violation in $D^+ \rightarrow \phi\pi^+$ and $D_s^+ \rightarrow K_S^0\pi^+$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 06 (2013) 112
35. First measurement of the CP -violating phase in $B_s^0 \rightarrow \phi\phi$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 110 (2013) 241802
36. 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, Phys. Rev. D 87 (2013) 112010
37. Limits on neutral Higgs boson production in the forward region in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 05 (2013) 132
38. Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0}\mu^+\mu^-$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 08 (2013) 131
39. Measurement of the effective $B_s^0 \rightarrow J/\psi K_S^0$ lifetime, R. Aaij *et al.*, LHCb Collaboration, Nucl. Phys. B 873 (2013) 275-292
40. Observation of $B_c^+ \rightarrow J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^{*+}$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 87 (2013) 112012
41. Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 724 (2013) 36-45
42. 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, New J. Phys 15 (2013) 053021
43. 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, Phys. Rev. D 87 (2013) 112009
44. Search for $D_{(s)}^+ \rightarrow \pi^+ \mu^+ \mu^-$ and $D_{(s)}^+ \rightarrow \pi^- \mu^+ \mu^+$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 724 (2013) 203-212
45. Measurements of the branching fractions of $B^+ \rightarrow p\bar{p}K^+$ decays, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 73 (2013) 2462
46. First observation of CP violation in the decays of B_s^0 mesons, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 110 (2013) 221601

47. Precision measurement of D meson mass differences, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 06 (2013) 065
48. Measurement of the $B^0 \rightarrow K^{*0}e^+e^-$ branching fraction at low dilepton mass, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 05 (2013) 159
49. Production of J/ψ and Υ mesons in pp collisions at $\sqrt{s} = 8$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 06 (2013) 064
50. Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \phi\mu^+\mu^-$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 07 (2013) 084
51. Measurement of the CKM angle γ from a combination of $B^\pm \rightarrow Dh^\pm$ analyses, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 726 (2013) 151-163
52. Study of $B^0 \rightarrow D^{*-}\pi^+\pi^-\pi^+$ and $B^0 \rightarrow D^{*-}K^+\pi^-\pi^+$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 87 (2013) 092001
53. Search for the rare decay $D^0 \rightarrow \mu^+\mu^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 725 (2013) 15-24
54. 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, Nucl. Phys. B 874 (2013) 663-678
55. First observation of the decay $B_s^0 \rightarrow \phi\bar{K}^{*0}$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 11 (2013) 092
56. Measurement of the differential branching fraction of the decay $\Lambda_b^0 \rightarrow \Lambda\mu^+\mu^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 725 (2013) 25-35
57. 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, Phys. Rev. Lett 111 (2013) 101801
58. 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, J. High Energy Phys. 09 (2013) 006
59. First observation of the decay $B_c^+ \rightarrow J/\psi K^+$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 09 (2013) 075
60. Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 08 (2013) 117
61. Precision measurement of the Λ_b^0 baryon lifetime, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 111 (2013) 102003
62. Measurement of the polarization amplitudes in $B^0 \rightarrow J/\psi K^*(892)^0$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 88 (2013) 052002
63. Measurement of the relative rate of prompt χ_{c0} , χ_{c1} and χ_{c2} production at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 10 (2013) 115

64. Study of D_J meson decays to $D^+\pi^-$, $D^0\pi^+$ and $D^{*+}\pi^-$ final states in pp collisions, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 09 (2013) 145
65. 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, Phys. Rev. Lett 111 (2013) 101805
66. 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, Phys. Rev. D 88 (2013) 052015
67. Measurement of J/ψ polarization in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 73 (2013) 2631
68. Observation of a resonance in $B^+ \rightarrow K^+\mu^+\mu^-$ decays at low recoil, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 111 (2013) 112003
69. 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, J. High Energy Phys. 10 (2013) 143
70. First evidence for the two-body charmless baryonic decay $B^0 \rightarrow p\bar{p}$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 10 (2013) 005
71. Measurement of the CP asymmetry in $B^+ \rightarrow K^+\mu^+\mu^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 111 (2013) 151801
72. 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, Phys. Rev. Lett 111 (2013) 141801
73. 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, Phys. Lett. B 726 (2013) 646-655
74. Measurement of form-factor independent observables in the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 111 (2013) 191801
75. 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, Eur. Phys. J. C 73 (2013) 2655
76. First measurement of time-dependent CP violation in $B_s^0 \rightarrow K^+ K^-$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 10 (2013) 183
77. 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, Phys. Lett. B 726 (2013) 623-633
78. Observation of the decay $B_c^+ \rightarrow B_s^0 \pi^+$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 111 (2013) 181801
79. Observation of the decay $B_s^0 \rightarrow \bar{D}^0 \phi$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 727 (2013) 403-411

80. First observation of $\overline{B}^0 \rightarrow J/\psi K^+ K^-$ and search for $\overline{B}^0 \rightarrow J/\psi \phi$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 88 (2013) 072005
81. Observation of the decay $B_c^+ \rightarrow J/\psi K^+ K^- \pi^+$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 11 (2013) 094
82. Measurement of D^0 - \overline{D}^0 mixing parameters and search for CP violation using $D^0 \rightarrow K^+ \pi^-$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 111 (2013) 251801
83. Search for the doubly charmed baryon Ξ_{cc}^+ , R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 12 (2013) 090

2012

1. Observation of J/ψ pair production in pp collisions at $\sqrt{s}=7$ TeV, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 707 (2012) 52–59
2. Search for the lepton number violating decays $B^+ \rightarrow \pi^- \mu^+ \mu^+$ and $B^+ \rightarrow K^- \mu^+ \mu^+$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 108 (2012) 101601
3. Absolute luminosity measurements with the LHCb detector at the LHC, R. Aaij *et al.*, LHCb Collaboration, J. Instrum 7 (2012) P01010
4. Measurement of the effective $B_s^0 \rightarrow K^+ K^-$ lifetime, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 707 (2012) 349–356
5. Measurement of b hadron production fractions in 7 TeV pp collisions, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 85 (2012) 032008
6. First observation of the decay $B_s^0 \rightarrow K^{*0} \overline{K}^{*0}$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 709 (2012) 50–58
7. Evidence for CP violation in time-integrated $D^0 \rightarrow h^- h^+$ decay rates, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 108 (2012) 111602
8. Search for the rare decays $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 708 (2012) 55–67
9. Measurement of the CP violating phase ϕ_s in $\overline{B}_s^0 \rightarrow J/\psi f_0(980)$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 707 (2012) 497–505
10. Measurement of the CP-violating phase ϕ_s in the decay $B_s^0 \rightarrow J/\psi \phi$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 108 (2012) 101803
11. Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 108 (2012) 181806
12. Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 72 (2012) 1947

13. 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, Phys. Lett. B 709 (2012) 177-184
14. Measurement of mixing and CP violation parameters in two- body charm decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 04 (2012) 129
15. Observation of $\bar{B}_s^0 \rightarrow J/\psi f_2'(1525)$ in $J/\psi K^+ K^-$ final states, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 108 (2012) 151801
16. Measurement of b -hadron masses, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 708 (2012) 241-248
17. Observation of X(3872) production in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 72 (2012) 1972
18. 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, Phys. Rev. Lett 108 (2012) 161801
19. Searches for Majorana neutrinos in B^- decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 85 (2012) 112004
20. 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, Phys. Lett. B 714 (2012) 215-223
21. Determination of the sign of the decay width difference in the B_s^0 system, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 108 (2012) 241801
22. Search for the X(4140) state in $B^+ \rightarrow J/\psi \phi K^+$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 85 (2012) 091103
23. Measurement of the B^\pm production cross-section in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 04 (2012) 093
24. Opposite-side flavour tagging of B mesons at the LHCb experiment, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 72 (2012) 2022
25. First evidence of direct CP violation in charmless two- body decays of B_s^0 mesons, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 108 (2012) 201601
26. Measurement of Υ production in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 72 (2012) 2025
27. 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, Phys. Rev. D 85 (2012) 112013
28. Measurements of the branching fractions and CP asymmetries of $B^\pm \rightarrow J/\psi \pi^\pm$ and $B^\pm \rightarrow \psi(2S) \pi^\pm$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 85 (2012) 091105(R)
29. Observation of CP violation in $B^\pm \rightarrow DK^\pm$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 712 (2012) 203-212

30. Strong constraints on the rare decays $B_s^0 \rightarrow \mu^+\mu^-$ and $B^0 \rightarrow \mu^+\mu^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 108 (2012) 231801
31. Measurement of $\psi(2S)$ meson production in pp collisions at $\sqrt{s}=7$ TeV, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 72 (2012) 2100
32. Inclusive W and Z production in the forward region at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 06 (2012) 058
33. Measurement of the polarization amplitudes and triple product asymmetries in the $B_s^0 \rightarrow \phi\phi$ decay, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 713 (2012) 369-377
34. First observation of decay $B_c^+ \rightarrow J/\psi\pi^+\pi^-\pi^+$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 108 (2012) 251802
35. 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, Phys. Lett. B 718 (2012) 431-440
36. Measurement 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, J. High Energy Phys. 06 (2012) 115
37. Analysis of the resonant components in $\bar{B}_s^0 \rightarrow J/\psi\pi^+\pi^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 86 (2012) 052006
38. 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, Phys. Lett. B 713 (2012) 378-386
39. Measurement of the isospin asymmetry in $B \rightarrow K^{(*)}\mu^+\mu^-$ decays, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 07 (2012) 133
40. Measurement of the $D_s^+ - D_s^-$ production asymmetry in 7 TeV pp collisions, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 713 (2012) 186-195
41. Observation of double charm production involving open charm in pp collisions at $\sqrt{s}=7$ TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 06 (2012) 141
42. Measurement of relative branching fractions of B decays to $\psi(2S)$ and J/ψ mesons, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 72 (2012) 2118
43. Measurement of the $B_s^0 \rightarrow J/\psi K_S^0$ branching fraction, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 713 (2012) 172-179
44. Observation of excited Λ_b^0 baryons, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 109 (2012) 172003
45. Measurement of b -hadron branching fractions for two-body decays into charmless charged hadrons, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 10 (2012) 037
46. Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 72 (2012) 2168

47. Measurement of the \bar{B}_s^0 effective lifetime in the $J/\psi f_0(980)$ final state, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 109 (2012) 152002
48. 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, J. High Energy Phys. 10 (2012) 151
49. Measurement of the effective $B_s^0 \rightarrow K^+ K^-$ lifetime, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 716 (2012) 393-400
50. Observation of $B^0 \rightarrow \bar{D}^0 K^+ K^-$ and evidence of $B_s^0 \rightarrow \bar{D}^0 K^+ K^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 109 (2012) 131801
51. Measurement of the $B_s^0 \rightarrow J/\psi \bar{K}^{*0}$ branching fraction and angular amplitudes, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 86 (2012) 071102
52. Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^{*0} \gamma)/B(B_s^0 \rightarrow \phi \gamma)$ and the direct CP asymmetry in $B^0 \rightarrow K^{*0} \gamma$, R. Aaij *et al.*, LHCb Collaboration, Nucl. Phys. B 867 (2012) 1-18
53. 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, J. High Energy Phys. 11 (2012) 031
54. 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, Phys. Lett. B 718 (2012) 43-55
55. Measurements of B_c^+ production and mass with the $B_c^+ \rightarrow J/\psi \pi^+$ decay, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 109 (2012) 232001
56. First observation of the decay $B^+ \rightarrow \pi^+ \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 12 (2012) 125
57. 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, Phys. Rev. D 86 (2012) 112005

2011

1. First observation of $B_s^0 \rightarrow J/\psi f_0(980)$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 698 (2011) 115-122
2. First observation of $\bar{B}_s^0 \rightarrow D_{s2}^{*+} X \mu^- \bar{\nu}$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 698 (2011) 14-20
3. Measurement of J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, Eur. Phys. J. C 71 (2011) 1645
4. Search for the rare decays $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 699 (2011) 330-340
5. Determination of f_s/f_d for 7 TeV pp collisions and a measurement of the branching fraction of the decay $B^0 \rightarrow D^- K^+$, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. Lett 107 (2011) 211801

6. Measurement of V^0 production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV, R. Aaij *et al.*, LHCb Collaboration, J. High Energy Phys. 08 (2011) 034
7. Measurement of the inclusive ϕ cross-section in pp collisions at $\sqrt{s} = 7$ TeV, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 703 (2011) 267-273
8. 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, Phys. Rev. D 84 (2011) 092001
9. First observation of the decay $\bar{B}_s^0 \rightarrow D^0 K^{*0}$ and a measurement of the ratio of branching fractions $\frac{\mathcal{B}(\bar{B}_s^0 \rightarrow D^0 K^{*0})}{\mathcal{B}(\bar{B}_s^0 \rightarrow D^0 \rho^0)}$, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 706 (2011) 32-39
10. Search for CP violation in $D^+ \rightarrow K^- K^+ \pi^+$ decays, R. Aaij *et al.*, LHCb Collaboration, Phys. Rev. D 84 (2011) 112008

2010

1. Prompt K_S^0 production in pp collisions at $\sqrt{s} = 0.9$ TeV, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 693 (2010) 69-80
2. Measurement of $\sigma(pp \rightarrow b\bar{b}X)$ at $\sqrt{s} = 7$ TeV in the forward region, R. Aaij *et al.*, LHCb Collaboration, Phys. Lett. B 694 (2010) 209-216

acte de conférence

2017

1. Summary of the CKM 2016 working group on rare decays, A. Ishikawa, E. Lunghi, M. Moulson, J. Serrano, PoS, CKM2016, 9th International Workshop on the CKM Unitarity Triangle (2017) 016, Mumbai, India, 28 Nov - 03 Dec 2016
2. Lepton Flavour Violation in Tau Decays: Results and Prospects at the LHC, K. De Bruyn, Nucl.Part.Phys.Proc, 287-288, The 14th International Workshop on Tau Lepton Physics (Tau2016) (2017) 164-167, Beijing, China, 18-23 Sep 2016
3. Tests of Lepton Universality at LHCb, K. A. De Bruyn, N.P.P.P., 287-288, The 14th International Workshop on Tau Lepton Physics (Tau2016) (2017) 177-180, Beijing, China, 18-23 Sep 2016
4. Rare decays and exotic states in quark flavour physics, J. Serrano, PoS, EPS-HEP2017, 2017 European Physical Society Conference on High Energy Physics (2017) 602, Venice, Italy, 5-12 Jul 2017

2016

1. EW and radiative penguin transitions from B-factories, S. Akar, indéfini, 2016, 16th International Conference on B-Physics at Frontier Machines (2016) 040, Marseille, France, 2-6 May 2016

2. A Roadmap to Controlling Penguin Effects in ϕ_d and ϕ_s , K. De Bruyn, indéfini, 2016, 16th International Conference on B-Physics at Frontier Machines (2016) 004, Marseille, France, 2-6 May 2016

2015

1. The LHCb Distributed Computing Model and Operations during LHC Runs 1, 2 and 3, S. Roiser, A. Casajus Ramo, M. Cattaneo, P. Charpentier, P. Clarke, J. Closier, M. Corvo, A. Falabella, J. Flix Molina, J.V. De Franca Messias Medeiros, R. Graciani Diaz, C. Haen, M. Hushchyn, C. Luzzi, Z. Mathe, A. McNab, R. Nandakumar, S. Perazzini, D. Remenska, V. Romanovskiy, M. Salichos, R. Santana, M.W. Slater, L. Tomassetti, A. Tsaregorodtsev, A. Ustyuzhanin, V. Vagnoni, A. Vedae, A. Zhelezov, PoS, SGC2015, International Symposium on Grids and Clouds 2015 (2015) 005, Tapei, Taiwan, 15-20 Mar 2015
2. Pilots 2.0: DIRAC pilots for all the skies, F. Stagni, A. Tsaregorodtsev, A. McNab, C. Luzzi, J. Phys. Conf. Ser., 664, 21st Conference in High Energy and Nuclear Physics 2015 (2015) 062061, Okinawa, Japan, 13-17 Apr 2015

2014

1. Clock and timing distribution in the LHCb upgraded detector and readout system, F. Alessio, S. Baron, M. Barros Marin, J. Cachemiche, F. Hachon, R. Jacobsson, K. Wyllie, indéfini, Topical Workshop on Electronics for Particle Physics 2014 (2014), Aix En Provence, France, 22-26 Sep 2014

2013

1. Recent developments for the Upgrade of the LHCb readout system, J. P. Cachemiche, P. Y. Duval, F. Hachon, R. Le Gac, F. Réthoré, J. Instrum., 8, Topical Workshop on Electronics for Particle Physics 2012 (TWEPP12) (2013) C02014, Oxford, United Kingdom, 17-21 Sep 2012
2. Searches for very rare decays to purely leptonic final states at LHCb, M. Perrin-Terrin, indéfini, 36th International Conference on High Energy Physics (2013), Melbourne, Australia, 4-11 Jul 2012
3. Searches for rare decays at LHCb, M. Perrin-Terrin, indéfini, DPF 2013 (2013), Santa Cruz, United States, 13-17 Aug 2013
4. Measurement of ϕ_s at LHCb, O. Leroy, indéfini, Meeting of the American Physical Society Division of Particles and Fields (2013), Santa Cruz, United States, 13-17 Aug 2013
5. Rare decays of beauty and charm hadrons at LHCb, J. Serrano, indéfini, 9th Rencontres du Vietnam: Windows on the Universe (2013), Quy Nhon, Vietnam, 11-17 Aug 2013
6. Study of penguin's contribution in the measurement of the phase ϕ_s in $B_s^0 \rightarrow J/\psi\phi$ decays at LHCb, W. Kanso, indéfini, volume, Journées de Rencontres des Jeunes Chercheurs 2013 (2013) pages, Barbaste, France, 1-7 Dec 2013

7. Rare dileptonic $B_{(s)}^0$ decays at LHCb, A. Morda, indéfini, volume, Journées de Rencontres des Jeunes Chercheurs 2013 (2013) pages, Barbaste, France, 1-7 Dec 2013

