

PUBLICATIONS - Principal or Co-principal Author

(List of all publications follows separately)

Richard J. Van Kooten

Non-refereed publications indicated by a † symbol.

P59. † (One of primary authors, calculated world average B hadron lifetimes, lifetime differences, mixing, and CP properties B_s^0 system)

Averages of b-hadron and c-hadron Properties at the End of 2007.

E. Barberio *et al.* [Heavy Flavor Averaging Group (HFAG)], arXiv:0808.1297 [hep-ex].

P58. **Measurement of the Lifetime of the B_c^\pm Meson in the Semileptonic Decay Channel.**

V. M. Abazov *et al.*, submitted to *Phys. Rev. Lett.*, arXiv:0805.2614 [hep-ex].

P57. † R. Van Kooten, **Spectroscopy of Hadrons with b Quarks.**

R. Van Kooten, Proceedings of the Flavor Physics and CP Violation Conference (FPCP08), Taipei, Taiwan, May 2008; arXiv:0810.2050 [hep-ex].

P56. **Measurement of the B_s^0 Semileptonic Branching Ratio to an Orbitally Excited D_s^{**} State, $Br(B_s^0 \rightarrow D_{s1}(2536)\mu + \nu X)$.**

V. M. Abazov *et al.*, accepted by *Phys. Rev. Lett.*, arXiv:0712.3789, Fermilab-Pub-07/659-E.

P55. **Direct observation of the strange b baryon Ξ_b^- .**

V. M. Abazov *et al.*, *Phys. Rev. Lett.* **99**, 052001 (2007); arXiv:0706.1690, Fermilab-Pub-07/196-E.

Pxx.: As DØ Physics Coordinator, guided publications #393 – 442 on following pages to submission and/or acceptance.

P54. † (One of primary authors, calculated world average B hadron lifetimes, lifetime differences, mixing, and CP properties B_s^0 system) **Averages of b -hadron properties at the end of 2006.**

E. Barberio *et al.* [Heavy Flavor Averaging Group (HFAG) Collaboration], arXiv:0704.3575 [hep-ex].

P53. † **LC scintillator-based muon detector tail-catcher R&D.**

R. Abrams, R. Van Kooten *et al.*, Fermilab-Conf-07-589-E.

P52. **First Direct Limits on B_s^0 Oscillation Frequency.**

V. M. Abazov *et al.*, *Phys. Rev. Lett.* **97**, 021802 (2006); hep-ex/0603029, FERMI-Pub-06/055-E.

P51. † (One of primary authors, calculated world average B hadron lifetimes, lifetime differences)

Averages of b -hadron properties at the end of 2005.

Heavy Flavor Averaging Group (HFAG)(K. Anikeev *et al.*), hep-ex/0603003, March 2006.

P50. §**Measurement of B_d Mixing Using Opposite-side Flavor Tagging.**

V. M. Abazov *et al.*, *Phys. Rev. D* **74**, 112002 (2006); hep-ex/0609034; Fermilab-Pub-06/341-E.

P49. † **B_s^0 decays and B hadron leptonic decays.**

Proceedings of the 4th Flavor Physics and CP Violation Conference (FPCP 2006), Vancouver, BC, Canada, 9–12 Apr. 2006, hep-ex/0606005.

P48. † **GLD Detector Outline Document: Version 1.2.**

GLD Concept Study Group (K. Abe *et al.*), physics/0607154.

P47. (B publications 357, 358, 359, 360, 370, 383, 384, “shepherded” as DØ B physics co-convener)

P46. † (One of primary authors, calculated world average B hadron lifetimes, lifetime differences)

Averages of b -hadron properties as of winter 2005.

Heavy Flavor Averaging Group (HFAG), hep-ex/0505100, May 2005.

P45. **Observation and Properties of the $X(3872)$ Decaying to $J/\psi\pi^+\pi^-$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.** V.M. Abazov *et al.*, *Phys. Rev. Lett.* **93** (2004) 162004; hep-ex/0405004, Fermilab-Pub-04/061-E.

