

## David Sanders' Publications

As of May 17, 2005

### Publications where David Sanders was Primary Author<sup>1</sup>

1. D. A. Sanders, L. M. Cremaldi, V. Eschenburg, R. Godang, M. D. Joy, D. J. Summers and D. L. Petravick, "Multi-terabyte EIDE disk arrays running Linux RAID5," arXiv:physics/0411188.
2. D. A. Sanders *et al.*, "Terabyte IDE RAID-5 disk arrays," eConf **C0303241**, TUDT004 (2003) [arXiv:physics/0306037].
3. D. A. Sanders, L. M. Cremaldi, V. Eschenburg, C. N. Lawrence, C. Riley, D. J. Summers and D. L. Petravick, "Redundant arrays of IDE drives," IEEE Trans. Nucl. Sci. **49**, 1834 (2002) [arXiv:hep-ex/0112003].
4. D. A. Sanders *et al.* [Fermilab E791 Collaboration], "Rare and forbidden decays of D mesons," arXiv:hep-ex/0105028.
5. E. M. Aitala *et al.* [E791 Collaboration], "Search for rare and forbidden charm meson decays  $D^0 \rightarrow V\ell^+\ell^-$  and  $hh\ell\ell$ ," Phys. Rev. Lett. **86**, 3969 (2001) [arXiv:hep-ex/0011077].
6. D. A. Sanders [E791 Collaboration], "Review of recent searches for rare and forbidden dilepton decays of charmed mesons," Mod. Phys. Lett. A **15**, 1399 (2000) [arXiv:hep-ex/0009027].
7. D. Sanders, C. Riley, L. Cremaldi, D. Summers and D. Petravick, "Working with arrays of inexpensive EIDE disk drives," arXiv:hep-ex/9912067.
8. E. M. Aitala *et al.* [E791 Collaboration], "Search for rare and forbidden dilepton decays of the  $D^+$ ,  $D_s^+$ , and  $D^0$  charmed mesons," Phys. Lett. B **462**, 401 (1999) [arXiv:hep-ex/9906045].
9. D. A. Sanders [E791 Collaboration], "Recent results from Fermilab charm experiment E791," arXiv:hep-ex/9903067.
10. D. Adams *et al.* [Spin Muon Collaboration], "A large streamer chamber muon tracking detector in a high-flux fixed-target application," Nucl. Instrum. Meth. A **435**, 354 (1999).
11. M. J. Balbes *et al.*, "Evaluation of the WIPP site for the supernova neutrino burst observatory," Nucl. Instrum. Meth. A **399**, 269 (1997).
12. D. B. Cline, D. A. Sanders and W. Hong, "Further evidence for gamma ray bursts consistent with primordial black hole evaporation," Astrophys. J. **486**, 169 (1997).
13. D. B. Cline, S. Otwinowski and D. A. Sanders, "Study of the very short time structure in three BATSE events using TTE data," AIP Conf. Proc. **384**, 33 (1996).
14. D. Hungerford *et al.*, "Operation Of Limited Streamer Mode Production Line Chambers With Nonflammable Gases," Nucl. Instrum. Meth. A **286**, 155 (1990).

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<sup>1</sup>or made a major contribution to the analysis