2012

1. Prospects for CP violation in $B_s^0 \rightarrow J/\psi\phi$ from first LHCb data, O. Leroy, J. Phys. Conf. Ser., 335, Symposium on Prospects in the Physics of Discrete Symmetries (2012) 012042, Rome, Italy, 6-11 Dec 2010
2. Prospects for CP violation in $B_s^0 \rightarrow J/\psi\phi$ from first LHCb data, O. Leroy, Nuovo Cim. C, 35, 25ème Rencontres de Physique de La Vallée d'Aoste (2012) C N.1, La Thuile, Italy, 27 Feb - 5 Mar 2011
3. The LHCb Upgrade, R. Le Gac, indéfini, XX International Workshop on Deep-Inelastic Scattering and Related Subjects (2012), Bonn, Germany, 26-30 Mar 2012
4. Study of CPV in b and Charm Systems at LHCb, E. Maurice, indéfini, 26ème Rencontres de Physique de La Vallée d'Aoste (2012), La Thuile, Italy, 26 Feb - 3 Mar 2012
5. Recent results from LHCb, J. Serrano, PoS, Lattice 2012 - The 30th International Symposium on Lattice Field Theory (2012), Cairns, Australia, 24-29 Jun 2012
6. Mixing and CP violation, O. Leroy, indéfini, Physics at LHC 2012 (2012), Vancouver, Canada, 4-9 Jun 2012
7. Rare decays at LHCb, C. Adrover Pacheco, indéfini, Physics at LHC 2012 (2012), Vancouver, Canada, 4-9 Jun 2012
8. $B_{(s)}^0 \rightarrow \mu^+\mu^-$ searches at LHCb, C. Adrover Pacheco, indéfini, Physics at LHC 2012 (2012), Vancouver, Canada, 4-9 Jun 2012
9. Rare Decays with LHCb, G. Mancinelli, indéfini, International conference : Beyond The Standard Model of Particle Physics (2012), Quy Nhon, Vietnam, 15-21 Jul 2012

2011

1. Search for New Physics with Rare Heavy Flavour Decays at LHCb, G. Mancinelli, indéfini, 35th International Conference on High Energy Physics (2011), Paris, France, 22-28 Jul 2010
2. Operation and Performance of the LHCb experiment, F. Alessio, indéfini, Workshop on Discovery Physics at the LHC (2011), Mpumalanga, South Africa, 5-10 Dec 2010
3. Summary of WG4: Lifetime, mixing and weak mixing phase in charm and beauty, including direct determination of V_{tx} , M. Kreps, A. Lenz, O. Leroy, indéfini, 6th International Workshop on the CKM Unitarity Triangle (2011), Warwick, United Kingdom, 6-10 Sep 2010

4. $b \rightarrow \mu^+ \mu^-$ and $b \rightarrow s \mu^+ \mu^-$ at LHC, G. Mancinelli, indéfini, Flavor Physics and CP Violation 2011 (2011), Maale Hachamisha, Israel, 23-27 May 2011
5. Near beam-gas background for LHCb at 3.5 TeV, D. R. Brett, R. B. Appleby, G. Corti, F. Alessio, R. Jacobsson, V. Talanov, M. H. Lieng, indéfini, 2nd International Particle Accelerator Conference (2011), San Sebastian, Spain, 4-9 Sep 2011
6. Search for the rare decays $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ at LHCb, J. Serrano, indéfini, 2011 Europhysics Conference on High Energy Physics (2011), Grenoble, France, 21-27 Jul 2011
7. Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B_d^0 \rightarrow \mu^+ \mu^-$, M. Perrin-Terrin, indéfini, Physics at LHC 2011 (2011), Perugia, Italy, 6-11 Jun 2011

2010

1. Study for the LHCb readout board, J.-P. Cachemiche, P.-Y. Duval, F. Hachon, R. Le Gac, F. Marin, indéfini, 5, TWEPP 2010 Topical Workshop on Electronics for Particle Physics (2010) C12036, Aachen, Germany, 20-24 Jun 2010
2. LHCb prospects for full energy and beyond (incl. upgrades), R. Le Gac, indéfini, Hadron Collider Physics Symposium 2010 (2010), Toronto, Canada, 23-27 Aug 2010
3. Recherche de la Nouvelle Physique dans les Désintégrations $B_s^0 \rightarrow J/\psi \phi$ avec le Détecteur LHCb auprès du LHC, E. Maurice, indéfini, Journées Jeunes Chercheurs (JJC2010) (2010), Angers, indéfini, 21-27 Nov 2010
4. Search for $BR(B_s \rightarrow \mu^+ \mu^-)$ at the LHCb experiment, C. Adrover, indéfini, Journées Jeunes Chercheurs (JRJC2010) (2010), Nantes, France, 21-27 Nov 2010

présentation orale

2018

1. LHCb prospects for measurements of UT angles, **A. Poluektov**, XIII Meeting on B Physics : Synergy between LHC and SUPERKEKB in the Quest for New Physics, Marseille, France, 1-3 Oct 2018
2. Lepton avour universality violating B decays in trees, **A. Morris**, XIII Meeting on B Physics: Synergy between LHC and SUPERKEKB in the Quest for New Physics, Marseille, France, 1-3 Oct 2018
3. LHCb Upgrade(s), **R. Le Gac**, GDR-InF workshop: The future of the intensity frontier?, Genève, Switzerland, 1-2 Feb 2018
4. SM tests in rare B decays with tau leptons in the final state, **G. Mancinelli**, Towards the Ultimate Precision in Flavour Physics, London, United Kingdom, 16-18 Apr 2018

5. New Physics searches using Lepton Flavour Universality tests at LHCb, **O. Leroy**, 11th France China Particle Physics Laboratory workshop (FCPPL2018), Marseille, France, 22-25 Mai 2018
6. Tests of lepton universality with semitauonic b-quark decays, **O. Leroy**, XXXIX International Conference on High Energy Physics, Seoul, South Korea, 4-11 Jul 2018
7. Using TensorFlow for amplitude fits: The TensorFlowAnalysis package, **A. Morris**, A. Poluektov, A. Mauri, A. Merli, A.Mathad, M. Martinelli, PyHEP workshop, Sofia, Bulgaria, 7-8 Jui 2018
8. Lepton Flavor Violating B decays at LHCb, **J. Arnau Romeu**, 16th Conference on Flavor Physics and CP Violation (FPCP 2018), Hyderabad, India, 14-18 Jul 2018
9. Tests of lepton avour universality using semitauonic B decays at LHCb, **A. Morris**, 10th International Workshop on the CKM Unitarity Triangle, Heidelberg, Germany, 17-21 Sep 2018
10. Rare B decays with final state including τ leptons, **J. Cogan**, XIII Meeting on B Physics : Synergy between LHC and SUPERKEKB in the Quest for New Physics, Marseille, France, 1-3 Oct 2018
11. Tests of Lepton Flavour Universality using semitauonic decays at LHCb, **D. Gerstel**, O. Leroy, A. Morris and R(D*) Run1 proponent, The GDR-InF annual workshop, Arles, France, 5-7 Nov 2018
12. Rare heavy mesons decays to leptons, **C. Méaux**, G. Mancinelli, J. Serrano, A. Bharucha, D. Boito, The GDR-InF annual workshop, Arles, France, 5-7 Nov 2018

2017

1. Exclusive $b \rightarrow s\tau^+\tau^-$ Decays from LHCb, **K. De Bruyn**, Workshop Current Trends in Flavor Physics, Paris, France, 29-31 Mar 2017
2. Using virtualized computing resources with the DIRAC Interware, **A. Tsaregorodtsev**, International Symposium on Grids and Clouds, Taipei, Taiwan, 5-10 Mar 2017
3. New physics searches with $b \rightarrow sl^{+l^-}$ transitions and rare decays at LHCb, **K. De Bruyn**, XXXI Rencontres de Physique de La Vallée d'Aoste, La Thuile, Italy, 5-11 Mar 2017
4. Searching for $B \rightarrow \tau^+\tau^-$ Decays, **K. De Bruyn**, Rencontre de Physique des Particules (RPP) 2017, Marseille, France, 24-26 Avr 2017
5. Tests of Lepton Universality at LHCb, **K. A. De Bruyn**, The 14th International Workshop on Tau Lepton Physics (Tau2016), Beijing, China, 18-23 Sep 2016
6. BSM searches with tests of LFU and rare decays at LHCb, **O. Leroy**, In search of new paradigms, New York, United States, 11-13 Oct 2017

2016

1. Heavy Flavor Rare Decays, **J. Cogan**, 2016 Aspen Winter Conference on Particle Physics, Aspen, United States, 11-16 Jan 2016
2. Flavor Physics, **O. Leroy**, Lake Louise Winter Institute 2016, Lake Louise, Canada, 07-13 Feb 2016
3. DIRAC Data Management Framework, **A. Tsaregorodtsev**, International Symposium on Grids and Clouds 2016, Tapei, Taiwan, 13-18 Mar 2016
4. A Roadmap to Controlling Penguin Effects in ϕ_d and ϕ_s , **K. De Bruyn**, 16th International Conference on B-Physics at Frontier Machines, Beauty 2016, Marseille, France, 01-06 May 2016
5. EW and radiative penguin transitions from B-factories, **S. Akar**, 16th International Conference on B-Physics at Frontier Machines, Marseille, France, 2-6 May 2016
6. CP violation in B and charm decays at LHCb, **S. Akar**, 28th Rencontres de Blois on Particle Physics and Cosmology, Blois, France, 29 May - 2 Jun 2016
7. DIRAC Data Management System, **A. Tsaregorodtsev**, 7th International Conference "Distributed Computing and Grid- technologies in Science and Education" (GRID2016), Dubnia, Russia, 04-09 Jun 2016
8. Experimental prospects on time-dependent CP Violation and Mixing in $B_{(s)}^0$ Meson decays, **O. Leroy**, Heavy Flavour 2016 - Quo Vadis?, Islay, United Kingdom, 11-15 Jul 2016
9. Potential for CPV measurements in the HL-LHC period, **S. Akar**, Heavy Flavour physics at HL-LHC, Genève, Switzerland, 31 Aug 2016
10. Tests of Lepton Universality at LHCb and LFV in Tau Decays: Results and Prospects at the LHC, **K. De Bruyn**, The 14th International Workshop on Tau Lepton Physics (Tau2016), Beijing, China, 18-23 Sep 2016
11. WG3 Summary-Rare B,D,K Decays, **J. Serrano**, 9th International Workshop on the CKM Unitarity Triangle (CKM2016), Mumbai, India, 28 Nov - 2 Dec 2016
12. Rare B decays with taus, **J. Serrano**, Workshop 'LFV/LFUV, why and How?', Paris, France, 7-9 Nov 2016

2015

1. Flavour Physics, **J. Serrano**, Journée de la Société Française de Physique sur le futur de la Physique des Particules, Paris, France, 23 Jan 2015
2. Federating LHCb datasets using the DIRAC File catalog, C. Haen, P. Charpentier, M. Frank, A. Tsaregorodtsev, 21st Conference in High Energy and Nuclear Physics 2015, Okinawa, Japan, 13-17 Apr 2015

3. Mixing-induced CP violation in B_s decays, **S. Akar**, Flavor Physics “CP violation 2015” (FPCP 2015), Nagoya, Japan, 25-29 Mai 2015
4. Rare beauty and charm decays at LHCb, **A. Morda**, 27th Rencontres de Blois on Particle Physics and Cosmology, Blois, France, 31 May - 5 Jun 2015
5. Rare Decays in Search for BSM physics at LHCb, **J. Serrano**, LISHEP 2015, Manaus, Brazil, 2-9 Aou 2015
6. Heavy flavour physics at LHCb: Run I highlights and future prospects, **S. Akar**, XXIIIe Congrès Général de la Société Française de Physique, Strasbourg, France, 24-28 Aou 2015
7. TWEPP 2015 - Topical Workshop on Electronics for Particle Physics, F. Rethoré, TWEPP 2015 - Topical Workshop on Electronics for Particle Physics, Lisbonne, Portugal, 28 Sep - 03 Oct 2015
8. Status of the DIRAC Project: overview and recent developments, **A. Tsaregorodtsev**, XXV International Symposium on Nuclear Electronics and Computing NEC’2015, Budva, Becici, Montenegro, 28 Sep 2015 - 2 Oct 2015
9. The PCIe-based readout system for the LHCb experiment, **F. Rethore**, Topical Workshop on Electronics for Particle Physics, Lisbon, Portugal, 28 Sep - 2 Oct 2015
10. Experimental overview of measurements of mixing phases and CPV results with $B \rightarrow J/\psi X$ decays, **S. Akar**, Implications of LHCb measurements and future prospects, Genève, Switzerland, 3-5 Nov 2015

2014

1. Rare $B_{(s)}^0$ dileptonic decays at LHCb, **A. Mordá**, 28ème Rencontres de Physique de La Vallée d’Aoste, La Thuile, Italy, 23 Feb - 1 Mar 2014
2. Latest Results on Rare Decays from LHCb, **J. Serrano**, 28ème Rencontres de Physique de La Vallée d’Aoste, La Thuile, Italy, 23 Feb - 1 Mar 2014
3. On the possibility of measuring $B(B_s \rightarrow \tau\tau)$, **A. Morda**, Flavor of new physics $b \rightarrow s$ transitions, Paris, France, 2-3 Jun 2014
4. Rare dileptonic $B_{(s)}^0 \rightarrow \ell\bar{\ell}$ decays at LHCb, **A. Morda**, 3ème workshop OCEVU, Montpellier, France, 16-17 Jun 2014
5. Branching ratio measurement of $B_{(s)}^0 \rightarrow \mu\mu$ decay at LHCb, **A. Morda**, The 2014 European School of High-Energy Physics, Amsterdam, Netherlands, 18 Jun - 1 Jul 2014
6. LHC Searches in Rare Heavy-Flavor Decays, **G. Mancinelli**, Astroparticle Physics - A Joint TeVPA/ IDM Conference, Amsterdam, Netherlands, 23-28 Jun 2014
7. On the possibility of measuring $B(B_s \rightarrow \tau\tau)$ at LHCb, **A. Morda**, Flavor of new physics $b \rightarrow s$ transitions, Paris, France, 2-3 Jul 2014

8. The LHCb Upgrade, **S. Akar**, 11th International Conference on Hyperons, Charm and Beauty Hadrons, Birmingham, United Kingdom, 21-26 Jul 2014
9. CP violating phase ϕ_s measurement and penguin pollution in ϕ_s at LHCb, **W. Kanso**, 8th International Workshop on the CKM Unitarity Triangle, Univ. Tech., Austria, 08-12 Sep 2014
10. LHCb status and prospects, **O. Leroy**, Miami 2014 : A topical conference on elementary particles, astrophysics, and cosmology, Fort Lauderdale, United States, 17-23 Dec 2014

2013

1. Search for the very rare decays $B_{s/d} \rightarrow \mu^+ \mu^-$ at LHCb, **J. Serrano**, Third Workshop on Flavour Physics in the LHC Era: Theoretical and Experimental Views, Valencia, Spain, 4-6 Feb 2013
2. The measurement of the CP-violating phase, ϕ_s , and the penguin contributions in $B_s^0 \rightarrow J/\psi \phi$ at LHCb, **W. Kanso**, LHC France 2013, Annecy, France, 2-6 Apr 2013
3. Experimental report on $B_{(s)}^0 \rightarrow \mu^+ \mu^-$, **M. Perrin-Terrin**, LHC France 2013, Annecy, France, 2-6 Apr 2013
4. Measurement of CP violation in $B_s^0 \rightarrow J/\psi \phi$ at LHCb, **O. Leroy**, LHC France 2013: French Meeting on High Energy Physics at the LHC, Annecy, France, 2-6 Apr 2013
5. The LHCb Upgrade, **R. Le Gac**, Flavor Physics CP Violation, Buzios, Brazil, 19-24 May 2013
6. Rare $B_{s,d}^0$ dileptonic decay, **A. Mordà**, 2nd Labex Workshop OCEVU 2013, Toulouse, France, 11-13 Jun 2013
7. Rare Decays of Heavy Mesons, **G. Mancinelli**, 26th International Symposium on Lepton Photon Interactions at High Energies, San Francisco, United States, 24-29 Jun 2013
8. Saveurs lourdes et recherche de nouvelle physique avec LHCb, **J. Serrano**, 22ème Congrès Général de la SFP, Marseille, France, 1-5 Jul 2013
9. The measurement of the CP-violating phase, ϕ_s , and the penguin contributions in $B_s^0 \rightarrow J/\psi \phi$ at LHCb, **W. Kanso**, 22ème Congrès général de la Société Française de Physique SFP, Marseille, France, 1-5 Jul 2013
10. The LHCb upgrade, **J. Cogan**, EPS-HEP 2013 European Physical Society Conference on High Energy Physics, Stockholm, Sweden, 18-24 Jul 2013
11. Observation of $B_s \rightarrow \mu^+ \mu^-$ at the LHC: LHCb results, **J. Serrano**, CERN-LHC Seminar: Observation of the $B_s \rightarrow \mu^+ \mu^-$ Rare Decay at the LHC, Cern, Switzerland, 6 Aug 2013
12. Rare decays of beauty and charm hadrons at LHCb, **J. Serrano**, 9th Rencontres du Vietnam: Windows on the Universe, Quy Nhon, Vietnam, 11-17 Aug 2013

13. Measurement of ϕ_s at LHCb, **O. Leroy**, Meeting of the American Physical Society Division of Particles and Fields, Santa Cruz, United States, 13-17 Aug 2013
14. Searches for Rare Decays at LHCb, **M. Perrin-Terrin**, Meeting of the American Physical Society Division of Particles and Fields, Santa Cruz, United States, 13-17 Aug 2013
15. Evaluation of 400m, 5Gbit Versatile Link lengths over OM3 and OM4 fibres for the LHCb upgrade, R. Schwemme, J.-P. Cachemiche, N. Neufeld, C. Soos, J.Troska, Twepp 2013, Perugia, Italy, 23-27 Sep 2013
16. Powering large FPGAs - ALTERA, J.P. Cachemiche, R. Réthoré, TWEPP 2013, Perugia, Italy, 23-27 Sep 2013
17. Update on the ATCA/AMC readout cards for LHCb, C. Abellan, **J.-P. Cachemiche**, P.-Y. Duval, F. Hachon, R. Le Gac, F. Réthoré, Topical Workshop on Electronics for Particle Physics, Perugia, Italy, 23-27 Sep 2013