- P44. † (Calculated and supplied world average B hadron lifetimes and accompanying text)
Averages of b -hadron properties as of summer 2004.
Heavy Flavor Averaging Group, hep-ex/0412073.
- P43. **Scintillating Fibers as an Intermediate Tracker and Bunch Timing at a Linear Collider.**
Transactions of the IEEE Nuclear Science Instrumentation Symposium, 17–22 Oct. 2003.
- P42. **Higgs Physics at the Linear Collider.**
John F. Gunion, Howard E. Haber, Rick Van Kooten. UCD-02-18, Jan 2003. 97pp., published in "Linear Collider Physics in the New Millennium," edited by K. Fujii, D. Miller and A. Soni (World Scientific), e-Print Archive: hep-ph/0301023.
- P41. † **Status of D0 for B Physics.**
R. Van Kooten for the D0 Collaboration, Proceedings of Flavor Physics and CP Violation (FPCP), Philadelphia, Pennsylvania, 16-18 May 2002. e-Print Archive: hep-ex/0207096.
- P40. **A Search for the Scalar Top Quark in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV.**
The DØ Collab., V.M. Abazov *et al.*, *Phys. Rev. Lett.* **88** (2002) 171802, e-Print Archive: hep-ex/0108018.
- P39. † **Mini-review of North American Higgs physics activities.**
Proceedings of International Workshop on Linear Colliders (LCWS 2002), Jeju Island, Korea, 26-30 Aug. 2002.
- P38. † **B Physics at the Tevatron: Run II and Beyond.**
K. Anikeev *et al.*, SLAC-REPRINT-2001-056, FERMILAB-PUB-01-197, Dec 2001, e-Print Archive: hep-ph/0201071.
- P37. **Linear Collider Physics Resource Book for Snowmass 2001.**
American Linear Collider Working Group (T. Abe *et al.*). SLAC-R-570, FERMILAB-PUB-01-058-E, May 2001. 436pp, e-print Archive: hep-ex/01060551 (co-author of Higgs Physics chapter).
- P36. **Cosmic Ray Tests of the DØ Preshower Detector.**
P. Baringer *et al.*, *Nucl. Instr. and Meth.* **A469** (2001) 295.
- P35. † **The Case for a 500 GeV e^+e^- Linear Collider.** American Linear Collider Working Group, J. Bagger *et al.*, SLAC-PUB-8495, BNL-67545, FERMILAB-PUB-00-152, LBNL-46299, UCRL-ID-139524, LBL-46299, Jul 2000, e-Print Archive: hep-ex/0007022.
- P34. **Search for Chargino and neutralino Production at $\sqrt{s} = 189$ GeV at LEP**
The OPAL Collab., G. Abbiendi *et al.*, *Eur. Phys. J.* **C14** (2000) 187.
- P33. † **b Quark Physics from OPAL.**
Published in Proceedings of the Workshop on Physics with a high luminosity polarized electron ion collider (EPIC '99), p. 362. IUCF, Bloomington, IN.
- P32. † **Measurement of the b -Baryon Polarization in Z Decays.**
Published in Proceedings of the 29th International Conference in High Energy Physics (ICHEP '98), World Scientific (1999), p. 1229.
- P31. **Search for Chargino and Neutralino Production at $\sqrt{s} = 181$ – 184 GeV at LEP.**
The OPAL Collab., G. Abbiendi *et al.*, *Eur. Phys. J.* **C8** (1999) 255.
- P30. **Measurement of the Average Polarization of b Baryons in Hadronic Z^0 Decay.**
The OPAL Collab., G. Abbiendi *et al.*, *Phys. Lett.* **B444** (1998) 539.
- P29. **Search for an Excess in the Production of Four-Jet Events from e^+e^- Collisions at $\sqrt{s} = 130$ – 184 GeV.** The OPAL Collab., K. Ackerstaff *et al.*, *Phys. Lett.* **B429** (1998) 399.
- P28. **Search for Chargino and Neutralino Production at $\sqrt{s} = 170$ and 172 GeV at LEP.**
The OPAL Collab., K. Ackerstaff *et al.*, *Eur. Phys. J.* **C2** (1998) 213.