## Journal Publications

15. B. Aubert *et al.* [BABAR Collaboration], “Limit on the  $B^0 \rightarrow \rho^0 \rho^0$  branching fraction and implications for the CKM angle  $\alpha$ ,” Phys. Rev. Lett. **94**, 131801 (2005) [arXiv:hep-ex/0412067].
16. B. Aubert *et al.* [BABAR Collaboration], “Measurement of branching fractions and charge asymmetries for exclusive B decays to charmonium,” Phys. Rev. Lett. **94**, 141801 (2005) [arXiv:hep-ex/0412062].
17. B. Aubert *et al.* [BaBar Collaboration], “Search for a charged partner of the  $\chi(3872)$  in the B meson decay  $B \rightarrow \chi^- K, \chi^- \rightarrow J/\psi \pi^- \pi^0$ ,” Phys. Rev. D **71**, 031501 (2005) [arXiv:hep-ex/0412051].
18. B. Aubert *et al.* [BABAR Collaboration], “Measurement of the ratio  $B(B^- \rightarrow D^{*0} K^-)/B(B^- \rightarrow D^{*0} \pi^-)$  and of the  $CP$  asymmetry of  $B^- \rightarrow D^{*0}(CP+)K^-$  decays,” Phys. Rev. D **71**, 031102 (2005) [arXiv:hep-ex/0411091].
19. B. Aubert *et al.* [BABAR Collaboration], “A Search for the decay  $B^+ \rightarrow K^+ \nu \bar{\nu}$ ,” Phys. Rev. Lett. **94**, 101801 (2005) [arXiv:hep-ex/0411061].
20. B. Aubert *et al.* [BABAR Collaboration], “Measurements of B meson decays to  $\omega K^*$  and  $\omega \rho$ ,” Phys. Rev. D **71**, 031103 (2005) [arXiv:hep-ex/0411054].
21. B. Aubert *et al.* [BABAR Collaboration], “Ambiguity-free measurement of  $\cos(2\beta)$ : Time-integrated and time-dependent angular analyses of  $B \rightarrow J/\psi K \pi$ ,” Phys. Rev. D **71**, 032005 (2005) [arXiv:hep-ex/0411016].
22. B. Aubert *et al.* [BABAR Collaboration], “Improved measurement of  $CP$  asymmetries in  $B^0 \rightarrow (c\bar{c})K^{*0}$  decays,” Phys. Rev. Lett. **94**, 161803 (2005) [arXiv:hep-ex/0408127].
23. T. Rohe *et al.*, “Position dependence of charge collection in prototype sensors for the CMS pixel detector,” IEEE Trans. Nucl. Sci. **51**, 1150 (2004).
24. B. Aubert *et al.* [BABAR Collaboration], “Measurement of the branching fractions for inclusive  $B^-$  and  $\bar{B}^0$  decays to flavor-tagged  $D, D_s$  and  $\lambda_c$ ,” Phys. Rev. D **70**, 091106 (2004) [arXiv:hep-ex/0408113].
25. B. Aubert *et al.* [BABAR Collaboration], “Search for  $D^0 - \bar{D}^0$  mixing using semileptonic decay modes,” Phys. Rev. D **70**, 091102 (2004) [arXiv:hep-ex/0408066].
26. B. Aubert *et al.* [BABAR Collaboration], “Study of  $e^+e^- \rightarrow \pi^+\pi^-\pi^0$  process using initial state radiation with BaBar,” Phys. Rev. D **70**, 072004 (2004) [arXiv:hep-ex/0408078].
27. B. Aubert *et al.* [BABAR Collaboration], “Measurement of neutral B decay branching fractions to  $K_S^0 \pi^+ \pi^-$  final states,” Phys. Rev. D **70**, 091103 (2004) [arXiv:hep-ex/0408054].
28. B. Aubert *et al.* [BABAR Collaboration], “Study of  $B \rightarrow D_{sJ}^{(*)+} \bar{D}^{(*)}$  decays,” Phys. Rev. Lett. **93**, 181801 (2004) [arXiv:hep-ex/0408041].
29. B. Aubert *et al.* [BABAR Collaboration], “Search for the radiative penguin decays  $B^+ \rightarrow \rho^+ \gamma, B^0 \rightarrow \rho^0 \gamma$ , and  $B^0 \rightarrow \omega \gamma$ ,” Phys. Rev. Lett. **94**, 011801 (2005) [arXiv:hep-ex/0408034].

30. B. Aubert *et al.* [BABAR Collaboration], “Search for flavor-changing neutral current and lepton flavor violating decays of  $D^0 \rightarrow \ell^+ \ell^-$ ,” Phys. Rev. Lett. **93**, 191801 (2004) [arXiv:hep-ex/0408023].
31. B. Aubert *et al.* [BABAR Collaboration], “Search for the decay  $B^0 \rightarrow J/\psi \gamma$ ,” Phys. Rev. D **70**, 091104 (2004) [arXiv:hep-ex/0408018].
32. B. Aubert *et al.* [BABAR Collaboration], “Measurement of the  $B^0 \rightarrow \phi K^0$  decay amplitudes,” Phys. Rev. Lett. **93**, 231804 (2004) [arXiv:hep-ex/0408017].
33. B. Aubert *et al.* [BaBar Collaboration], “Observation of direct  $CP$  violation in  $B^0 \rightarrow K^+ \pi^-$  decays,” Phys. Rev. Lett. **93**, 131801 (2004) [arXiv:hep-ex/0407057].
34. B. Aubert *et al.* [BABAR Collaboration], “Search for B-meson decays to two-body final states with  $a_0(980)$  mesons,” Phys. Rev. D **70**, 111102 (2004) [arXiv:hep-ex/0407013].
35. B. Aubert *et al.* [BABAR Collaboration], “Measurement of branching fractions, and  $CP$  and isospin asymmetries, for  $B \rightarrow K^* \gamma$ ,” Phys. Rev. D **70**, 112006 (2004) [arXiv:hep-ex/0407003].
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37. B. Aubert *et al.* [BABAR Collaboration], “Branching fractions and  $CP$  asymmetries in  $B^0 \rightarrow K^+ K^- K_S^0$  and  $B^+ \rightarrow K^+ K_S^0 K_S^0$ ,” Phys. Rev. Lett. **93**, 181805 (2004) [arXiv:hep-ex/0406005].
38. B. Aubert *et al.* [BABAR Collaboration], “Measurement of time-dependent  $CP$ -violating asymmetries in  $B^0 \rightarrow K^{*0} \gamma$  ( $K^{*0} \rightarrow K_S^0 \pi^0$ ) decays,” Phys. Rev. Lett. **93**, 201801 (2004) [arXiv:hep-ex/0405082].
39. B. Aubert *et al.* [BABAR Collaboration], “Search for  $B^0$  decays to invisible final states and to  $\nu \bar{\nu} \gamma$ ,” Phys. Rev. Lett. **93**, 091802 (2004) [arXiv:hep-ex/0405071].
40. B. Aubert *et al.* [BABAR Collaboration], “Study of the decay  $B^0$  ( $\bar{B}^0$ )  $\rightarrow \rho^+ \rho^-$ , and constraints on the CKM angle  $\alpha$ ,” Phys. Rev. Lett. **93**, 231801 (2004) [arXiv:hep-ex/0404029].
41. B. Aubert *et al.* [BABAR Collaboration], “Determination of the branching fraction for  $B \rightarrow \chi_c \ell \nu$  decays and of  $|V(\text{cb})|$  from hadronic mass and lepton energy moments,” Phys. Rev. Lett. **93**, 011803 (2004) [arXiv:hep-ex/0404017].
42. B. Aubert *et al.* [BABAR Collaboration], “Measurement of the  $B \rightarrow \chi_s \ell^+ \ell^-$  branching fraction with a sum over exclusive modes,” Phys. Rev. Lett. **93**, 081802 (2004) [arXiv:hep-ex/0404006].
43. B. Aubert *et al.* [BABAR Collaboration], “Measurement of the ratio of decay amplitudes for  $\bar{B}^0 \rightarrow J/\psi K^{*0}$  and  $B^0 \rightarrow J/\psi K^{*0}$ ,” Phys. Rev. Lett. **93**, 081801 (2004) [arXiv:hep-ex/0404005].
44. B. Aubert *et al.* [BABAR Collaboration], “Searches for  $B^0$  decays to combinations of charmless isoscalar mesons,” Phys. Rev. Lett. **93**, 181806 (2004) [arXiv:hep-ex/0403046].