2012

1. ϕ_s and B_s mixing at LHCb, **E. Maurice**, 8th Meeting on B Physics, Genoa, Italy, 6-8 Feb 2012
2. Study of CPV in b and Charm Systems at LHCb, **E. Maurice**, 26ème Rencontres de Physique de La Vallée d'Aoste, La Thuile, Italy, 26 Feb - 3 Mar 2012
3. The LHCb Upgrade, **R. Le Gac**, XX International Workshop on Deep-Inelastic Scattering and Related Subjects, Bonn, Germany, 26-30 Mar 2012
4. Mixing and CP violation, **O. Leroy**, Physics at LHC 2012, Vancouver, Canada, 4-9 Jun 2012
5. Rare decays at LHCb, **C. Adrover Pacheco**, Physics at LHC 2012, Vancouver, Canada, 4-9 Jun 2012
6. $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ searches at LHCb, **C. Adrover Pacheco**, Physics at LHC 2012, Vancouver, Canada, 4-9 Jun 2012
7. Recent results from LHCb, **J. Serrano**, Lattice 2012 - The 30th International Symposium on Lattice Field Theory, Cairns, Australia, 24-29 Jun 2012
8. Searches for very rare decays to purely leptonic final states at LHCb, **M. Perrin-Terrin**, 36th International Conference on High Energy Physics, Melbourne, Australia, 4-11 Jul 2012
9. Rare Decays with LHCb, **G. Mancinelli**, International conference : Beyond The Standard Model of Particle Physics, Quy Nhon, Vietnam, 15-21 Jul 2012
10. xTCA developments for the LHCb Readout, J. P. Cachemiche, P. Y. Duval, F. Hachon, R. Le Gac, F. Réthoré, Topical Workshop on Electronics for Particle Physics 2012, Oxford, United Kingdom, 17-21 Sep 2012

11. Recent developments for the Upgrade of the LHCb readout system, J. P. Cachemiche, P. Y. Duval, F. Hachon, R. Le Gac, F. Réthoré, Topical Workshop on Electronics for Particle Physics, Oxford, United Kingdom, 17-21 Sep 2012

12. LHCb status, **J. Cogan**, LHC days in Split 2012, Split, Croatia, 1-6 Oct 2012

2011

1. Prospects for CP violation in $B_s^0 \rightarrow J/\psi\phi$ from first LHCb data, **O. Leroy**, 25ème Rencontres de Physique de La Vallée d'Aoste, La Thuile, Italy, 27 Feb - 5 Mar 2011
2. Quarkonia studies in LHCb: $\Upsilon(1S)$, Double J/Ψ , $\Psi(2S)$, χ_c , **J. Cogan**, 13th International Conference on B-Physics at Hadron Machines, Amsterdam, Netherlands, 4-8 Apr 2011
3. $b \rightarrow \mu^+\mu^-$ and $b \rightarrow s\mu^+\mu^-$ at LHC, **G. Mancinelli**, Flavor Physics and CP Violation 2011, Maale Hachamisha, Israel, 23-27 May 2011
4. Search for $B_s^0 \rightarrow \mu^+\mu^-$ and $B_d^0 \rightarrow \mu^+\mu^-$, **M. Perrin-Terrin**, Physics at LHC 2011, Perugia, Italy, 6-11 Jun 2011
5. Search for the rare decays $B_{(s)}^0 \rightarrow \mu^+\mu^-$ at LHCb, **J. Serrano**, 2011 Europhysics Conference on High Energy Physics, Grenoble, France, 21-27 Jul 2011

2010

1. Search for New Physics with Rare Heavy Flavour Decays at LHCb, **G. Mancinelli**, 35th International Conference on High Energy Physics, Paris, France, 22-28 Jul 2010
2. LHCb prospects for full energy and beyond (incl. upgrades), **R. Le Gac**, Hadron Collider Physics Symposium 2010, Toronto, Canada, 23-27 Aug 2010
3. Operation and Performance of the LHCb experiment, **F. Alessio**, Workshop on Discovery Physics at the LHC, Mpumalanga, South Africa, 5-10 Dec 2010
4. Prospects for CP violation in $B_s^0 \rightarrow J/\psi\phi$ from first LHCb data, **O. Leroy**, Symposium on Prospects in the Physics of Discrete Symmetries, Rome, Italy, 6-11 Dec 2010

rapport

2017

1. Upgrade trigger: Biannual performance update, R. Aaij, J. Albrecht, B. Couturier, S. Esen, M. De Cian, J. A. De Vries, A. Dziurda, C. Fitzpatrick, M. Fontana, L. Grillo, C. Hasse, C. R. Jones, R. Le Gac, R. Matev, N. Neufeld, T. Nikodem, F. Polci, L. Del Buono, R. Quagliani, R. Schwemmer,

P. Seyfert, S. Stahl, T. Szumlak, M. A. Vesterinen, J. Wanczyk, . Williams, H. Yin, E. A. Zacharjusz, CERN-LHCb-PUB-2017-005, LHCb-PUB-2017-005

2. Search for the decays $B_s^0 \rightarrow t^+t$ and $B^0 \rightarrow t^+t$, J. Cogan, K. De Bruyn, G. Mancinelli, J. Serrano, LHCb- ANA-2017-007
3. Expression of Interest for a Phase-II LHCb Upgrade: Opportunities in flavour physics, and beyond, in the HL-LHC era, R. Aaij, B. Adeva, M. Adinolfi, Z. Ajaltouni, S. Akar, J. Albrecht, F. Alessio, M. Alexander, S. Ali, G. Alkhazov, P. Alvarez Cartelle, A.-A. Alves Jr, S. Amato, S. Amerio, Y. Amhis, L. An, L. Anderlini, G. Andreassi, M. Andreotti, J. Andrews, M. Anelli, R. Appleby, F. Archilli, D'Argent, Philippe, J. Arnau Romeu, A. Artamonov, M. Artuso, E. Aslanides, G. Auriemma, M. Baalouch, I. Babuschkin, S. Bachmann, J. Back, A. Badalov, C. Baesso, S. Baker, V. Balagura, W. Baldini, A. Balla, A. Baranov, R. Barlow, C. Barschel, S. Barsuk, W. Barter, F. Baryshnikov, M. Baszczyk, V. Batozskaya, B. Bat-sukh, V. Battista, A. Bay, L. Beaucourt, J. Beddow, F. Bedeschi, I. Bediaga, A. Beiter, L. Bel, V. Bellee, N. Belloli, K. Belous, I. Belyaev, E. Ben-Haim, G. Bencivenni, S. Benson, S. Beranek, A. Berezhnoy, R. Bernet, A. Bertolin, C. Betancourt, F. Betti, M.-O. Bettler, M. Van Beuzekom, I. Bezshyiko, S. Bifani, P. Billoir, A. Birnkraut, A. Bitadze, A. Bizzeti, T. Blake, F. Blanc, J. Blouw, S. Blusk, V. Bocci, T. Boettcher, A. Bondar, N. Bondar, W. Bonivento, I. Bordyuzhin, A. Borgheresi, S. Borghi, M. Borisyak, M. Bor-sato, F. Bossu, M. Boubdir, T. Bowcock, E.-E. Bowen, C. Bozzi, S. Braun, T. Britton, J. Brodzicka, D. Brundu, E. Buchanan, C. Burr, A. Bursche, J. Buytaert, S. Cadeddu, R. Calabrese, M. Calvi, M. Calvo Gomez, A. Camboni, P. Campana, D.-H. Campora Perez, L. Capriotti, A. Carbone, G. Carboni, R. Cardinale, A. Cardini, M. Carletti, P. Carniti, L. Carson, K. Carvalho Akiba, G. Casse, L. Cassina, L. Castillo Garcia, L. Casu, M. Cat-taneo, G. Cavallero, R. Cenci, D. Chamont, M. Charles, P. Charpentier, G. Chatzikonstantinidis, M. Chefdeville, S. Chen, S.-F. Cheung, V. Chobanova, M. Chrzaszcz, A. Chubykin, P. Ciambrone, X. Cid Vidal, G. Ciezarek, M. Citterio, P. Clarke, M. Clemencic, H. Cliff, J. Closier, V. Coco, S. Coelli, J. Cogan, E. Cogneras, V. Cogoni, L. Cojocariu, P. Collins, A. Comerma-Montells, A. Contu, A. Cook, G. Coombs, S. Coquereau, G. Corti, M. Corvo, C.-M. Costa Sobral, B. Couturier, G. Cowan, D.-C. Craik, A. Crocombe, M.-M. Cruz Torres, S. Cunliffe, R. Currie, D'Ambrosio, Carmelo, F. Da Cunha Marinho, Dall'Occo, Elena, J. Dalseno, P. David, A. Davis, K. De Bruyn, S. De Capua, M. De Cian, J. De Miranda, L. De Paula, M. De Sero, P. De Si-mone, C.-T. Dean, D. Decamp, M. Deckenhoff, L. Del Buono, M. Demmer, A. Dendek, D. Derkach, O. Deschamps, F. Dettori, B. Dey, A. Di Canto, P. Di Nezza, H. Dijkstra, F. Dordei, M. Dorigo, Dosil SuÁRez, Alvaro, A. Dovbnya, K. Dreimanis, L. Dufour, G. Dujany, K. Dungs, P. Durante, R. Dzhelyadin, A. Dziurda, A. Dzyuba, DÉLÉAge, Nicolas, S. Easo, M. Ebert, U. Egede, V. Egorychev, S. Eidelman, S. Eisenhardt, U. Eitschberger, R. Ekelhof, L. Eklund, S. Ely, S. Esen, H.-M. Evans, T. Evans, A. Falabella, N. Farley, S. Farry, R. Fay, D. Fazzini, G. Felici, D. Ferguson, G. Fernan-dez, A. Fernandez Prieto, F. Ferrari, F. Ferreira Rodrigues, M. Ferro-Luzzi, S. Filippov, R.-A. Fini, M. Fiore, M. Fiorini, M. Firlej, C. Fitzpatrick, T. Fiutowski, F. Fleuret, K. Fohl, M. Fontana, F. Fontanelli, D.-C. Forshaw,

R. Forty, V. Franco Lima, M. Frank, C. Frei, P. Fresch, J. Fu, W. Funk, E. Furfaro, FÄRber, Christian, A. Gallas Torreira, D. Galli, S. Gallorini, S. Gambetta, M. Gandelman, P. Gandini, Y. Gao, L.-M. Garcia Martin, GarcÍA PardiÑAs, JuliÁN, J. Garra Tico, L. Garrido, P.-J. Garsed, D. Gascon, C. Gaspar, M. Gatta, L. Gavardi, G. Gazzoni, D. Gerick, E. Gersabeck, M. Gersabeck, T. Gershon, P. Ghez, GianÌ, Sebastiana, V. Gibson, Girard, Olivier GÖRan, L.-H. Giubega, K. Gizdov, V. Gligorov, D. Golubkov, A. Golutvin, A. Gomes, I.-V. Gorelov, C. Gotti, E. Govorkova, R. Graciani Diaz, L.-A. Granado Cardoso, GraugÉS, Eugeni, E. Graverini, G. Graziani, A. Grecu, R. Greim, P. Griffith, L. Grillo, B.-R. Gruberg Cazon, GrÜNberg, Oliver, E. Gushchin, Y. Guz, T. Gys, GÖBel, Carla, T. Hadavizadeh, C. Hadjivasiliou, G. Haefeli, C. Haen, S. Haines, B. Hamilton, X. Han, S. Hansmann-Menzemer, N. Harnew, S. Harnew, J. Harrison, M. Hatch, J. He, T. Head, A. Heister, K. Hennessy, P. Henrard, L. Henry, E. Van Herwijnen, M. Heß, Hicheur, AdlÈNe, D. Hill, C. Hombach, P.-H. Hopchev, Z. Huard, W. Hulsbergen, T. Humair, M. Hushchyn, D. Hutchcroft, M. Idzik, P. Ilten, R. Jacobsson, P. Jalocha, E. Jans, A. Jawahery, F. Jiang, M. John, D. Johnson, C. Jones, C. Joram, B. Jost, N. Jurik, S. Kandybei, M. Karacson, J.-M. Kariuki, S. Karodia, M. Kecke, M. Kelsey, M. Kenzie, T. Ketel, E. Khairullin, B. Khanji, C. Khurewathanakul, T. Kirn, S. Klaver, K. Klimaszewski, T. Klimkovich, S. Koliiev, M. Kolpin, I. Komarov, P. Koppenburg, A. Kosmyntseva, S. Kotriakhova, A. Kozachuk, M. Kozeiha, L. Kravchuk, K. Kreplin, M. Kreps, P. Krokovny, F. Kruse, W. Krzemien, W. Kucewicz, M. Kucharczyk, V. Kudryavtsev, A.-K. Kuonen, K. Kurek, T. Kvaratskheliya, D. Lacarrere, G. Lafferty, A. Lai, C. Langenbruch, T. Latham, C. Lazzeroni, R. Le Gac, J. Van Leerdam, A. Leflat, LefranÇois, Jacques, LefÈVre, Regis, F. Lemaitre, E. Lemos Cid, O. Leroy, T. Lesiak, B. Leverington, T. Li, Y. Li, Z. Li, T. Likhomanenko, R. Lindner, F. Lionetto, X. Liu, D. Loh, A. Loi, I. Longstaff, J. Lopes, D. Lucchesi, M. Lucio Martinez, H. Luo, A. Lupato, E. Luppi, O. Lupton, A. Lusiani, X.-R. Lyu, F. Machefert, F. Maciuc, O. Maev, K. Maguire, S. Malde, A. Malinin, T. Maltsev, G. Manca, G. Mancinelli, P.-M. Manning, J. Maratas, Marchand, Jean FranÇois, U. Marconi, C. Marin Benito, M. Marinangeli, P. Marino, Marks, JÖRg, D. Marras, G. Martellotti, M. Martin, M. Martinelli, D. Martinez Santos, F. Martinez Vidal, D. Martins Tostes, L.-M. Massacrier, Massafferri, AndrÉ, R. Matev, A. Mathad, Z. Mathe, C. Matteuzzi, A. Mauri, E. Maurice, B. Maurin, A. Mazurov, M. Mccann, A. Mcnab, R. McNulty, B. Meadows, F. Meier, D. Melnychuk, M. Merk, A. Merli, E. Michielin, D.-A. Milanes, M.-N. Minard, D.-S. Mitzel, A. Mogini, J. Molina Rodriguez, I.-A. Monroy, S. Monteil, M. Morandin, P. Morawski, M.-J. Morello, O. Morgunova, J. Moron, A.-B. Morris, R. Mountain, F. Muheim, M. Mulder, M. Mussini, MÜLLer, Dominik, MÜLLer, Janine, MÜLLer, Katharina, MÜLLer, Vanessa, P. Naik, T. Nakada, R. Nandakumar, A. Nandi, I. Nasteva, M. Needham, N. Neri, S. Neubert, N. Neufeld, M. Neuner, T.-D. Nguyen, C. Nguyen-Mau, S. Nieswand, R. Niet, N. Nikitin, T. Nikodem, A. Nogay, A. Novoselov, O’Hanlon, Daniel Patrick, A. Oblakowska-Mucha, V. Obraztsov, S. Ogilvy, R. Oldeman, G. Onderwater, J.-M. Otalora Goicochea, A. Otto, P. Owen, M.-A. Oyanguren, P.-R. Pais, A. Palano, M. Palutan, A. Papanestis, M. Pappagallo, L. Pappalardo, C. Pappenheimer, W. Parker, C. Parkes, G. Passaleva, A. Pastore, M. Patel, C. Patrignani, A. Pearce, A. Pellegrino, G.