- P27. **The Extended OPAL Silicon Strip Microvertex Detector.** S. Anderson, J.R. Batley, G.A. Beck, T. Behnke, M. Bobinski, A.A. Carter, J.R. Carter, S.J. de Jong, U.C. Dunwoody, V. Gibson, W. Glessing, M.J. Goodrick, E. Gross, R. Hammarstrom, G.G. Hanson, M. Hapke, A.K. Honma, F. Jacob, M. Jiminez, C.R. Jones, P. Jovanovic, T. Junk, P. Kyberd, J.A. Lauber, A.J. Martin, A. McNab, R. Mir, K. Muhlemann, T.W. Pritchard, D.R. Rust, **R. Van Kooten**, *Nucl. Instr. and Meth.* **A403** (1998) 326.
- P26. † **Weakly Coupled Higgs Bosons and Precision Electroweak Physics.** Howard E. Haber (UC, Santa Cruz), Tao Han (UC, Davis), Frank S. Merritt (Chicago U.), John Womersley (Fermilab), U. Baur (SUNY, Buffalo), M. Demarteau (Fermilab), C. Kao (Wisconsin U., Madison), P.C. Rowson (SLAC), J.F. Gunion (UC, Davis), **R. Van Kooten** (Indiana U.), L. Poggioli (CERN), SCIPP-97-03, published in *New Directions for High Energy Physics: Proceedings of the 1996 DPF/DPB Summer Study on High-Energy Physics (Snowmass 96)* (SLAC 1997), e-print Archive: hep-ph/9703391.
- P25. † **Higgs Boson Discovery and Properties.** J.F. Gunion, L. Poggioli, and **R. Van Kooten**, UCD-97-5 published in *New Directions for High Energy Physics: Proceedings of the 1996 DPF/DPB Summer Study on High-Energy Physics (Snowmass 96)* (SLAC 1997), e-print Archive: hep-ph/9703330.
- P24. **Search for Charged Scalar Leptons Using the OPAL Detector at $\sqrt{s} = 161$ GeV.** The OPAL Collab., K.Ackerstaff *et al.*, *Phys. Lett.* **B396** (1997) 301.
- P23. **Searches for Supersymmetric Particles and Anomalous Four-Jet Production at $\sqrt{s} = 130$ and 136 GeV at LEP.** The OPAL Collab., G. Alexander *et al.*, *Z. Phys.* **C73** (1997) 201.
- P22. **Bounding CPT Violation in the Neutral B System.** V. Alan Kostelecky and **R. Van Kooten**, *Phys. Rev.* **D54** (1996) 5585.
- P21. **Search for Chargino and Neutralino Production in e^+e^- Collisions at $\sqrt{s} = 161$ GeV.** The OPAL Collab., K. Ackerstaff *et al.*, *Phys. Lett.* **B389** (1996) 616.
- P20. † **Physics and Technology of the Next Linear Collider**, S. Kuhlman *et al.* (authored section *Higgs Boson Searches and Properties* with P.C. Rowson), A Report Submitted to Snowmass '96, SLAC Report 485, Fermilab-PUB-96/112.
- P19. **Search for Chargino and Neutralino Production Using the OPAL Detector at $\sqrt{s} = 130-136$ GeV at LEP.** The OPAL Collab., G. Alexander *et al.*, *Phys. Lett.* **B377** (1996) 181.
- P18. † **Lifetimes and Mixing of Beauty Hadrons.** Published in Proceedings of *Physics in Collision 15*, 8-10 June 1995, Cracow, Poland, ed. M. Rózańska and K. Rybicki (World Scientific, 1996), ISBN: 981-02-2587
- P17. † **Physics at LEP2**, eds. G. Altarelli, T. Sjöstrand, and F. Zwirner, contributions to chapter *New Particle Searches*, CERN Yellow Report CERN 96-01.
- P16. † **Physics and Experiments with Linear Colliders, LCWS95**, eds. A. Miyamoto, Y. Fujii, T. Matsui, and S. Iwata, contribution *Higgs Physics at e^+e^- Linear Colliders: Experimental*, World Scientific (1996), ISBN: 981-02-2701-9.
- P15. **Measurement of the Average b -Baryon Lifetime and the Product Branching Ratio $f(b \rightarrow \Lambda_b) \cdot BR(\Lambda_b \rightarrow \Lambda \ell^- \bar{\nu} X)$.** The OPAL Collab., R. Akers *et al.*, *Z. Phys.* **C69** (1995) 195.
- P14. **A Measurement of the Average Lifetime of b -flavoured Baryons.** The OPAL Collab., R. Akers *et al.*, *Phys. Lett.* **B316** (1993) 435.
- P13. † **Lifetimes of Exclusive Beauty States at LEP.** Published in Proceedings of Results and Perspectives in Particle Physics, 7-13 March 1993, La Thuile, Italy, ed. M. Greco (Editions Frontieres, 1993), p.259
- P12. **Measurement of $\Gamma(Z^0 \rightarrow b\bar{b})/\Gamma(Z^0 \rightarrow \text{hadrons})$ Using Leptons.** The OPAL Collab., P. Acton *et al.*, *Z. Phys.* **C58** (1993) 523.
- P11. **The Detector Simulation for the OPAL Experiment at LEP.**

J. Allison *et al.*, *Nucl. Instr. and Meth.* **A317** (1992) 47.

P10. † Performance of the OPAL Jet Chamber.