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51. B. Aubert *et al.* [BaBar Collaboration], “Search for the decay  $B^0 \rightarrow p\bar{p}$ ,” Phys. Rev. D **69**, 091503 (2004) [arXiv:hep-ex/0403003].
52. B. Aubert *et al.* [BABAR Collaboration], “Limits on the decay rate difference of neutral-B mesons and on  $CP$ ,  $T$ , and  $CPT$  violation in  $B^0\bar{B}^0$  oscillations,” Phys. Rev. D **70**, 012007 (2004) [arXiv:hep-ex/0403002].
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57. B. Aubert *et al.* [BABAR Collaboration], “Measurement of the  $B^+/B^0$  production ratio from the  $\Upsilon(4S)$  meson using  $B^+ \rightarrow J/\psi K^+$  and  $B^0 \rightarrow J/\psi K_S^0$  decays,” Phys. Rev. D **69**, 071101 (2004) [arXiv:hep-ex/0401028].
58. B. Aubert *et al.* [BABAR Collaboration], “Study of high momentum  $\eta'$  production in  $B \rightarrow \eta'\chi_s$ ,” Phys. Rev. Lett. **93**, 061801 (2004) [arXiv:hep-ex/0401006].
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60. B. Aubert *et al.* [BABAR Collaboration], “Measurements of branching fractions and  $CP$ -violating asymmetries in  $B$  meson decays to charmless two-body states containing a  $K^0$ ,” Phys. Rev. Lett. **92**, 201802 (2004) [arXiv:hep-ex/0312055].
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70. B. Aubert *et al.* [BABAR Collaboration], “Observation of a narrow meson decaying to  $D_s^+ \pi^0 \gamma$  at a mass of 2.458-GeV/ $c^2$ ,” Phys. Rev. D **69**, 031101 (2004) [arXiv:hep-ex/0310050].
71. B. Aubert *et al.* [BABAR Collaboration], “Measurement of time-dependent  $CP$  asymmetries and constraints on  $\sin(2\beta + \gamma)$  with partial reconstruction of  $B^0 \rightarrow D^{*\mp} \pi^\pm$  decays,” Phys. Rev. Lett. **92**, 251802 (2004) [arXiv:hep-ex/0310037].
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79. B. Aubert *et al.* [BABAR Collaboration], “Evidence for the rare decay  $B \rightarrow K^*\ell^+\ell^-$  and measurement of the  $B \rightarrow K\ell^+\ell^-$  branching fraction,” Phys. Rev. Lett. **91**, 221802 (2003) [arXiv:hep-ex/0308042].
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81. Dorokhov:2003if A. Dorokhov *et al.*, “Tests of silicon sensors for the CMS pixel detector,” Nucl. Instrum. Meth. A **530**, 71 (2004) [arXiv:physics/0311050].
82. B. Aubert *et al.* [BABAR Collaboration], “Measurement of time dependent  $CP$  asymmetry in  $B^0 \rightarrow D^{(*)\mp}\pi^\pm$  decays and constraints on  $|\sin(2\beta + \gamma)|$ ,” Phys. Rev. Lett. **92**, 251801 (2004) [arXiv:hep-ex/0308018].
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