Penso, M. Pepe Altarelli, S. Perazzini, P. Perret, L. Pescatore, K. Petridis, A. Petrolini, A. Petrov, M. Petruzzo, E. Picatoste Olloqui, B. Pietrzyk, M. Pikies, D. Pinci, A. Pistone, A. Piucci, V.-M. Placinta, S. Playfer, M. Plo Casasus, T. Poikela, F. Polci, M. Poli Lener, A. Poluektov, I. Polyakov, E. Polycarpo, G.-J. Pomery, S. Ponce, A. Popov, D. Popov, B. Popovici, S. Poslavskii, Potterat, CÉDric, E. Price, J. Prisciandaro, C. Prouve, V. Pugatch, A. Puig Navarro, G. Punzi, C. Qian, W. Qian, R. Quagliani, B. Rachwal, J. Rademacker, M. Rama, M. Ramos Pernas, M. Rangel, I. Raniuk, F. Ratnikov, G. Raven, F. Redi, S. Reichert, A. Dos Reis, C. Remon Alepuz, V. Renaudin, S. Ricciardi, S. Richards, M. Rihl, K. Rinnert, V. Rives Molina, P. Robbe, A.-B. Rodrigues, E. Rodrigues, J.-A. Rodriguez Lopez, P. Rodriguez Perez, A. Rogozhnikov, S. Roiser, A.-P. Rollings, V. Romanovskiy, A. Romero Vidal, J.-W. Ronayne, M. Rotondo, M.-S. Rudolph, T. Ruf, P. Ruiz Valls, J.-J. Saborido Silva, E. Sadykhov, N. Sagidova, B. Saitta, V. Salustino Guimaraes, D. Sanchez Gonzalo, C. Sanchez Mayordomo, B. Sanmartin Sedes, R. Santacesaria, C. Santamarina Rios, M. Santimaria, E. Santovetti, A. Saputi, A. Sarti, C. Satriano, A. Satta, D.-M. Saunders, D. Savrina, S. Schael, M. Schellenberg, M. Schiller, H. Schindler, M. Schlupp, M. Schmelling, T. Schmelzer, B. Schmidt, O. Schneider, A. Schopper, H. Schreiner, K. Schubert, M. Schubiger, M.-H. Schune, R. Schwemmer, B. Sciascia, A. Sciubba, A. Semennikov, A. Sergi, N. Serra, J. Serrano, L. Sestini, P. Seyfert, M. Shapkin, I. Shapoval, Y. Shcheglov, T. Shears, L. Shekhtman, V. Shevchenko, B.-G. Siddi, R. Silva Coutinho, L.-G. Silva De Oliveira, G. Simi, S. Simone, M. Sirendi, N. Skidmore, T. Skwarnicki, E. Smith, I.-T. Smith, J. Smith, M. Smith, L. Soares Lavoura, M. Sokoloff, P. Soler, B. Souza De Paula, B. Spaan, P. Spradlin, S. Sridharan, F. Stagni, M. Stahl, S. Stahl, P. Stefkova, S. Stefkova, O. Steinkamp, S. Stemmler, O. Stenyakin, H. Stevens, S. Stoica, S. Stone, B. Storaci, S. Stracka, M.-E. Stramaglia, M. Straticiu, U. Straumann, L. Sun, W. Sutcliffe, K. Swien-tek, V. Syropoulos, M. Szczekowski, T. Szumlak, T'Jampens, Stephane, A. Tayduganov, T. Tekampe, G. Tellarini, F. Teubert, E. Thomas, J. Van Tilburg, M.-J. Tilley, V. Tisserand, M. Tobin, S. Tolk, L. Tomassetti, D. Tonelli, S. Topp-Joergensen, F. Toriello, R. Tourinho Jadallah Aoude, E. Tournefier, S. Tourneur, K. Trabelsi, M. Traill, Tran, Minh TÂM, M. Tresch, A. Trisovic, A. Tsaregorodtsev, P. Tsopelas, A. Tully, N. Tuning, A. Ukleja, A. Ustyuzhanin, U. Uwer, C. Vacca, V. Vagnoni, A. Valassi, S. Valat, G. Valenti, M. Van Dijk, R. Vazquez Gomez, P. Vazquez Regueiro, S. Vecchi, M. Van Veghel, J. Velthuis, M. Veltri, G. Veneziano, A. Venkateswaran, T.-A. Verlage, M. Vernet, M. Vesterinen, J.-V. Viana Barbosa, B. Viaud, D. Vieira, M. Vieites Diaz, H. Viemann, X. Vilasis-Cardona, M. Vitti, V. Volkov, A. Vollhardt, B. Voneki, A. Vorobyev, V. Vorobyev, C. Voß, J. De Vries, VÁZquez Sierra, Carlos, R. Waldi, C. Wallace, R. Wallace, J. Walsh, J. Wang, D. Ward, H.-M. Wark, N. Watson, D. Websdale, A. Weiden, M. Whitehead, J. Wicht, G. Wilkinson, M. Wilkinson, Williams, Mark Richard James, M. Williams, M. Williams, T. Williams, F. Wilson, J. Wimberley, M.-A. Winn, J. Wishahi, W. Wislicki, M. Witek, G. Wormser, S. Wotton, K. Wraight, K. Wyllie, Y. Xie, Z. Xing, Z. Xu, Z. Yang, Z. Yang, Y. Yao, H. Yin, J. Yu, X. Yuan, O. Yushchenko, K.-A. Zarebski, M. Zavertyaev, L. Zhang, Y. Zhang, A. Zhelezov, Y. Zheng, X. Zhu, V. Zhukov, S. Zucchelli, CERN-LHCC-2017-003

2016

1. $B_s^0 \rightarrow \eta_c h^+ h$ decays, S. Akar, J. He, O. Leroy, M. Martin, R. Cardinale, C. Patrignani, A. Pistone, CERN-LHCb-ANA-2016-056
2. Measurement of the CP violating asymmetry a_{sl}^s , M. Artuso, K. De Bruyn, L. Dufour, M. Gersabeck, C. Hadjivasiliou, M.J. Kelsey, S. Klaver, C. Parkes, M. Stahl, S. Stone, LHCb-ANA-2016-004
3. Search for the $B^0 \rightarrow \mu^+ \mu$ decay and measurement of the $B_s^0 \rightarrow \mu^+ \mu$ branching fraction and effective lifetime, F. Archilli, M.O. Bettler, X. Cid Vidal, H.V. Cliff, F. Dettori, H. M. Evans, V. Gibson, G. Mancinelli, D. Martinez Santos, A. Morda, LHCb-ANA-2016-038
4. Search for $B_s^0 \rightarrow t^+ t$, J. Cogan, K. De Bruyn, G. Mancinelli, A. Morda, J. Serrano, LHCb-ANA-2016-047

2015

1. Till Moritz Karbach, Scientific Legacy, R. Aaij, B. Adeva, M. Adinolfi, A. Affolder, Z. Ajaltouni, S. Akar, J. Albrecht, F. Alessio, M. Alexander, S. Ali, G. Alkhazov, P. Alvarez Cartelle, A. A. Alves Jr, S. Amato, S. Amerio, Y. Amhis, L. An, L. Anderlini, J. Anderson, G. Andreassi, M. Andreotti, J. Andrews, R. Appleby, O. Aquines Gutierrez, F. Archilli, P. D'Argent, A. Artamonov, M. Artuso, E. Aslanides, G. Auriemma, M. Baalouch, S. Bachmann, J. Back, A. Badalov, C. Baesso, W. Baldini, R. Barlow, C. Barschel, S. Barsuk, W. Barter, V. Batozskaya, V. Battista, A. Bay, L. Beaucourt, J. Beddow, F. Bedeschi, I. Bediaga, L. Bel, V. Bellee, I. Belyaev, E. Ben-Haim, G. Bencivenni, S. Benson, J. Benton, A. Bereznoy, R. Bernet, A. Bertolin, M. Bettler, M. Van Beuzekom, A. Bien, S. Bifani, T. Bird, A. Birnkraut, A. Bizzeti, T. Blake, F. Blanc, J. Blouw, S. Blusk, V. Bocci, A. Bondar, N. Bondar, W. Bonivento, S. Borghi, M. Borsato, T. Bowcock, E. E. Bowen, C. Bozzi, S. Braun, D. Brett, M. Britsch, T. Britton, J. Brodzicka, N. Brook, A. Bursche, J. Buytaert, S. Cadeddu, R. Calabrese, M. Calvi, M. Calvo Gomez, P. Campana, D. Campora Perez, L. Capriotti, A. Carbone, G. Carboni, R. Cardinale, A. Cardini, P. Carniti, L. Carson, K. Carvalho Akiba, G. Casse, L. Cassina, L. Castillo Garcia, M. Cattaneo, C. Cauet, G. Cavallero, R. Cenci, M. Charles, P. Charpentier, M. Chefdeville, S. Chen, S. Cheung, N. Chiapolini, M. Chrzaszcz, X. Cid Vidal, G. Ciezarek, P. Clarke, M. Clemencic, H. Cliff, J. Closier, V. Coco, J. Cogan, E. Cogneras, V. Cogoni, L. Cojocariu, G. Collazuol, P. Collins, A. Comerma-Montells, A. Contu, A. Cook, M. Coombes, S. Coquereau, G. Corti, M. Corvo, B. Couturier, G. Cowan, D. C. Craik, A. Crocombe, M. M. Cruz Torres, S. Cunliffe, R. Currie, C. D'Ambrosio, J. Dalseno, P. David, A. Davis, K. De Bruyn, S. De Capua, M. De Cian, J. De Miranda, L. De Paula, W. De Silva, P. De Simone, C. T. Dean, D. Decamp, M. Deckenhoff, L. Del Buono, N. Déleage, M. Demmer, D. Derkach, O. Deschamps, F. Dettori, B. Dey, A. Di Canto, F. Di Ruscio, H. Dijkstra, S. Donleavy, F. Dordei, M. Dorigo, A. Dosil Suárez, D. Dossett, A. Dovbnya, K. Dreimanis, L. Dufour, G. Dujany, F. Dupertuis, P. Durante, R. Dzhelyadin, A. Dziurda, A. Dzyuba, S. Easo, U. Egede, V. Egorychev, S. Eidelman, S. Eisenhardt, U. Eitschberger, R.

Ekelhof, L. Eklund, I. El Rifai, C. Elsasser, S. Ely, S. Esen, H. M. Evans, T. Evans, A. Falabella, C. Färber, C. Farinelli, N. Farley, S. Farry, R. Fay, D. Ferguson, V. Fernandez Albor, F. Ferrari, F. Ferreira Rodrigues, M. Ferro-Luzzi, S. Filippov, M. Fiore, M. Fiorini, M. Firlej, C. Fitzpatrick, T. Fiutowski, K. Fohl, P. Fol, M. Fontana, F. Fontanelli, R. Forty, O. Francisco, M. Frank, C. Frei, M. Frosini, J. Fu, E. Furfaro, A. Gallas Torreira, D. Galli, S. Gallorini, S. Gambetta, M. Gandelman, P. Gandini, Y. Gao, J. García Pardiñas, J. Garra Tico, L. Garrido, D. Gascon, C. Gaspar, U. Gastaldi, R. Gauld, L. Gavardi, G. Gazzoni, A. Geraci, D. Gerick, E. Gersabeck, M. Gersabeck, T. Gershon, P. Ghez, A. Gianelle, S. Gianì, V. Gibson, O. G. Girard, L. Giubega, V. Gligorov, C. Göbel, D. Golubkov, A. Golutvin, A. Gomes, C. Gotti, M. Grabalosa Gándara, R. Graciani Diaz, L. A. Granado Cardoso, E. Graugés, E. Graverini, G. Graziani, A. Grecu, E. Greening, S. Gregson, P. Griffith, L. Grillo, O. Grünberg, B. Gui, E. Gushchin, Y. Guz, T. Gys, T. Hadavizadeh, C. Hadjivasiliou, G. Haefeli, C. Haen, S. Haines, S. Hall, B. Hamilton, X. Han, S. Hansmann-Menzemer, N. Harnew, S. Harnew, J. Harrison, J. He, T. Head, V. Heijne, K. Hennessy, P. Henrard, L. Henry, J. A. Hernando Morata, E. Van Herwijnen, M. Heß, A. Hicheur, D. Hill, M. Hoballah, C. Hombach, W. Hulsbergen, T. Humair, N. Hussain, D. Hutchcroft, D. Hynds, M. Idzik, P. Ilten, R. Jacobsson, A. Jaeger, P. Jalocha, E. Jans, A. Jawahery, F. Jing, M. John, D. Johnson, C. Jones, C. Joram, B. Jost, N. Jurik, S. Kandybei, W. Kanso, M. Karacson, S. Karodia, M. Kelsey, I. Kenyon, M. Kenzie, T. Ketel, B. Khanji, C. Khurewathanakul, S. Klaver, K. Klimaszewski, O. Kochebina, M. Kolpin, I. Komarov, R. Koopman, P. Koppenburg, M. Korolev, M. Kozeiha, L. Kravchuk, K. Kreplin, M. Krepis, G. Krocker, P. Krokovny, F. Kruse, W. Kucewicz, M. Kucharczyk, V. Kudryavtsev, A. K. Kuonen, K. Kurek, T. Kvaratskheliya, D. Lacarrere, G. Lafferty, A. Lai, D. Lambert, R. W. Lambert, G. Lanfranchi, C. Langenbruch, B. Langhans, T. Latham, C. Lazzeroni, R. Le Gac, J. Van Leerdam, J. Lees, R. Lefèvre, A. Leflat, J. Lefrançois, O. Leroy, T. Lesiak, B. Leverington, Y. Li, T. Likhomanenko, M. Liles, R. Lindner, C. Linn, F. Lionetto, B. Liu, X. Liu, D. Loh, S. Lohn, I. Longstaff, J. Lopes, P. Lowdon, D. Lucchesi, H. Luo, A. Lupato, E. Luppi, O. Lupton, F. Machefert, F. Maciuc, O. Maev, K. Maguire, S. Malde, A. Malinin, G. Manca, G. Mancinelli, P. M. Manning, A. Mapelli, J. Maratas, J. F. Marchand, U. Marconi, C. Marin Benito, P. Marino, R. Märki, J. Marks, G. Martellotti, M. Martin, M. Martinelli, D. Martinez Santos, F. Martinez Vidal, D. Martins Tostes, A. Massafferri, R. Matev, A. Mathad, Z. Mathe, C. Matteuzzi, A. Mauri, B. Maurin, A. Mazurov, M. Mccann, J. Mccarthy, A. McNab, R. McNulty, B. Meadows, F. Meier, M. Meissner, D. Melnychuk, M. Merk, D. A. Milanes, M. Minard, D. S. Mitzel, J. Molina Rodriguez, S. Monteil, M. Morandin, P. Morawski, A. Mordà, M. J. Morello, J. Moron, A. B. Morris, R. Mountain, F. Muheim, J. Müller, K. Müller, V. Müller, M. Mussini, B. Muster, P. Naik, T. Nakada, R. Nandakumar, A. Nandi, I. Nasteva, M. Needham, N. Neri, S. Neubert, N. Neufeld, M. Neuner, A. D. Nguyen, T. Nguyen, C. Nguyen-Mau, V. Niess, R. Niet, N. Nikitin, T. Nikodem, D. Ninci, A. Novoselov, D. P. O’Hanlon, A. Oblakowska-Mucha, V. Obraztsov, S. Ogilvy, O. Okhrimenko, R. Oldeman, G. Onderwater, B. Osorio Rodrigues, J. M. Otalora Goicochea, A. Otto, P. Owen, M. A. Oyanguren, A. Palano, F. Palombo, M. Palutan, J. Panman, A. Papanestis, M. Pappagallo, L. Pappalardo, C. Pappenheimer, C. Parkes,

G. Passaleva, G. Patel, M. Patel, C. Patrignani, A. Pearce, A. Pellegrino, G. Penso, M. Pepe Altarelli, S. Perazzini, P. Perret, L. Pescatore, K. Petridis, A. Petrolini, M. Petruzzo, E. Picatoste Olloqui, B. Pietrzyk, T. Pilař, D. Pinci, A. Pistone, A. Piucci, S. Playfer, M. Plo Casasus, T. Poikela, F. Polci, A. Poluektov, I. Polyakov, E. Polycarpo, A. Popov, D. Popov, B. Popovici, C. Potterat, E. Price, J. D. Price, J. Prisciandaro, A. Pritchard, C. Prouve, V. Pugatch, A. Puig Navarro, G. Punzi, W. Qian, R. Quagliani, B. Rachwal, J. Rademacker, M. Rama, M. Rangel, I. Raniuk, N. Rauschmayr, G. Raven, F. Redi, S. Reichert, M. Reid, A. Dos Reis, S. Ricciardi, S. Richards, M. Rihl, K. Rinnert, V. Rives Molina, P. Robbe, A. B. Rodrigues, E. Rodrigues, J. A. Rodriguez Lopez, P. Rodriguez Perez, S. Roiser, V. Romanovsky, A. Romero Vidal, J. W. Ronayne, M. Rotondo, J. Rouvinet, T. Ruf, H. Ruiz, P. Ruiz Valls, J. J. Saborido Silva, N. Sagidova, P. Sail, B. Saitta, V. Salustino Guimaraes, C. Sanchez Mayordomo, B. Sanmartin Sedes, R. Santacesaria, C. Santamarina Rios, M. Santimaria, E. Santovetti, A. Sarti, C. Satriano, A. Satta, D. M. Saunders, D. Savrina, M. Schiller, H. Schindler, M. Schlupp, M. Schmelling, T. Schmelzer, B. Schmidt, O. Schneider, A. Schopper, M. Schubiger, M. H. Schune, R. Schwemmer, B. Sciascia, A. Sciubba, A. Semennikov, N. Serra, J. Serrano, L. Sestini, P. Seyfert, M. Shapkin, I. Shapoval, Y. Shcheglov, T. Shears, L. Shekhtman, V. Shevchenko, A. Shires, R. Silva Coutinho, G. Simi, M. Sirendi, N. Skidmore, I. Skillicorn, T. Skwarnicki, E. Smith, E. Smith, I. T. Smith, J. Smith, M. Smith, H. Snoek, M. Sokoloff, P. Soler, F. Soomro, D. Souza, B. Souza De Paula, B. Spaan, P. Spradlin, S. Sridharan, F. Stagni, M. Stahl, S. Stahl, O. Steinkamp, O. Stenyakin, C. F. Sterpka, S. Stevenson, S. Stoica, S. Stone, B. Storaci, S. Stracka, M. Straticiu, U. Straumann, L. Sun, W. Sutcliffe, K. Swientek, S. Swientek, V. Syropoulos, M. Szczekowski, P. Szczypka, T. Szumlak, S. T’Jampens, T. Tekampe, M. Teklishyn, G. Tellarini, F. Teubert, C. Thomas, E. Thomas, J. Van Tilburg, V. Tisserand, M. Tobin, J. Todd, S. Tolk, L. Tomassetti, D. Tonelli, S. Topp- Joergensen, N. Torr, E. Tournier, S. Tournear, K. Trabelsi, M. T. Tran, M. Tresch, A. Trisovic, A. Tsaregorodtsev, P. Tsopelas, N. Tuning, A. Ukleja, A. Ustyuzhanin, U. Uwer, C. Vacca, V. Vagnoni, G. Valenti, A. Vallier, R. Vazquez Gomez, P. Vazquez Regueiro, C. Vazquez Sierra, S. Vecchi, J. Velthuis, M. Veltri, G. Veneziano, M. Vesterinen, B. Viaud, D. Vieira, M. Vieites Diaz, X. Vilasis-Cardona, A. Vollhardt, D. Volyanskyy, D. Voong, A. Vorobyev, V. Vorobyev, C. Voß, J. De Vries, R. Waldi, C. Wallace, R. Wallace, J. Walsh, S. Wandernoth, J. Wang, D. Ward, N. Watson, D. Websdale, A. Weiden, M. Whitehead, D. Wiedner, G. Wilkinson, M. Wilkinson, M. R. Williams, M. Williams, M. Williams, T. Williams, F. Wilson, J. Wimberley, J. Wishahi, W. Wislicki, M. Witek, G. Wormser, S. Wotton, S. Wright, K. Wyllie, Y. Xie, Z. Xu, Z. Yang, J. Yu, X. Yuan, O. Yushchenko, M. Zangoli, M. Zavertyaev, L. Zhang, Y. Zhang, A. Zhelezov, A. Zhokhov, L. Zhong, CERN-LHCb- PUB-2015-010, LHCb-PUB-2015-010

2. Tagged time-dependent analysis of $B_s^0 \rightarrow J/\psi K^+ K$ and $B_s^0 \rightarrow J/\psi \pi^+ \pi$ decays with $1.0 fb^{-1}$, R. Aadj, Y. Amhis, M. Calvi, P. Clarke, G. Cowan, R. Currie, F. Dordei, F. Dupertuis, D. van Eijk, D. Ferguson, M. Grabalosa, S. Hansmann-Menzemer, W. Hulsbergen, G. Krocker, J. van Leerdam, O. Leroy, C. Linn, E. Maurice, T. Nikodem, D. Martinez Santos, F. Muheim, M. Needham, G. Raven, S. Stone, U. Uwer, S. Vecchi, Y. Xie, L.