Presented at the 1992 Wirechamber Conference Vienna, Austria, 17-21 February 1992.

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P9. A Measurement of Electron Production in Hadronic Z^0 Decays and a

Determination of $\Gamma(Z^0 \rightarrow b\bar{b})$. The OPAL Collab., P. Acton *et al.*, *Z. Phys.* **C55** (1992) 191.

P8. † The Third Family at LEP.

Presented at the XI International Conference on Physics in Collision, Colmar, France, June 20-22, 1991.

Published in *Physics in Collision 11*, eds. J. Brom *et al.*, Edition Frontieres, France (1991) p. 175.

P7. † Searches for New Particles Produced in Z Boson Decay.

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Presented at 15th APS Div. of Particle and Fields General Mtg., Houston, TX, Jan 3-6, 1990.

Published in Proceedings of the Rice Meeting, 1990 Mtg. of the Division of Particles and Fields, eds. B. Bonner and H. Miettinen (World Scientific 1990).

P6. † Searches for New Quarks and Leptons in Z Boson Decays.

R. Van Kooten (SLAC & Stanford U., Phys. Dept.)

SLAC-Report-367, UMI-91-02366, Ph.D. Thesis, June 1990.

P5. Search for Long-lived Massive Neutrinos in Z Decays.

The MARK II Collab., C.K. Jung, **R. Van Kooten**, *et al.*, *Phys. Rev. Lett.* **64** (1990) 1091.

P4. Searches for New Quarks and Leptons Produced in Z Boson Decay.

The MARK II Collab., G.S. Abrams *et al.*, *Phys. Rev. Lett.* **63** (1989) 2447.

P3. Particle Identification using dE/dx in the Mark II Detector at the SLC.

A. Boyarski, D. Coupal, G.J. Feldman, G. Hanson, J. Nash, K.F. O'Shaughnessy, P. Rankin, **R. Van Kooten** (SLAC), Presented at 5th Int. Wire Chamber Conf., Vienna, Austria, Feb 13-17, 1989.

Published in *Nucl. Instr. and Meth.* **A283** (1989) 617.

P2. † Opportunities and Requirements for Experimentation at a Very High-Energy e^+e^- Collider.

By Changrim Ahn, T. Barklow, D.L. Burke, A.R. Cooper, Claudio Dib, G.J. Feldman, T. Himel, Sachio Komamiya, Michael E. Peskin, A. Petersen, **R. Van Kooten** (SLAC), P. Burchat, Howard E. Haber (UC, Santa Cruz), J.F. Gunion (UC, Davis), B.W. Lynn (Stanford U., Phys. Dept.). Published in report SLAC-0329, May 1988.

P1. † Searching for Fourth Generation Fermions at High-Energy e^+e^- Machines.

J. Dorfan and **R. Van Kooten**, Presented at 1st Int. Symp. on the 4th Family of Quarks and Leptons, Santa Monica, CA, Feb 26-28, 1987.

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PUBLICATIONS

Richard J. Van Kooten

Principal or Co-principal author on publications marked with a § symbol.

Non-refereed publications indicated by a † symbol. “to be published in” = “accepted”.

