

Most Significant Publications

Colin Philip Jessop

1. "Precision Measurement of $B \rightarrow X_s \gamma$ Decays,"
The BaBar Collaboration, B. Aubert *et al.*
In preparation for submission to Phys. Rev D. spring 2010. 15pp
2. "Performance and Operation of the CMS Electromagnetic Calorimeter,"
The CMS Collaboration.
JINST **5**, T03010 (2010) 39pp
3. "The CMS Barrel Calorimeter Response To Particle Beams From 2-GeV/C To 350-GeV/C,"
The CMS Collaboration.
Eur. Phys. J. C **60**, 359-373 (2009).
4. "Measurement of Branching Fractions and CP and Isospin Asymmetries in $B \rightarrow K^*(892)\gamma$ Decays,"
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. Lett. **103**, 211802 (2009) 7pp
5. "The CMS experiment at the CERN LHC,"
The CMS Collaboration.
JINST **0803**, S08004 (2008) 361pp
6. "Measurement of the $B \rightarrow X_s \gamma$ Branching Fraction and Photon Energy Spectrum using the Recoil Method,"
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. D **77**, 051103 (2008) 9pp
7. "Measurements of Branching Fractions for $B^+ \rightarrow \rho^+ \gamma$, $B^0 \rightarrow \rho^0 \gamma$, and $B^0 \rightarrow \omega \gamma$,"
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. D **78**, 112001 (2008) 11pp
8. "Measurement of the Branching Fraction of $B \rightarrow \rho \gamma$ and $B \rightarrow \omega \gamma$ "
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. Lett. **98**, 151802 (2007) 7pp
9. "Measurement of the Branching Fraction and Photon Energy Moments of $B \rightarrow X_s \gamma$ and $A_{CP}(B \rightarrow X_{s+d} \gamma)$ "
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. Lett. **97**, 171803 (2006) 8pp hep-ex/0607071,0207076,0507001
10. "Measurement of V_{ub} from lepton endpoint spectrum in $B \rightarrow X_u l \nu$ "
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. D **72**, 012006 (2006) 19pp
11. "Search for the radiative penguin decays $B^+ \rightarrow \rho^+ \gamma$, $B^0 \rightarrow \rho^0 \gamma$, and $B^0 \rightarrow \omega \gamma$,"
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. Lett. **94**, 011801 (2005) 7pp
12. "Search for the rare decay $\bar{B}^0 \rightarrow D^{*0} \gamma$,"
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. D **72**, 051106 (2005) 7pp
13. "Measurements of the $B \rightarrow X_s \gamma$ branching fraction and photon spectrum from a sum of exclusive final states,"
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. D **72**, 052004 (2005) 16pp

14. "Search for the radiative decays $B \rightarrow \rho\gamma$ and $B \rightarrow \omega\gamma$,"
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. Lett. **94**, 111801 (2004) 7pp
15. "Measurement of branching fractions, and CP and isospin asymmetries, for $B \rightarrow K^*\gamma$,"
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. D **70**, 112006 (2004) 7pp
16. "Measurement of the direct CP asymmetry in $b \rightarrow s\gamma$ decays,"
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. Lett. **93**, 021804 (2004) 7pp
17. "Measurement of the $B^0 \rightarrow K_2^*(1430)\gamma$ and $B^+ \rightarrow K_2^*(1430)\gamma$ branching fractions,"
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. D **70**, 091105 (2004) 17pp
18. "Measurement of $B \rightarrow K^*\gamma$ Branching Fractions and Charge Asymmetries."
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. Lett. **88**, 101805 (2002). 8pp
19. "The BaBar Detector."
The BaBar Collaboration, B. Aubert *et al.*
Nucl. Instrum. Methods **479**, 1-116 (2002).
20. "Search for $B^0 \rightarrow \gamma\gamma$."
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. Lett. **87**, 241803 (2001). 8pp
21. "Measurements of the Branching Fractions of Exclusive Charmless B Meson Decays with eta-prime or Omega mesons."
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. Lett. **87**, 221802 (2001). 8pp
22. "Measurement of CP Violating Asymmetries in B^0 Decays to CP Eigenstates."
The BaBar Collaboration, B. Aubert *et al.*
Phys. Rev. Lett. **86**, 2515-2522 (2001).
23. "Study of Exclusive Radiative B Meson Decays."
The CLEO Collaboration, S. Ahmed *et al.*
Phys. Rev. Lett. **84**, 5283-5287 (2000.)
24. "First Search for CP Violation in Tau Lepton Decay."
The CLEO Collaboration, S. Ahmed *et al.*
Phys. Rev. Lett. **81**, 3823-3827 (1998)
25. Evidence for Top Quark production in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV at the Collider Detector at Fermilab
The CDF Collaboration, F. Abe *et al.*
Phys. Rev. Lett. **73**, 225-231 (1994)
26. Evidence for Top Quark production in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV at the Collider Detector at Fermilab
The CDF Collaboration, F. Abe *et al.*
Phys. Rev. D **50**, 2966-3026 (1994)
27. Search for the Top Quark decaying to Charged Higgs in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV at the Collider Detector at Fermilab
The CDF Collaboration, F. Abe *et al.*
Phys. Rev. Lett. **72**, 1977-1981 (1994)