Zhang ,

3. Measurement of CP violation and polarization fractions in $B_s^0 \rightarrow J/\psi \bar{K}^{*0}$ (892) decays with $3 fb^{-1}$, D. Martinez Santos, S. Akar, P. Alvarez Cartelle, G ; Chatzikonstantinidis, A. Dosil Suarez, J. Garcia Pardinias, W. Kanso, M. Kozyulin, O. Leroy, J.- J. Saborido Silva, V. Syropoulos, C. Vasquez Sierra,

2014

1. Évolution de la contribution française à l'upgrade de LHCb, Z. Ajaltouni, S. Akar, Y. Amhis, E. Aslanides, M. Baalouch, S. Barsuk, L. Beaucourt, C. Beigbeder- Beau, E. Ben-Haim, J. Bonnard, M. Borsato, T. Cacérés, J.-P. Cachemiche, S. Cap, H. Chanal, D. Charlet, M. Charles, M. Chefdeville, J. Cogan, E. Cogneras, S. Coquereau, C. Crozatier, D. Decamp, L. Del Buono, N. Déleage, O. Deschamps, C. Drancourt, O. Duarte, P.-Y. Duval, I. El Rifaï, L. Fournier, C. Gasq, Ph. Ghez, M. Grabalosa, F. Hachon, P. Henrard, L. Henry, M. Hoballah, C. Insa, M. Jevaud, W. Kanso, O. Kochebina, O. Le Dortz, J.-P. Lees, R. Lefèvre, J. Lefrançois, R. Le Gac, O. Leroy, B. Lieunard, F. Machefert, M. Magne, G. Mancinelli, J.-M. Maratas, J.-F. Marchand, M.-L. Mercier, D. Milanes, M.-N. Minard, S. Monteil, A. Mordà, V. Niess, C. Pailier, P. Perret, B. Pietrzyk, N. Pillet, F. Polci, W. Qian, F. Rethore, P. Robbe, M.-H. Schune, J. Serrano, M. Taurigna, S. M. Teklishyn, T'Jampens, V. Tisserand, E. Tournefier, A. Tsaregorodtsev, A. Valier, R. Vandaele, B. Viaud, G. Vouters, G. Wormser, F. Yengui 2014, IN2P3-00943386
2. Estimation of the TPU cost, J.-P. Cachemiche, B. Jost, R. Le Gac, N. Neufeld, EDMS 1360078
3. The LHCb readout for the Run 3, S. Akar, F. Alessio, I. d'Antone, G. Balbi, J.-P. Cachemiche, D. Campora, J. Cogan, C. Drancourt, P. Durante, I. Lax, R. Le Gac, U. Marconi, N. Neufeld, P. Robbe, L. Roy, R. Schwemmer, S. T'Jampens, G. Vouters, K. Wyllie, EDMS 1357418
4. LHCb Tracker Upgrade Technical Design Report, LHCb Collaboration, CERN-LHCC-2014-001, LHCB-TDR-015
5. Review Document: Low Level Trigger (LLT), S. Akar, J. Cachemiche, H. Chanal, J. Cogan, C. Drancourt, R. Lefèvre, R. Le Gac, N. Neufeld, P. Robbe, M. Vesterinen, CERN-LHCb-PUB-2014-037, LHCB-PUB-2014-037
6. LHCb Trigger and Online Upgrade Technical Design Report, LHCb Collaboration, CERN-LHCC-2014-016, LHCB-TDR-016
7. Reply to questions from the LHCC referees to the LHCb Trigger and Online upgrade TDR, LHCb Collaboration, LHCB- INT-2014-33
8. Flavour tagged time-dependent angular analysis of $B_s^0 \rightarrow J/\psi K^+ K^-$ decays in the low $K^+ K^-$ mass range, R. Aaij, P. Clarke, G. Cowan, R. Currie, F. Dordei, M. Dorigo, F. Dupertuis, S. Esen, D. Ferguson, S. Hansmann-Menzemer, W. Kanso, R.W. Lambert, O. Leroy, C. Linn, D. Martinez Santos, F. Muheim, T. Nikodem, G. Raven, V. Syropoulos, S. Vecchi, Y. Xie ,

9. Averages of b -hadron, c -hadron, and τ -lepton properties as of summer 2014, Y. Amhis, S. Banerjee, E. Ben-Haim, S. Blyth, A. Bozek, C. Bozzi, A. Carbone, R. Chistov, M. Chrzaszcz, G. Cibinetto, J. Dingfelder, M. Gelb, M. Gersabeck, T. Gershon, L. Gibbons, B. Golob, R. Harr, K. Hayasaka, H. Hayashii, T. Kuhr, O. Leroy, A. Lusiani, K. Miyabayashi, P. Naik, S. Nishida, A. Campos, M. Patel, D. Pedrini, M. Petric, M. Rama, M. Roney, M. Rotondo, O. Schneider, C. Schwanda, A. Schwartz, B. Shwartz, J. Smith, R. Tesarek, K. Trabelsi, P. Urquijo, R. Van Kooten, A. Zupanc, FERMILAB-PUB-15-004-PPD

2013

1. Search for rare decays $\mathcal{B}(B_s^0 \rightarrow \mu^+ \mu^-)$ at the LHC with the ATLAS, CMS and LHCb experiments, G. Mancinelli, M. Perrin-Terrin, CERN-LHCb-INT-2013-012
2. Electronics Architecture of the LHCb Upgrade, K. Wyllie, F. Alessio, C. Gaspar, R. Jacobsson, R. Le Gac, N. Neufeld, R. Schwemmer, CERN-LHCb-PUB-2011-011, LHCb-PUB-2011-011
3. Towards a model independent branching ratio measurement of $B_s^0 \rightarrow \mu^+ \mu^-$, M. Perrin-Terrin, G. Mancinelli, F. Dettori, J. Serrano, CERN-LHCb-INT-2013-012
4. LHCb PID Upgrade Technical Design Report, LHCb Collaboration, CERN-LHCC-2013-022, LHCb-TDR-014
5. LHCb VELO Upgrade Technical Design Report, LHCb Collaboration, CERN-LHCC-2013-021, LHCb-TDR-013
6. ECFA High Luminosity LHC Experiments Workshop: Physics and Technology Challenges, D. Abbaneo, M. Abbrescia, P. P. Allport, C. Amelung, A. Ball, D. Barney, C. F. Bedoya, P. De Barbaro, O. Beltramello, S. Bertolucci, H. Borel, O. Bruning, P. Buncic, C. M. Buttar, J.-P. Cacheriche, P. Campana, A. Cardini, S. Caron, M. Chamizo Llatas, D. G. Charlton, J. Christiansen, D. C. Contardo, G. Corti, C. G. Cuadrado, A. Dainese, B. Dahmes, B. Di Girolamo, P. Dupieux, P. Elmer, P. Farthouat, D. Ferrere, M. Ferro-Luzzi, I. Fisk, M. Garcia-Sciveres, T. Gershon, S. Giagu, P. Giubellino, G. Graziani, I. M. Gregor, B. Gorini, M. Hansen, C.S. Hill, K. Hoepfner, P. Iengo, J. Incandela, M. Ishino, P. Jenni, A. Kluge, P. Kluit, M. Klute, T. Kollegger, M. Krammer, N. Konstantinidis, O. Kortner, G. Lanfranchi, F. Lanni, R. Le Gac, R. Lindner, F. Machefert, M. Mangano, M. Mannelli, V. Manzari, A. Marchioro, S. McMahon, I.-A. Melzer-Pellmann, S. Mersi, P. Braun Munzinger, W. J. Murray, S. Myers, A. Nisati, N. Neufeld, P. Phillips, D. Pinci, K. Prokofiev, C. Rembser, P. Riedler, W. Riegler, D. Rousseau, L. Rossi, A. Safonov, G. P. Salam, A. Sbrizzi, C. Schaefer, B. Schmidt, C. Schwick, D. Silvermyr, W. H. Smith, A. Valero, P. Vande Vyvre, F. Vasey, S. Veneziano, B. Verlaat, T.S. Virdee, A.R. Weidberg, A. Weiler, P. Wells, H. Wessels, G. Wilkinson, K. Wyllie, ECFA/13/284
7. Search for rare decays $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ with 3 fb^{-1} at LHCb, C. Adrover, J. Albrecht, F. Archilli, M-O. Bettler, X. Cid Vidal, F. Dettori, C. Elsasser, J. A. Hernando Morata, G. Lanfranchi, G. Mancinelli, D.

Martinez Santos, S. Oggero, M. Palutan, A. Pellegrino, M. Perrin-Terrin, N. Sagidova, A. Sarti, J. Serrano, B. Sciascia, Y. Shcheglov, F. Soomro, O. Steinkamp, S. Tolk, CERN-LHCb-ANA-2013-032

2012

1. Optimisation of the binning of the discriminating variables used in the computation of $\mathcal{B}(B_s^0 \rightarrow \mu^+ \mu^-)$ upper limits with the modified frequentist approach, G. Mancinelli, M. Perrin-Terrin, CERN-LHCb-INT-2012-003
2. Search for the rare decays $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ with 1.02 fb^{-1} , C. Adrover, J. Albrecht, F. Archilli, M. Bettler, X. Cid Vidal, F. Dettori, C. Elsasser, J. A. Hernando Morata, G. Lanfranchi, G. Mancinelli, D. Martinez Santos, M. Palutan, M. Perrin-Terrin, N. Sagidova, A. Sarti, B. Sciascia, J. Serrano, F. Soomro, Y. Shcheglov, O. Steinkamp, CERN-LHCb-ANA-2011-102
3. Search for the rare decays $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ with 1 fb^{-1} of 2012 data, C. Adrover, J. Albrecht, F. Archilli, M.-O. Bettler, X. Cid Vidal, F. Dettori, C. Elsasser, G. Lanfranchi, G. Mancinelli, D. Martinez Santos, A. Mordà, S. Oggero, M. Palutan, A. Pellegrino, M. Perrin-Terrin, M. Rama, A. Sarti, M. Schlupp, J. Serrano, B. Sciascia, F. Soomro, S. Tolk, A. Ustyuzhanin, R. Vazquez Gomez, CERN-LHCb-ANA-081
4. Measurement of the B_d^0 mixing frequency Δm_d in $B^0 \rightarrow J/\psi K^{*0}$ and $B^0 \rightarrow D^- \pi^+$, T. Brambach, M. Calvi, M. Calvo, C. Cauet, D. Derkach, U. Eitschberger, S. Furcas, G. Krocker, F. Kruse, O. Leroy, J. von Loeben, M. Grabalosa, F. Meier, E. Maurice, S. Vecchi, J. Wishahi, CERN-LHCb-ANA-2012-018
5. Contribution française à l'upgrade de LHCb, C. Adrover, Z. Ajaltouni, E. Aslanides, S. Barsuk, C. Beigbeder-Beau, E. Ben-Haim, M. Benayoun, I. De Bonis, J.-P. Cachemiche, S. Cap, T. Cacères, O. Callot, D. Charlet, H. Chanal, J. Cogan, E. Cogneras, P. David, D. Decamp, L. Del Buono, O. Deschamps, C. Drancourt, O. Duarte, P.-Y. Duval, I. El Rifai, Ph. Ghez, F. Hachon, J. He, P. Henrard, M. Hoballah, P. Hopchev, M. Jahjah Hussein, B. Jean-Marie, B. Khanji, O. Kochebina, J.-P. Lees, R. Lefèvre, J. Lefrançois, R. Le Gac, O. Leroy, L. Li Gioi, F. Machefert, I.V. Machikhiliyan, G. Mancinelli, A. Martin Sanchez, A. Martens, E. Maurice, M.-N. Minard, S. Monteil, M. Nicol, V. Niess, M. Perrin-Terrin, P. Perret, B. Pietrzyk, F. Polci, F. Rethore, D.A. Roa Romero, P. Robbe, M. Sapunov, M.-H. Schune, J. Serrano, K. Sobczak, S. T'Jampens, M. Teklishyn, V. Tisserand, V. Tocut, E. Tourneer, A. Tsaregorodtsev, B. Viaud, I. Videau, G. Vouters, IN2P3-00925089
6. Tagged time-dependent angular analysis of $B_s^0 \rightarrow J/\psi \phi$ decays with 1.03 fb^{-1} , R. Aaij, Y. Amhis, T. Brambach, M. Calvi, M. Calvo, C. Cauet, P. Clarke, G. Cowan, R. Currie, D. Derkach, F. Dordei, F. Dupertius, U. Eitschberger, C. Fitzpatrick, S. Furcas, M. Grabalosa, S. Hansmann-Menzemer, W. Hulsbergen, G. Krocker, C. Langenbruch, O. Leroy, C. Linn, E. Maurice, F. Muheim, M. Needham, G. Raven, U. Uwer, D. Van Eijk, J. Van Leerdam, S. Vecchi, J. Wishahi, J. Von Loeben, Y. Xie, CERN-LHCb-ANA-2012-004

7. Angular analysis of $B^0 \rightarrow K^{*0}\mu^+\mu^-$ at LHCb with 1 fb^{-1} , T. Blake, E. Ben-Haim, M. De Cian, U. Egede, J. Lefrançois, C. Parkinson, M. Patel, F. Polci, C. Salzmann, A. Satta, M. H. Schune, J. Serrano, N. Serra, A. Shires, CERN-LHCb-ANA-2012-051

8. Performance of flavor tagging algorithms optimised for the analysis of $B_s^0 \rightarrow J/\psi\phi$, R. Aaij, B. Adeva, M. Adinolfi, C. Adrover, A. Affolder, Z. Ajaltouni, J. Albrecht, F. Alessio, M. Alexander, S. Ali, G. Alkhazov, P. Alvarez Cartelle, A. A. Alves Jr, S. Amato, S. Amerio, Y. Amhis, L. Anderlini, J. Anderson, R. Andreassen, J. E. Andrews, R. B. Appleby, O. Aquines Gutierrez, F. Archilli, A. Artamonov, M. Artuso, E. Aslanides, G. Auriemma, M. Baalouch, S. Bachmann, J. J. Back, C. Baesso, V. Balagura, W. Baldini, R. J. Barlow, C. Barschel, S. Barsuk, W. Barter, T. Bauer, A. Bay, J. Beddow, F. Bedeschi, I. Bediaga, S. Belogurov, K. Belous, I. Belyaev, E. Ben-Haim, G. Bencivenni, S. Benson, J. Benton, A. Berezhtnoy, R. Bernet, M.-O. Bettler, M. Van Beuzekom, A. Bien, S. Bifani, T. Bird, A. Bizzeti, P. M. Bjørnstad, T. Blake, F. Blanc, J. Blouw, S. Blusk, V. Bocci, A. Bondar, N. Bondar, W. Bonivento, S. Borghi, A. Borgia, T. J. Bowcock, E. Bowen, C. Bozzi, T. Brambach, J. Van Den Brand, J. Bressieux, D. Brett, M. Britsch, T. Britton, N. H. Brook, H. Brown, I. Burducea, A. Bursche, G. Busetto, J. Buytaert, S. Cadeddu, O. Callot, M. Calvi, M. Calvo Gomez, A. Camboni, P. Campana, D. Campora Perez, A. Carbone, G. Carboni, R. Cardinale, A. Cardini, H. Carranza-Mejia, L. Carson, K. Carvalho Akiba, G. Casse, L. Castillo Garcia, M. Cattaneo, C. Cauet, R. Cenci, M. Charles, P. Charpentier, P. Chen, N. Chiapolini, M. Chrzaszcz, K. Ciba, X. Cid Vidal, G. Ciezarek, P. E. Clarke, M. Clemencic, H. V. Cliff, J. Closier, C. Coca, V. Coco, J. Cogan, E. Cogneras, P. Collins, A. Comerma-Montells, A. Contu, A. Cook, M. Coombes, S. Coquereau, G. Corti, B. Couturier, G. A. Cowan, D. C. Craik, S. Cunliffe, R. Currie, C. D'Ambrosio, P. David, P. N. David, A. Davis, I. De Bonis, K. De Bruyn, S. De Capua, M. De Cian, J. M. De Miranda, L. De Paula, W. De Silva, P. De Simone, D. Decamp, M. Deckenhoff, L. Del Buono, N. Déleage, D. Derkach, O. Deschamps, F. Dettori, A. Di Canto, H. Dijkstra, M. Dogaru, S. Donleavy, F. Dordei, A. Dosil Suárez, D. Dossett, A. Dovbnya, F. Dupertuis, P. Durante, R. Dzhelyadin, A. Dziurda, A. Dzyuba, S. Easo, U. Egede, V. Egorychev, S. Eidelman, D. Van Eijk, S. Eisenhardt, U. Eitschberger, R. Ekelhof, L. Eklund, I. El Rifai, C. Elsasser, A. Falabella, C. Färber, G. Fardell, C. Farinelli, S. Farry, D. Ferguson, V. Fernandez Albor, F. Ferreira Rodrigues, M. Ferro-Luzzi, S. Filippov, M. Fiore, C. Fitzpatrick, M. Fontana, F. Fontanelli, R. Forty, O. Francisco, M. Frank, C. Frei, M. Frosini, S. Furcas, E. Furfaro, A. Gallas Torreira, D. Galli, M. Gandelman, P. Gandini, Y. Gao, J. Garofoli, P. Garosi, J. Garra Tico, L. Garrido, C. Gaspar, R. Gauld, E. Gersabeck, M. Gersabeck, T. Gershon, P. Ghez, V. Gibson, L. Giubega, V. V. Gligorov, C. Göbel, D. Golubkov, A. Golutvin, A. Gomes, P. Gorbounov, H. Gordon, M. Grabalosa Gándara, R. Graciani Diaz, L. A. Granado Cardoso, E. Graugés, G. Graziani, A. Grecu, E. Greening, S. Gregson, P. Griffith, O. Grünberg, B. Gui, E. Gushchin, Y. Guz, T. Gys, C. Hadjivasiliou, G. Haefeli, C. Haen, S. C. Haines, S. Hall, B. Hamilton, T. Hampson, S. Hansmann-Menzemer, N. Harnew, S. T. Harnew, J. Harrison, T. Hartmann, J. He, T. Head, V. Heijne, K. Hennessy, P. Henrard, J. A. Hernando Morata, E. Van Herwijnen, A. Hicheur, E. Hicks, D.

Hill, M. Hoballah, C. Hombach, P. Hopchev, W. Hulsbergen, P. Hunt, T. Huse, N. Hussain, D. Hutchcroft, D. Hynds, V. Iakovenko, M. Idzik, P. Ilten, R. Jacobsson, A. Jaeger, E. Jans, P. Jatón, A. Jawahery, F. Jing, M. John, D. Johnson, C. R. Jones, C. Joram, B. Jost, M. Kaballo, S. Kandybei, W. Kanso, M. Karacson, T. M. Karbach, I. R. Kenyon, T. Ketel, A. Keune, B. Khanji, O. Kochebina, I. Komarov, R. F. Koopman, P. Koppenburg, M. Korolev, A. Kozlinskiy, L. Kravchuk, K. Kreplin, M. Kreps, G. Krocker, P. Krokovny, F. Kruse, M. Kucharczyk, V. Kudryavtsev, T. Kvaratskheliya, V. N. La Thi, D. Lacarrere, G. Lafferty, A. Lai, D. Lambert, R. W. Lambert, E. Lanciotti, G. Lanfranchi, C. Langenbruch, T. Latham, C. Lazzeroni, R. Le Gac, J. Van Leerdaam, J.-P. Lees, R. Lefèvre, A. Leflat, J. Lefrançois, S. Leo, O. Leroy, T. Lesiak, B. Leverington, Y. Li, L. Li Gioi, M. Liles, R. Lindner, C. Linn, B. Liu, G. Liu, S. Lohn, I. Longstaff, J. H. Lopes, N. Lopez-March, H. Lu, D. Lucchesi, J. Luisier, H. Luo, F. Machefert, I. V. Machikhiliyan, F. Maciuc, O. Maev, S. Malde, G. Manca, G. Mancinelli, J. Maratas, U. Marconi, P. Marino, R. Märki, J. Marks, G. Martellotti, A. Martens, A. Martín Sánchez, M. Martinelli, D. Martinez Santos, D. Martins Tostes, A. Massafferri, R. Matev, Z. Mathe, C. Matteuzzi, E. Maurice, A. Mazurov, B. Mc Skelly, J. Mccarthy, A. McNab, R. McNulty, B. Meadows, F. Meier, M. Meissner, M. Merk, D. A. Milanes, M.-N. Minard, J. Molina Rodriguez, S. Monteil, D. Moran, P. Morawski, A. Mordà, M. J. Morello, R. Moun-tain, I. Mous, F. Muheim, K. Müller, R. Muresan, B. Muryn, B. Muster, P. Naik, T. Nakada, R. Nandakumar, I. Nasteva, M. Needham, S. Neubert, N. Neufeld, A. D. Nguyen, T. D. Nguyen, C. Nguyen-Mau, M. Nicol, V. Niess, R. Niet, N. Nikitin, T. Nikodem, A. Nomerotski, A. Novoselov, A. Oblakowska-Mucha, V. Obraztsov, S. Oggero, S. Ogilvy, O. Okhrimenko, R. Oldeman, M. Orlandea, J. M. Otorola Goicochea, P. Owen, A. Oyanguren, B. K. Pal, A. Palano, T. Palczewski, M. Palutan, J. Panman, A. Papanestis, M. Pappagallo, C. Parkes, C. J. Parkinson, G. Passaleva, G. D. Patel, M. Patel, G. N. Patrick, C. Patrignani, C. Pavel-Nicorescu, A. Pazos Alvarez, A. Pellegrino, G. Penso, M. Pepe Altarelli, S. Perazzini, E. Perez Trigo, A. Pérez-Calero Yzquierdo, P. Perret, M. Perrin-Terrin, L. Pescatore, E. Pesen, G. Pessina, K. Petridis, A. Petrolini, A. Phan, E. Picatoste Olloqui, B. Pietrzyk, T. Pilař, D. Pinci, S. Playfer, M. Plo Casasus, F. Polci, G. Polok, A. Poluektov, E. Polcarpo, A. Popov, D. Popov, B. Popovici, C. Potterat, A. Powell, J. Prisciandaro, A. Pritchard, C. Prouve, V. Pugatch, A. Puig Navarro, G. Punzi, W. Qian, J. H. Rademacker, B. Rakotomiaramanana, M. S. Rangel, I. Raniuk, N. Rauschmayr, G. Raven, S. Redford, M. M. Reid, A. C. Dos Reis, S. Ricciardi, A. Richards, K. Rinnert, V. Rives Molina, D. A. Roa Romero, P. Robbe, D. A. Roberts, E. Rodrigues, P. Rodriguez Perez, S. Roiser, V. Romanovsky, A. Romero Vidal, J. Rouvinet, T. Ruf, F. Ruffini, H. Ruiz, P. Ruiz Valls, G. Sabatino, J. J. Saborido Silva, N. Sagi-dova, P. Sail, B. Saitta, V. Salustino Guimaraes, B. Sanmartin Sedes, M. Sannino, R. Santacesaria, C. Santamarina Rios, E. Santovetti, M. Sapunov, A. Sarti, C. Satriano, A. Satta, M. Savrie, D. Savrina, P. Schaack, M. Schiller, H. Schindler, M. Schlupp, M. Schmelling, B. Schmidt, O. Schneider, A. Schopper, M.-H. Schune, R. Schwemmer, B. Sciascia, A. Sciubba, M. Seco, A. Semennikov, K. Senderowska, I. Sepp, N. Serra, J. Serrano, P. Seyfert, M. Shapkin, I. Shapoval, P. Shatalov, Y. Shcheglov, T. Shears, L. Shekhtman, O. Shevchenko, V. Shevchenko, A. Shires, R. Silva Coutinho,

M. Sirendi, T. Skwarnicki, N. A. Smith, E. Smith, J. Smith, M. Smith, M. D. Sokoloff, F. J. Soler, F. Soomro, D. Souza, B. Souza De Paula, B. Spaan, A. Sparkes, P. Spradlin, F. Stagni, S. Stahl, O. Steinkamp, S. Stevenson, S. Stoica, S. Stone, B. Storaci, M. Straticiuc, U. Straumann, V. K. Subbiah, L. Sun, S. Swientek, V. Syropoulos, M. Szczekowski, P. Szczypka, T. Szumlak, S. T’Jampens, M. Teklishyn, E. Teodorescu, F. Teubert, C. Thomas, E. Thomas, J. Van Tilburg, V. Tisserand, M. Tobin, S. Tolc, D. Tonelli, S. Topp-Joergensen, N. Torr, E. Tournefier, S. Tourneur, M. T. Tran, M. Tresch, A. Tsaregorodtsev, P. Tsopelas, N. Tuning, M. Ubeda Garcia, A. Ukleja, D. Urner, A. Ustyuzhanin, U. Uwer, V. Vagnoni, G. Valenti, A. Vallier, M. Van Dijk, R. Vazquez Gomez, P. Vazquez Regueiro, C. Vázquez Sierra, S. Vecchi, J. J. Velthuis, M. Veltri, G. Veneziano, M. Vesterinen, B. Viaud, D. Vieira, X. Vilasis-Cardona, A. Vollhardt, D. Volyansky, D. Voong, A. Vorobyev, V. Vorobyev, C. Voß, H. Voss, R. Waldi, C. Wallace, R. Wallace, S. Wandernoth, J. Wang, D. R. Ward, N. K. Watson, A. D. Weber, D. Websdale, M. Whitehead, J. Wicht, J. Wiechczynski, D. Wiedner, L. Wiggers, G. Wilkinson, M. P. Williams, M. Williams, F. F. Wilson, J. Wimberley, J. Wishahi, W. Wislicki, M. Witek, S. A. Wotton, S. Wright, S. Wu, K. Wyllie, Y. Xie, Z. Xing, Z. Yang, R. Young, X. Yuan, O. Yushchenko, M. Zangoli, M. Zavertyaev, F. Zhang, L. Zhang, W. C. Zhang, Y. Zhang, A. Zhelezov, A. Zhokhov, L. Zhong, A. Zvyagin, LHCb-CONF-2012-026

9. Framework TDR for the LHCb Upgrade, I. Bediaga, J. M. De Miranda, F. Ferreira Rodrigues, J. Magnin, A. Massafferri, I. Nasteva, A. C. Dos Reis, S. Amato, K. Carvalho Akiba, L. De Paula, O. Francisco, M. Gandelman, A. Gomes, J. H. Lopes, J. M. Otalora Goicochea, E. Polycarpo, M. S. Rangel, B. Souza De Paula, D. Vieira, C. Göbel, J. Molina Rodriguez, P. Chen, Y. Gao, G. Gong, H. Gong, F. Jing, L. Li, Y. Li, B. Liu, H. Lu, B. Shao, S. Wu, T. Xue, Z. Yang, X. Yuan, M. Zeng, F. Zhang, Y. Zhang, L. Zhong, I. De Bonis, D. Decamp, C. Drancourt, P. Ghez, P. Hopchev, J.-P. Lees, I. V. Machikhiliyan, M.-N. Minard, B. Pietrzyk, S. T’Jampens, V. Tisserand, E. Tournefier, G. Vouters, Z. Ajaltouni, H. Chanal, E. Cagneas, O. Deschamps, I. El Rifai, P. Henrard, M. Hoballah, M. Jahjah Hussein, R. Lefèvre, L. Li Gioi, S. Monteil, V. Niess, P. Perret, D. A. Roa Romero, K. Sobczak, C. Adrover, E. Aslanides, J.-P. Cachemiche, J. Cogan, P.-Y. Duval, F. Hachon, B. Khanji, R. Le Gac, O. Leroy, G. Mancinelli, E. Maurice, M. Perrin-Terrin, F. Rethore, M. Sapunov, J. Serrano, A. Tsaregorodtsev, S. Barsuk, C. Beigbeder-Beau, T. Cacérés, O. Callot, D. Charlet, O. Duarte, J. He, B. Jean-Marie, O. Kochebina, J. Lefrançois, F. Machefert, A. Martín Sánchez, M. Nicol, P. Robbe, M.-H. Schune, M. Teklishyn, V. Tocut, B. Viaud, I. Videau, E. Ben-Haim, M. Benayoun, P. David, L. Del Buono, A. Martens, F. Polci, T. Brambach, C. Cauet, M. Deckenhoff, M. Domke, R. Ekelhof, M. Kaballo, T. M. Karbach, F. Kruse, J. Merkel, K. Rudloff, S. Schleich, M. Schlupp, B. Spaan, S. Swientek, K. Warda, J. Wishahi, C. Bauer, M. Britsch, C. Föhr, M. Fontana, H. Fuchs, W. Hofmann, T. Kihm, D. Popov, M. Schmelling, D. Volyansky, H. Voss, M. Zavertyaev, S. Bachmann, A. Bien, J. Blouw, F. Dordei, C. Färber, E. Gersabeck, S. Hansmann-Menzemer, A. Jaeger, K. Kreplin, G. Krocker, C. Linn, J. Marks, M. Meissner, T. Nikodem, P. Seyfert, S. Stahl, J. Van Tilburg, U. Uwer, S. Wandernoth, D. Wiedner, A. Zhelezov, O. Grünberg, T. Hartmann, C. Voß,

R. Waldi, S. Bifani, S. Farry, P. Ilten, T. Kechadi, Z. Mathe, R. McNulty, R. Wallace, W. C. Zhang, D. A. Milanese, A. Palano, A. Carbone, I. D'Antone, D. Derkach, A. Falabella, D. Galli, I. Lax, U. Marconi, S. Perazzini, V. Vagnoni, G. Valenti, M. Zangoli, W. Bonivento, S. Cadeddu, A. Cardini, A. Lai, G. Manca, R. Oldeman, B. Saitta, W. Baldini, C. Bozzi, F. Evangelisti, L. Landi, A. Mazurov, M. Savrie, S. Squerzanti, S. Vecchi, A. Bizzeti, M. Frosini, G. Graziani, G. Passaleva, M. Veltri, M. Anelli, F. Archilli, G. Ben-
civenni, P. Campana, P. Ciambrone, P. De Simone, G. Felici, G. Lanfranchi, M. Palutan, A. Saputi, A. Sarti, B. Sciascia, F. Soomro, R. Cardinale, F. Fontanelli, C. Patrignani, A. Petrolini, M. Calvi, S. Furcas, A. Giachero, C. Gotti, M. Kucharczyk, M. Maino, C. Matteuzzi, G. Pessina, G. Carboni, S. De Capua, G. Sabatino, E. Santovetti, A. Satta, A. A. Alves Jr, G. Auriemma, V. Bocci, G. Martellotti, G. Penso, D. Pinci, R. Santacesaria, C. Satriano, A. Sciubba, S. Nisar, P. Morawski, G. Polok, M. Witek, B. Muryn, A. Oblakowska-Mucha, K. Senderowska, T. Szumlak, Z. Guzik, A. Nawrot, M. Szczekowski, A. Ukleja, I. Burducea, C. Coca, M. Dogaru, A. Grecu, F. Maciuc, R. Muresan, M. Orlandea, C. Pavel-Nicorescu, B. Popovici, S. Stoica, M. Straticiuc, E. Teodorescu, G. Alkhazov, B. Bochyn, N. Bondar, A. Dzyuba, S. Gets, V. Golovtsov, A. Kashchuk, O. Maev, M. Matveev, N. Sagidova, Y. Shcheglov, S. Volkov, A. Vorobyev, V. Balagura, S. Belogurov, I. Belyaev, V. Egorychev, D. Golubkov, T. Kvaratskheliya, D. Savrina, A. Semennikov, P. Shatalov, V. Shevchenko, A. Zhokhov, A. Berezhnoy, G. Bogdanova, I. Komarov, M. Korolev, A. Leflat, N. Nikitin, V. Volkov, E. Zverev, S. Filippov, E. Gushchin, O. Karavichev, L. Kravchuk, Y. Kudenko, S. Laptev, A. Tikhonov, A. Bondar, S. Eidelman, P. Krokovny, V. Kudryavtsev, L. Shekhtman, V. Vorobyev, A. Artamonov, K. Belous, R. Dzhelyadin, Y. Guz, A. Novoselov, V. Obraztsov, A. Ostankov, V. Romanovsky, M. Shapkin, O. Stenyakin, O. Yushchenko, C. Abellan Beteta, M. Calvo Gomez, A. Camboni, A. Casajus Ramo, A. Comerma-Montells, F. Domingo Bonal, L. Garrido, D. Gascon, M. Grabalosa Gándara, R. Graciani Diaz, E. Graugés, E. Lopez Asamar, J. Mauricio, V. Mendez-Munoz, A. Pérez-Calero Yzquierdo, E. Picatoste Olloqui, B. Pie Valls, C. Potterat, A. Puig Navarro, M. Rosello, H. Ruiz, R. Vazquez Gomez, X. Vilasis-Cardona, B. Adeva, P. Alvarez Cartelle, X. Cid Vidal, A. Dosil Suárez, D. Esperante Pereira, V. Fernandez Albor, A. Gallas Torreira, J. A. Hernandez Morata, A. Pazos Alvarez, E. Perez Trigo, M. Plo Casasus, P. Rodriguez Perez, J. J. Saborido Silva, B. Sanmartin Sedes, C. Santamarina Rios, M. Seco, P. Vazquez Regueiro, J. Visniakov, J. Albrecht, F. Alessio, C. Barschel, T. Blake, E. Bonaccorsi, L. Brarda, J. Buytaert, M. Cattaneo, B. Chadaï, P. Charpentier, M. Chebbi, K. Ciba, M. Clemencic, J. Closier, P. Collins, B. Corajod, G. Corti, B. Couturier, C. D'Ambrosio, G. Decreuse, H. Dijkstra, R. Dumps, M. Ferro-Luzzi, R. Forty, C. Fournier, M. Frank, C. Frei, C. Gaspar, M. Gersabeck, V. V. Gligorov, L. A. Granado Cardoso, T. Gys, C. Haen, E. Van Herwijnen, R. Jacobsson, O. Jamet, B. Jost, M. Karacson, R. Kristic, D. Lacarrere, E. Lanciotti, C. Langenbruch, R. Lindner, G. Liu, D. Martinez Santos, R. Matev, N. Neufeld, J. Panman, M. Pepe Altarelli, D. Piedigrossi, N. Rauschmayr, S. Roiser, L. Roy, T. Ruf, H. Schindler, B. Schmidt, T. Schneider, A. Schopper, R. Schwemmer, F. Stagni, V. K. Subbiah, F. Teubert, E. Thomas, D. Tonelli, M. Ubeda Garcia, O. Ullaland, M. Vesterinen, J. Wicht, W. Witzeling, K. Wyllie, A. Zvyagin, Y. Amhis, A.

Bay, F. Bernard, F. Blanc, J. Bressieux, G. A. Cowan, H. Degaudenzi, F. Dupertuis, V. Fave, R. Frei, N. Gauvin, G. Haefeli, P. Jaton, A. Keune, M. Knecht, V. N. La Thi, N. Lopez-March, J. Luisier, R. Märki, B. Muster, T. Nakada, A. D. Nguyen, C. Nguyen-Mau, J. Prisciandaro, B. Rakotomiaramanana, J. Rouvinet, O. Schneider, P. Szczypka, S. Tourneur, M. T. Tran, G. Veneziano, J. Anderson, R. Bernet, A. B. üchler-Germann, A. Bursche, N. Chiapolini, M. De Cian, C. Elsasser, K. Müller, J. Palacios, C. Salzmann, S. Saornil Gamarra, N. Serra, O. Steinkamp, U. Straumann, M. Tobin, A. Vollhardt, R. Aaij, S. Ali, H. Band, T. Bauer, M. Van Beuzekom, V. Van Beveren, H. Boer Rookhuizen, L. Ceelie, V. Coco, P. N. David, K. De Bruyn, P. De Groen, D. Van Eijk, C. Farinelli, V. Gromov, B. Van Der Heijden, V. Heijne, W. Hulsbergen, E. Jans, F. Jansen, L. Jansen, P. Jansweijer, R. Kluit, P. Koppenburg, A. Kozlinskiy, J. Van Leerdam, M. Martinelli, M. Merk, I. Mous, B. Munneke, S. Oggero, M. Van Overbeek, A. Pellegrino, O. Van Petten, E. Roeland, K. De Roo, A. Schimmel, H. Schuijlenburg, T. Sluijk, B. Storaci, P. Tsopelas, N. Tuning, W. Vink, P. Wenerke, L. Wiggers, F. Zappone, A. Zwart, J. Van Den Brand, F. Dettori, T. Ketel, R. F. Koopman, J. Kos, R. W. Lambert, F. Mul, G. Raven, M. Schiller, S. Tolk, A. Dovbnya, S. Kandybei, I. Raniuk, I. Shapoval, O. Shevchenko, V. Iakovenko, Y. Nikolaiko, O. Okhrimenko, M. Pugatch, V. Pugatch, P. J. Faulkner, I. R. Kenyon, C. Lazzeroni, J. Mccarthy, M. W. Slater, N. K. Watson, M. Adinolfi, J. Benton, N. H. Brook, A. Cook, M. Coombes, T. Hampson, S. T. Harnew, P. Naik, J. H. Rademacker, A. Solomin, D. Souza, J. J. Velthuis, D. Voong, W. Barter, M.-O. Bettler, H. V. Cliff, J. Garra Tico, V. Gibson, S. Gregson, S. C. Haines, C. R. Jones, S. Sigurdsson, D. R. Ward, S. A. Wotton, S. Wright, J. J. Back, D. Craik, D. Dossett, T. Gershon, M. Kreps, T. Latham, T. Pilař, A. Poluektov, M. M. Reid, R. Silva Coutinho, M. Whitehead, M. P. Williams, S. Easo, R. Nandakumar, A. Papanestis, G. N. Patrick, S. Ricciardi, F. F. Wilson, S. Benson, P. E. Clarke, R. Currie, S. Eisenhardt, C. Fitzpatrick, D. Lambert, H. Luo, H. Mejia, F. Muheim, M. Needham, S. Playfer, A. Sparkes, Y. Xie, M. Alexander, J. Beddow, S. Borghi, L. Eklund, D. Hynds, S. Ogilvy, M. Pappagallo, E. Rodrigues, P. Sail, F. J. Soler, P. Spradlin, T. J. Bowcock, H. Brown, G. Casse, S. Donleavy, K. Hennessy, E. Hicks, T. Huse, D. Hutchcroft, M. Liles, G. D. Patel, K. Rinnert, T. Shears, N. A. Smith, L. Carson, G. Ciezarek, S. Cunliffe, U. Egede, A. Golutvin, S. Hall, P. Owen, C. J. Parkinson, M. Patel, K. Petridis, A. Richards, T. Savidge, I. Sepp, A. Shires, D. Websdale, M. Williams, R. B. Appleby, R. J. Barlow, T. Bird, P. M. Bjørnstad, D. Brett, J. Harrison, G. Lafferty, G. McGregor, D. Moran, C. Parkes, M. Smith, A. D. Webber, M. Brock, M. Charles, N. Harnew, J. J. John, M. John, S. Malde, A. Nomerotski, A. Powell, C. Thomas, S. Topp-Joergensen, G. Wilkinson, B. Meadows, M. D. Sokoloff, M. Artuso, S. Blusk, A. Borgia, T. Britton, J. Garofoli, B. Gui, C. Hadjivasiliou, R. Mountain, B. K. Pal, A. Phan, W. Qian, T. Skwarnicki, S. Stone, J. Wang, Z. Xing, L. Zhang, CERN- LHCC-2012-007, LHCb-TDR-12

10. Averages of b -hadron, c -hadron, and τ -lepton properties as of early 2012, Y. Amhis, S. Banerjee, R. Bernhard, S. Blyth, A. Bozek, C. Bozzi, A. Carbone, A. Campos, R. Chistov, G. Cibinetto, J. Coleman, J. Dingfelder, W. Dungel, M. Gersabeck, T. Gershon, L. Gibbons, B. Golob, R. Harr, K. Hayasaka,

H. Hayashii, O. Leroy, D. Lopes Pegna, R. Louvot, A. Lusiani, V. Luth, B. Meadows, S. Nishida, M. Patel, D. Pedrini, M. Rama, M. Roney, M. Rotondo, O. Schneider, C. Schwanda, A. Schwartz, B. Shwartz, J. Smith, R. Tesarek, D. Tonelli, K. Trabelsi, P. Urquijo, R. Van Kooten, FERMILAB-PUB-12-871-PPD, SLAC-R-1002

11. Search for the rare decays $B_{(s)}^0 \rightarrow \mu\mu$ at the LHC with the ATLAS, CMS and LHCb experiments, R. Aaij, et al., CERN-LHCb-CONF-2012-017, LHCb-CONF-2012-017

2011

1. LHCb Global Timing and Monitoring of the LHC Filling Scheme, F. Alessio, Z. Guzik, R. Jacobsson, CERN-LHCb- PUB-2011-004, LHCb-PUB-2011-004
2. Measurement of CP violation in the time-dependent analysis of $B^0 \rightarrow J/\psi K_S^0$ decays with the 2010 data, T. Brambach, M. Calvi, A. Falabella, S. Furcas, M. Gandelman, M. Grabalosa, W. Hulsbergen, T. M. Karbach, B. Khanji, F. Kruse, O. Leroy, E. Maurice, J. Merkel, M. Musy, F. Rodrigues, B. Souza de Paula, S. Vecchi, J. Wishahi, Y. Xie, CERN-LHCb- ANA-2011-004
3. Measurement of Δm_d and calibration of the combined opposite side taggers in the decay $B_d \rightarrow D^-(K^+\pi^-\pi^-)\pi^+$, K. Akiba, T. Bird, S. Blusk, T. Brambach, M. Calvo Gomez, M. Calvi, S. Easo, V. Fave, A. Falabella, C. Farinelli, S. Furcas, M. Grabalosa, S. Hansmann- Menzemer, K. Holubyev, B. Khanji, G. Krocker, P. Krokovny, C. Langenbruch, O. Leroy, E. Maurice, I. Mous, M. Musy, T. Nikodem, E. Rodrigues, S. Stahl, S. Vecchi, S. Sebastian Wandernoth, Y. Xie, CERN-LHCb-ANA-2011-015
4. Measurement of Δm_s in the decay $B_s \rightarrow D_s(K^+K^-\pi^-)\pi^+$ and $B_s \rightarrow D_s(K^+K^-\pi^-)\pi^+\pi^+\pi^-$, K. Akiba, T. Bird, S. Blusk, T. Brambach, M. Calvo Gomez, M. Calvi, S. Easo, V. Fave, A. Falabella, C. Farinelli, S. Furcas, M. Grabalosa, S. Hansmann- Menzemer, K. Holubyev, B. Khanji, G. Krocker, P. Krokovny, C. Langenbruch, O. Leroy, E. Maurice, I. Mous, M. Musy, T. Nikodem, E. Rodrigues, S. Stahl, S. Vecchi, S. Wandernoth, Y. Xie, CERN-LHCb-ANA-2011-005
5. Search for the rare decays $B_{(s)}^0 \rightarrow \mu^+\mu^-$ with 150 pb^{-1} at LHCb, C. Adrover, J. Albrecht, F. Archilli, M. Bettler, L. Carson, X. Cid Vidal, C. Elsasser, J. A. Hernando Morata, G. Lanfranchi, G. Mancinelli, D. Martinez Santos, M. Matveev, M. Palutan, M. Perrin-Terrin, N. Sagidova, A. Sarti, J. Serrano, B. Sciascia, Y. Shcheglov, O. Steinkamp, CERN-LHCb-ANA-2011-039
6. Optimization and Calibration of the Flavour Tagging performance using 2010 data, T. Brambach, M. Calvi, A. Falabella, S. Furcas, B. Khanji, O. Leroy, M. Grabalosa, E. Maurice, M. Musy, S. Vecchi, Y. Xie, CERN-LHCb-ANA-2011-003
7. Measurement of the Υ cross section in $\mu^+\mu^-$ channel at LHCb, G. Manca, J. Cogan, R. Robbe, CERN- LHCb-ANA-2011-077

8. Tagged time-dependent angular analysis of $B_s \rightarrow J/\psi\phi$ decays with 337 pb^{-1} at LHCb, R. Aaij, Y. Amhis, A. Bien, T. Brambach, M. Calvi, M. Calvo, P. Clarke, G. Cowan, R. Currie, A. Falabella, V. Fave, C. Fitzpatrick, S. Furcas, M. Grabalosa, S. Hansmann-Menzemer, W. Hulsbergen, G. Krocker, C. Langenbruch, O. Leroy, C. Linn, J. Luisier, E. Maurice, F. Muheim, M. Needham, T. Nikodem, G. Raven, A. Sparkes, S. Stahl, U. Uwer, D. Van Eijk, J. Van Leerdam, S. Vecchi, S. Wandernoth, J. Wishahi, J. von Loeben, Y. Xie, CERN- LHCb-ANA-2011-036
9. Tagged time-dependent angular analysis of $B_s^0 \rightarrow J\psi\phi$ decays with the 2010 LHCb data, R. Aaij, K. Akiba, Y. Amhis, A. Bien, T. Bird, S. Blusk, T. Brambach, M. Calvi, M. Calvo, P. Clarke, G. Cowan, R. Currie, H. Dijkstra, S. Easo, A. Falabella, C. Farinelli, V. Fave, C. Fitzpatrick, S. Furcas, M. Gandelman, M. Grabalosa, S. Hansmann-Menzemer, K. Holubyev, W. Hulsbergen, M. Karbach, B. Khanji, G. Krocker, P. Krokovny, F. Kruse, C. Langenbruch, R. Lefevre, O. Leroy, C. Linn, J. Luisier, E. Maurice, J. Merkel, I. Mous, F. Muheim, B. Muster, M. Musy, T. Nakada, M. Needham, T. Nikodem, G. Raven, E. Rodrigues, F. Rodrigues, O. Schneider, B. Spaan, A. Sparkes, B. Souza de Paula, S. Stahl, U. Uwer, D. van Eijk, J. van Leerdam, S. Vecchi, S. Wandernoth, J. Wishahi, Y. Xie, CERN-LHCb-ANA-2011-006
10. Measurement of the $pp \rightarrow \Upsilon \rightarrow \mu^+\mu^-$ cross-section at $\sqrt{s}=7 \text{ TeV}$ at LHCb, G. Manca, J. Cogan, P. Robbe, CERN-LHCb-ANA-2011-012
11. Selections and lifetime measurements for exclusive $b \rightarrow J/\psi X$ decays with $J/\psi \rightarrow \mu^+\mu^-$ with 2010 data, R. Aaij, Y. Amhis, G. Cowan, D. van Eijk, W. Hulsbergen, B. Khanji, R. Lefevre, O. Leroy, J. Luisier, E. Maurice, B. Muster, T. Nakada, G. Raven, O. Schneider, Y. Xie, CERN-LHCb-ANA-2011-001
12. Angular analysis of $B^0 \rightarrow K^{*0}\mu^+\mu^-$ at LHCb with 1 fb^{-1} , T. Blake, E. Ben-Haim, M. De Cian, U. Egede, J. Lefrançois, C. Parkinson, M. Patel, F. Polci, C. Salzmann, A. Satta, M. H. Schune, J. Serrano, N. Serra, A. Shires, CERN-LHCb-ANA-2011-089
13. Letter of Intent for the LHCb Upgrade, R. Aaij, C. Abellan Beteta, B. Adeva, M. Adinol, C. Adrover, A. Aolder, Z. Ajaltouni, J. Albrecht, F. Alessio, M. Alexander, P. Alvarez Cartelle, A.A. Alves Jr, S. Amato, Y. Amhis, J. Amoraal, J. Anderson, R.B. Appleby, O. Aquines Gutierrez, L. Arrabito, M. Artuso, E. Aslanides, G. Auriemma, S. Bachmann, D.S. Bailey, V. Balagura, W. Baldini, R.J. Barlow, C. Barschel, S. Barsuk, A. Bates, C. Bauer, Th. Bauer, A. Bay, I. Bediaga, C. Beigbeder-Beau, K. Belous, I. Belyaev, E. Ben-Haim, M. Benayoun, G. Bencivenni, R. Bernet, M.-O. Bettler, M. van Beuzekom, A. Bien, S. Bifani, A. Bizzeti, P.M. Bjørnstad, T. Blake, F. Blanc, C. Blanks, J. Blouw, S. Blusk, A. Bobrov, V. Bocci, B. Bochun, A. Bondar, N. Bondar, W. Bonivento, S. Borghi, A. Borgia, E. Bos, T.J.V. Bowcock, C. Bozzi, T. Brambach, J. van den Brand, J. Bressieux, D. Breton, M. Britsch, T. Britton, N.H. Brook, H. Brown, A. Büchler-Germann, A. Bursche, J. Buytaert, T. Caceres, J.-P. Cachemiche, S. Cadeddu, J.M. Caicedo Carvajal, O. Callot, M. Calvi, M. Calvo Gomez,

A. Camboni, P. Campana, M. Campbell, A. Carbone, G. Carboni, R. Cardinale, A. Cardini, L. Carson, K. Carvalho Akiba, G. Casse, L. Castillo Garcia, M. Cattaneo, M. Charles, D. Charlet, Ph. Charpentier, N. Chiapolini, X. Cid Vidal, P.J. Clark, P.E.L. Clarke, M. Clemencic, H.V. Cli, J. Closier, C. Coca, V. Coco, J. Cogan, P. Collins, F. Constantin, G. Conti, A. Contu, M. Coombes, G. Corti, G.A. Cowan, R. Currie, B. D'Almagne, C. D'Ambrosio, W. Da Silva, P. David, I. De Bonis, S. De Capua, M. De Cian, F. De Lorenzi, J.M. De Miranda, L. De Paula, P. De Simone, D. Decamp, M. Deckenho, H. Degaudenzi, M. Deissenroth, L. Del Buono, C. Deplano, O. Deschamps, F. Dettori, J. Dickens, H. Dijkstra, M. Dima, P. Diniz Batista, S. Donleavy, D. Dossett, A. Dovbnya, O. Duarte, R. Dumps, F. Dupertuis, P.-Y. Duval, R. Dzhelyadin, C. Eames, S. Easo, U. Egede, V. Egorychev, S. Eidelman, D. van Eijk, F. Eisele, S. Eisenhardt, R. Ekelhof, L. Eklund, Ch. Elsasser, D.G. d'Enterria, D. Esperante Pereira, L. Estève, A. Falabella, E. Fanchini, C. Färber, G. Fardell, C. Farinelli, S. Farry, V. Fave, V. Fernandez Albor, M. Ferro-Luzzi, S. Filippov, C. Fitzpatrick, F. Fontanelli, J. Fopma, R. Forty, M. Frank, C. Frei, M. Frosini, S. Furcas, A. Gallas Torreira, D. Galli, M. Gandelman, P. Gandini, R. Gao, Y. Gao, J-C. Garnier, J. Garofoli, L. Garrido, D. Gascon Fora, C. Gaspar, N. Gauvin, M. Gersabeck, T. Gershon, Ph. Ghez, A. Giachero, V. Gibson, V.V. Gligorov, C. Göbel, V. Golovtsov, D. Golubkov, A. Golutvin, A. Gomes, H. Gordon, C. Gotti, M. Grabalosa Gandara, R. Graciani Diaz, L.A. Granado Cardoso, E. Graugés, G. Graziani, A. Grecu, S. Gregson, B. Gui, E. Gushchin, Yu. Guz, Z. Guzik, T. Gys, F. Hachon, G. Haefeli, S.C. Haines, T. Hampson, S. Hansmann-Menzemer, R. Harji, N. Harnew, P.F. Harrison, J. He, V. Heijne, K. Hennessy, P. Henrard, J.A. Hernando Morata, E. van Herwijnen, A. Hicheur, E. Hicks, W. Hofmann, K. Holubyev, P. Hopchev, W. Hulsbergen, P. Hunt, T. Huse, R.S. Huston, D. Hutchcroft, D. Hynds, V. Iakovenko, P. Ilten, J. Imong, R. Jacobsson, M. Jahjah Hussein, E. Jans, F. Jansen, P. Jatou, B. Jean-Marie, J. Jeglot, F. Jing, M. John, D. Johnson, C.R. Jones, B. Jost, F. Kapusta, M. Karacson, T.M. Karbach, J. Keaveney, U. Kerzel, T. Ketel, A. Keune, B. Khanji, Y.M. Kim, M. Knecht, S. Koblitz, A. Konoplyannikov, P. Koppenburg, A. Kozlinskiy, L. Kravchuk, M. Kreps, G. Krocker, P. Krokovny, F. Kruse, K. Kruzelecki, M. Kucharczyk, S. Kukulak, R. Kumar, T. Kvaratskheliya, V.N. La Thi, D. Lacarrere, G. Laerty, A. Lai, R.W. Lambert, G. Lanfranchi, C. Langenbruch, T. Latham, R. Le Gac, J. van Leerdam, J.-P. Lees, R. Lefèvre, A. Leat, J. Lefrançois, O. Leroy, T. Lesiak, L. Li, Y.Y. Li, L. Li Gioi, M. Lieng, M. Liles, R. Lindner, C. Linn, B. Liu, G. Liu, X. Llopert Cudie, J.H. Lopes, E. Lopez Asamar, N. Lopez-March, J. Luisier, B. M'charek, F. Machefer, I.V. Machikhilian, F. Maciuc, O. Maev, J. Magnin, A. Maier, S. Malde, R.M.D. Mamunur, G. Manca, G. Mancinelli, N. Mangiafave, U. Marconi, R. Märki, J. Marks, G. Martellotti, A. Martens, L. Martin, A. Martin Sanchez, D. Martinez Santos, A. Massaerri, Z. Mathe, C. Matteuzzi, M. Matveev, V. Matveev, E. Maurice, B. Maynard, A. Mazurov, G. McGregor, R. McNulty, C. Mclean, M. Meissner, M. Merk, J. Merkel, M. Merkin, R. Messi, S. Miglioranza, D.A. Milanese, M.-N. Minard, S. Monteil, D. Moran, P. Morawski, J.V. Morris, R. Mountain, I. Mous, F. Muheim, K. Müller, R. Muresan, F. Murtas, B. Muryn, M. Musy, J. Mylroie-Smith, P. Naik, T. Nakada, R. Nandakumar, J. Nardulli, A. Nawrot, M. Nedos, M. Needham, N. Neufeld, M. Nicol, S. Nies,

V. Niess, N. Nikitin, A. Nomerotski, A. Oblakowska-Mucha, V. Obraztsov, S. Oggero, O. Okhrimenko, R. Oldeman, M. Orlandea, A. Ostankov, B. Pal, J. Palacios, M. Palutan, J. Panman, A. Papanestis, M. Pappagallo, C. Parkes, C.J. Parkinson, G. Passaleva, G.D. Patel, M. Patel, S.K. Paterson, G.N. Patrick, C. Patrignani, C. Pavel-Nicorescu, A. Pazos Alvarez, A. Pellegrino, G. Penso, M. Pepe Altarelli, S. Perazzini, D.L. Perego, E. Perez Trigo, A. Pérez-Calero Yzquierdo, P. Perret, G. Pessina, A. Petrolini, E. Picatoste Olloqui, B. Pie Valls, D. Piedigrossi, B. Pietrzyk, D. Pinci, R. Plackett, S. Playfer, M. Plo Casasus, T. Poikela, G. Polok, A. Poluektov, E. Polycarpo, D. Popov, B. Popovici, C. Potterat, A. Powell, T. du Pree, V. Pugatch, A. Puig Navarro, W. Qian, J.H. Rademacker, B. Rakotomiamanana, I. Raniuk, G. Raven, S. Redford, W. Reece, A.C. dos Reis, F. Rethore, S. Ricciardi, K. Rinnert, D.A. Roa Romero, P. Robbe, E. Rodrigues, F. Rodrigues, C. Rodriguez Cobo, P. Rodriguez Perez, G.J. Rogers, V. Romanovsky, J. Rouvinet, L. Roy, T. Ruf, H. Ruiz, G. Sabatino, J.J. Saborido Silva, N. Sagidova, P. Sail, B. Saitta, C. Salzmann, A. Sambade Varela, M. San-nino, R. Santacesaria, R. Santinelli, E. Santovetti, M. Sapunov, A. Sarti, C. Satriano, A. Satta, M. Savrie, D. Savrina, P. Schaack, M. Schiller, S. Schleich, M. Schmelling, B. Schmidt, O. Schneider, A. Schopper, M.-H. Schune, R. Schwemmer, A. Sciubba, M. Seco, A. Semennikov, K. Senderowska, N. Serra, J. Serrano, B. Shao, M. Shapkin, I. Shapoval, P. Shatalov, Y. Shcheglov, T. Shears, L. Shekhtman, O. Shevchenko, V. Shevchenko, A. Shires, E. Simioni, H.P. Skottowe, T. Skwarnicki, A.C. Smith, K. Sobczak, F.J.P. Soler, A. Solomin, P. Somogy, F. Soomro, B. Souza De Paula, B. Spaan, A. Sparkes, E. Spiridenkov, P. Spradlin, F. Stagni, O. Steinkamp, O. Stenyakin, S. Stoica, S. Stone, B. Storaci, U. Straumann, N. Styles, S. Swientek, M. Szczekowski, P. Szczypka, T. Szumlak, S. T’Jampens, V. Talanov, E. Teodor-escu, F. Teubert, C. Thomas, E. Thomas, J. van Tilburg, V. Tisserand, M. Tobin, S. Topp-Joergensen, M.T. Tran, A. Tsaregorodtsev, N. Tuning, A. Ukleja, P. Urquijo, U. Uwer, V. Vagnoni, G. Valenti, R. Vazquez Gomez, P. Vazquez Regueiro, S. Vecchi, J.J. Velthuis, M. Veltri, K. Vervink, B. Viaud, I. Videau, X. Vilasis-Cardona, J. Visniakov, S. Volkov, A. Vollhardt, D. Voong, A. Vorobyev, An. Vorobyev, H. Voss, K. Wacker, S. Wandernoth, J. Wang, D.R. Ward, A.D. Webber, M. Whitehead, D. Wiedner, L. Wiggers, G. Wilkinson, M.P. Williams, M. Williams, F.F. Wilson, J. Wishahi, M. Witek, W. Witzeling, S.A. Wotton, K. Wyllie, Y. Xie, F. Xing, Z. Yang, G. Ybeles Smit, R. Young, O. Yushchenko, M. Zavertyaev, L. Zhang, W.C. Zhang, Y. Zhang, A. Zhelezov, L. Zhong, CERN-LHCC-2011-001, LHCC-I-018

14. Optimization and calibration of the Same Side Kaon tagging algorithm using hadronic B_S^0 decays in 2011 data, G. Krocker, S. Hansmann-Menzemer, M. Calvi, M. Calvo, M. Grabalosa, E. Maurice, T. Nikodem, S. Vecchi, S. Wandernoth, LHCb-ANA-2011-103

2010

1. Updated measurement of the J/ψ production cross-section in LHCb, J. Albrecht, J. Bressieux, G. Carboni, J. Cogan, S. de Capua, M. Frosini, Y. Gao, J. He, G. Lanfranchi, R. Le Gac, B. Liu, G. Manca, M. Needham, M. Palutan, G. Passaleva, M. Pepe-Altarelli, W. Qian, P. Robbe, G. Sabatino,

E. Santovetti, A. Sarti, O. Schneider, J. Serrano, Y. Zhang, CERN-LHCb-ANA-2010-012

2. Measurement of the J/ψ production cross-section in LHCb (Summer Conferences 2010), J. Albrecht, J. Bressieux, G. Carboni, J. Cogan, M. Frosini, Y. Gao, J. He, G. Lanfranchi, R. Le Gac, B. Liu, G. Manca, M. Needham, M. Palutan, G. Passaleva, M. Pepe-Altarelli, W. Qian, P. Robbe, G. Sabatino, A. Sarti, J. Serrano, CERN-LHCb-ANA-2010-004
3. Road map for selected key measurements from LHCb, B. Adeva, M. Adinolfi, A. Affolder, Z. Ajaltouni, J. Albrecht, F. Alessio, M. Alexander, P. Alvarez Cartelle, A. A. Alves, S. Amato, Y. Amhis, J. Amoraal, J. Anderson, O. Aquines Gutierrez, L. Arrabito, M. Artuso, E. Aslanides, G. Auriemma, S. Bachmann, Y. Bagaturia, D. S. Bailey, V. Balagura, W. Baldini, M. Barandela Pazos, R. J. Barlow, S. Barsuk, A. Bates, C. Bauer, T. Bauer, A. Bay, I. Bediaga, K. Belous, I. Belyaev, M. Benayoun, G. Bencivenni, R. Bernet, M. O. Bettler, A. Bizzeti, T. Blake, F. Blanc, C. Blanks, J. Blouw, S. Blusk, A. Bobrov, V. Bocci, A. Bondar, N. Bondar, W. Bonivento, S. Borghi, A. Borgia, E. Bos, T. J. Bowcock, C. Bozzi, J. Bressieux, S. Brisbane, M. Britsch, N. H. Brook, H. Brown, A. Büchler-Germann, J. Buytaert, J.-P. Cacheriche, S. Cadeddu, J. M. Caicedo Carvajal, O. Callot, M. Calvi, M. Calvo Gomez, A. Camboni, W. Cameron, P. Campana, A. Carbone, G. Carboni, A. Cardini, L. Carson, K. Carvalho Akiba, G. Casse, M. Cattaneo, M. Charles, P. Charpentier, A. Chlopik, P. Ciambriano, X. Cid Vidal, P. J. Clark, P. E. Clarke, M. Clemencic, H. V. Cliff, J. Closier, C. Coca, V. Coco, J. Cogan, P. Collins, F. Constantin, G. Conti, A. Contu, G. Corti, G. A. Cowan, B. D'Almagne, C. D'Ambrosio, D. G. D'Enterria, W. Da Silva, P. David, I. De Bonis, S. De Capua, M. De Cian, F. De Lorenzi, J. M. De Miranda, L. De Paula, P. De Simone, H. De Vries, D. Decamp, H. Degaudenzi, M. Deissenroth, L. Del Buono, C. Deplano, O. Deschamps, F. Dettori, J. Dickens, H. Dijkstra, M. Dima, S. Donleavy, A. C. Dos Reis, A. Dovbnya, T. Du Pree, P.-Y. Duval, L. Dwyer, R. Dzhelyadin, C. Eames, S. Easo, U. Egede, V. Egorychev, F. Eisele, S. Eisenhardt, L. Eklund, D. Esperante Pereira, L. Estève, S. Eydelman, E. Fanchini, C. Farber, G. Fardell, C. Farinelli, S. Farry, V. Fave, V. Fernandez Albor, M. Ferro-Luzzi, S. Filippov, C. Fitzpatrick, F. Fontanelli, R. Forty, M. Frank, C. Frei, M. Frosini, J. L. Fungueirino Pazos, S. Furcas, A. Gallas Torreira, D. Galli, M. Gandelman, Y. Gao, J. Garnier, L. Garrido, C. Gaspar, N. Gauvin, M. Gersabeck, T. Gershon, P. Ghez, V. Gibson, Y. Gilitsky, V. V. Gligorov, C. Göbel, D. Golubkov, A. Golutvin, A. Gomes, M. Grabalosa Gándara, R. Graciani Diaz, L. A. Granado Cardoso, E. Graugés, G. Graziani, A. Grecu, G. Guerter, E. Gushchin, Y. Guz, Z. Guzik, T. Gys, F. Hachon, G. Haefeli, S. C. Haines, T. Hampson, S. Hansmann-Menzemer, R. Harji, N. Harnew, P. F. Harrison, J. He, K. Hennessy, P. Henrard, J. A. Hernandez Morata, A. Hicheur, E. Hicks, W. Hofmann, K. Holubyev, P. Hopchev, W. Hulsbergen, P. Hunt, T. Huse, R. S. Huston, D. Hutchcroft, V. Iakovenko, C. Iglesias Escudero, J. Imong, R. Jacobsson, M. Jahjah Hussein, E. Jans, F. Jansen, P. Jaton, B. Jean-Marie, M. John, C. R. Jones, B. Jost, F. Kapusta, T. M. Karbach, J. Keaveney, U. Kerzel, T. Ketel, A. Keune, S. Khalil, B. Khanji, Y. M. Kim, M. Knecht, J. Knopf, S. Koblit, A. Konoplyannikov, P. Koppenburg, I. Korolko, A. Kozlinskiy, M. Krasowski,

L. Kravchuk, P. Krokovny, K. Kruzelecki, M. Kucharczyk, I. Kudryashov, T. Kvaratskheliya, D. Lacarrere, A. Lai, R. W. Lambert, G. Lanfranchi, C. Langenbruch, T. Latham, R. Le Gac, R. Lefevre, A. Leflat, J. Lefran, Cois, O. Leroy, K. Lessnoff, L. Li, Y. Y. Li, J. Libby, M. Lieng, R. Lindner, S. Lindsey, C. Linn, B. Liu, G. Liu, J. H. Lopes, E. Lopez Asamar, J. Luisier, F. Machefert, I. Machikhiliyan, F. Maciuc, O. Maev, J. Magnin, A. Maier, R. M. Mamunur, G. Manca, G. Mancinelli, N. Mangiafave, U. Marconi, F. Marin, J. Marks, G. Martellotti, A. Martens, L. Martin, D. Martinez Santos, Z. Mathe, C. Matteuzzi, V. Matveev, A. Mazurov, G. Mcgregor, B. Mcharek, C. Mclean, R. McNulty, M. Merk, J. Merkel, M. Merkin, R. Messi, F. C. Metlica, J. Michalowski, S. Miglioranzi, M.-N. Minard, S. Monteil, D. Moran, J. V. Morris, R. Mountain, I. Mous, F. Muheim, R. Muresan, F. Murtas, B. Muryn, M. Musy, J. Mylroie-Smith, P. Naik, T. Nakada, R. Nandakumar, J. Nardulli, Z. Natkaniec, M. Nedos, M. Needham, N. Neufeld, L. Nicolas, S. Nies, V. Niess, N. Nikitin, A. Noor, A. Oblakowska- Mucha, V. Obraztsov, S. Oggero, O. Okhrimenko, R. Oldeman, M. Orlandea, A. Ostankov, J. Palacios, M. Palutan, J. Panman, A. Papadelis, A. Papanestis, M. Pappagallo, C. Parkes, G. Passaleva, G. D. Patel, M. Patel, S. K. Paterson, G. N. Patrick, E. Pauna, C. Pauna (Chiojdeanu), C. Pavel (Nicorescu), A. Pazos Alvarez, A. Pellegrino, G. Penso, M. Pepe Altarelli, S. Perazzini, D. L. Perego, A. Pérez-Calero Yzquierdo, E. Perez Trigo, P. Perret, G. Pessina, A. Petrella, A. Petrolini, B. Pietrzyk, D. Pinci, S. Playfer, M. Plo Casasus, G. Polok, A. Poluektov, E. Polycarpo, D. Popov, B. Popovici, S. Poss, C. Potterat, A. Powell, S. Pozzi, V. Pugatch, A. Puig Navarro, W. Qian, J. H. Rademacker, B. Rakotomiaramananana, I. Raniuk, G. Raven, S. Redford, W. Reece, S. Ricciardi, K. Rinnert, P. Robbe, E. Rodrigues, F. Rodrigues, C. Rodriguez Cobo, P. Rodriguez Perez, G. J. Rogers, V. Romanovsky, G. Rospabe, T. Ruf, H. Ruiz, G. Sabatino, J. J. Saborido Silva, N. Sagidova, B. Saitta, C. Salzmann, A. Sambade Varela, M. Sannino, R. Santacesaria, R. Santinelli, E. Santovetti, M. Sapunov, A. Sarti, C. Satriano, A. Satta, M. Savrie, D. Savrina, P. Schaack, M. Schiller, S. Schleich, M. Schmelling, B. Schmidt, O. Schneider, A. Schopper, M.-H. Schune, R. Schwemmer, A. Sciubba, M. Seco, A. Semennikov, K. Senderowska, N. Serra, J. Serrano, B. Shao, M. Shapkin, I. Shapoval, P. Shatalov, Y. Shcheglov, T. Shears, L. Shekhtman, V. Shevchenko, E. Simioni, H. P. Skottowe, T. Skwarnicki, A. C. Smith, K. Sobczak, F. J. Soler, A. Solomin, P. Somogy, F. Soomro, B. Souza De Paula, B. Spaan, A. Sparkes, E. Spiridenkov, P. Spradlin, F. Stagni, O. Steinkamp, S. Stoica, S. Stone, U. Straumann, N. Styles, K. Syrczynski, M. Szczekowski, P. Szczypka, T. Szumlak, S. T'Jampens, H. Terrier, F. Teubert, C. Thomas, E. Thomas, M. Tobin, S. Topp-Joergensen, M. T. Tran, S. Traynor, A. Tsaregorodtsev, N. Tuning, A. Ukleja, O. Ullaland, U. Uwer, V. Vagnoni, G. Valenti, M. Van Beuzekom, J. Van Den Brand, D. Van Eijk, E. Van Herwijnen, A. Van Lysebetten, J. Van Tilburg, R. Vazquez Gomez, P. Vazquez Regueiro, S. Vecchi, J. J. Velthuis, M. Veltri, K. Vervink, B. Viaud, I. Videau, X. Vilasis-Cardona, A. Vollhardt, A. Vorobyev, A. Vorobyev, H. Voss, K. Wacker, S. Wandernoth, J. Wang, D. R. Ward, D. Websdale, M. Whitehead, D. Wiedner, L. Wiggers, G. Wilkinson, M. Williams, F. F. Wilson, M. Witek, W. Witzeling, S. A. Wotton, K. Wyllie, Y. Xie, F. Xing, Z. Yang, G. Ybeles Smit, R. Young, O. Yushchenko, L. Zhang, Y. Zhang, A. Zhelezov, N. Zwahlen, CERN- LHCb-PUB-2009-029

mémoire

2015

1. Rare dileptonic $B_0(s)$ meson decays at LHCb, A. Mordà, Aix Marseille Université, 28 Sep 2015
2. Analyse du canal $B_s^0 \rightarrow J/\psi \bar{k}^{*0}$ et contraintes sur les processus pingouins dans les désintégrations $B_s^0 \rightarrow J/\psi \phi$ auprès du détecteur LHCb, W. Kanso, Aix Marseille Université, 29 Sep 2015

2013

1. Searches for B meson decays to purely leptonic final states, M. Perrin-Terrin, Aix Marseille Université, 23 Sep 2013

2012

1. Mesure de la violation de CP dans les désintégrations $B_S^0 \rightarrow J/\psi \phi$, auprès du détecteur LHCb, E. Maurice, Aix Marseille Université, 18 Jui 2012
2. Towards the first $B(B_{(s)}^0 \rightarrow \mu^+ \mu^-)$ measurements with the LHCb detector, C. Adrover Pacheco, Aix Marseille Université, 10 Sep 2012

2011

1. Beam, background and luminosity monitoring in LHCb and upgrade of the LHCb fast readout control, F. Alessio, Université de la Méditerranée Aix-Marseille II, 21 Jun 2011
2. Search for New Physics in the $B_s^0 \rightarrow J/\psi \phi$ decay channel at LHCb, B. Khanji, Université de la Méditerranée Aix- Marseille II, 16 Sep 2011