507. **Evidence for Decay $B_s^0 \rightarrow D_s^{(*)} D_s^{(*)}$ and a Measurement of $\Delta\Gamma_s^{CP}/\Gamma_s$.**
V. M. Abazov *et al.* [DØ Collaboration], submitted to *Phys. Rev. Lett.*, arXiv:0811.2173 [hep-ex].
506. **Search for the Lightest Scalar Top Quark in Events with Two Leptons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], submitted to *Phys. Lett. B*, arXiv:0811.0459 [hep-ex].
505. **Evidence of $WW + WZ$ Production with Lepton+Jets Final States in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], submitted to *Phys. Rev. Lett.*, arXiv:0810.3873 [hep-ex].
504. **Search for Charged Massive Stable Particles with the DØ Detector.**
V. M. Abazov *et al.* [DØ Collaboration], submitted to *Phys. Rev. Lett.*, arXiv:0809.4472 [hep-ex].
503. § † R. Van Kooten, **Spectroscopy of Hadrons with b Quarks.**
R. Van Kooten, Proceedings of the Flavor Physics and CP Violation Conference (FPCP08), Taipei, Taiwan, May 2008; arXiv:0810.2050 [hep-ex].
502. **Search for Charged Higgs Bosons Decaying to Top and Bottom Quarks in $p\bar{p}$ Collisions.**
V. M. Abazov *et al.* [DØ Collaboration], submitted to *Phys. Rev. Lett.*, arXiv:0807.0859 [hep-ex].
501. § **Measurement of the Lifetime of the B_c^\pm Meson in the Semileptonic Decay Channel.**
V. M. Abazov *et al.* [DØ Collaboration], submitted to *Phys. Rev. Lett.*, arXiv.org:0805.2614 [hep-ex].
500. **Relative Rates of B Meson Decays into $\psi(2S)$ and J/ψ .**
V. M. Abazov *et al.* [DØ Collaboration], submitted to *Phys. Rev. D*, arXiv:0805.2576 [hep-ex].
499. § **Measurement of the B_s^0 Semileptonic Branching Ratio to an Orbitally Excited D_s^{**} State, $Br(B_s^0 \rightarrow D_{s1}(2536)\mu + \nu X)$.**
V. M. Abazov *et al.* [DØ Collaboration], accepted by *Phys. Rev. Lett.*, arXiv:0712.3789 [hep-ex], Fermilab-Pub-07/659-E.
498. **Search for Neutral Higgs Bosons at High $\tan\beta$ in the $b(h/H/A) \rightarrow b\tau^+\tau^-$ Channel.**
V. M. Abazov *et al.* [DØ Collaboration], accepted by *Phys. Rev. Lett.*, arXiv:0811.0024 [hep-ex].
497. **Measurement of the Angular and Lifetime Parameters of the Decays $B_d^0 \rightarrow J/\psi K^{*0}$ and $B_s^0 \rightarrow J/\psi\phi$.**
V. M. Abazov *et al.* [DØ Collaboration], accepted by *Phys. Rev. Lett.*, arXiv:0810.0037 [hep-ex].
496. **Search for Large Extra Spatial Dimensions in the Dielectron and Diphoton Channels in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], accepted by *Phys. Rev. Lett.*, arXiv:0809.2813 [hep-ex].
495. **Search for a Scalar or Vector Particle Decaying into $Z\gamma$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
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494. **Search for Associated W and Higgs Boson Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], accepted by *Phys. Rev. Lett.*, arXiv:0808.1970 [hep-ex].
493. **Search for the Standard Model Higgs Boson in the Missing Energy and Acoplanar b-Jet Topology at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 251802 (2008); arXiv:0808.1266 [hep-ex].

492. **Search for Pair Production of Second Generation Scalar Leptoquarks.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Lett. B* **671**, 224 (2009); arXiv:0808.4023 [hep-ex].
491. **Search for Third Generation Scalar Leptoquarks Decaying into τb .**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 241802 (2008); arXiv:0806.3527 [hep-ex].
490. **Measurement of the B_s^0 Mixing Parameters from the Flavor-Tagged Decay $B_s^0 \rightarrow J/\psi\phi$.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 241801 (2008); arXiv.org:0802.2255 [hep-ex].
489. **Observation of the Doubly Strange b Baryon Ω_b^- .**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 232002 (2008); arXiv:0808.4142 [hep-ex].
488. **Search for Neutral Higgs Bosons in Multi-b-Jet Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 221802 (2008); arXiv:0805.3556 [hep-ex].
487. **Search for Anomalous Wtb Couplings in Single Top Quark Production.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 221801 (2008); arXiv.org:0807.1692 [hep-ex].
486. **Measurement of the Electron Charge Asymmetry in $p\bar{p} \rightarrow W+X \rightarrow e\nu+X$ at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 211801 (2008); arXiv:0807.3367 [hep-ex].
485. § † (One of primary authors, calculated world average B hadron lifetimes, lifetime differences, mixing, and CP properties B_s^0 system)
Averages of b-hadron and c-hadron Properties at the End of 2007.
E. Barberio *et al.* [Heavy Flavor Averaging Group (HFAG)], arXiv:0808.1297 [hep-ex].
484. **Measurement of $(p\bar{p} \rightarrow Z+X) \cdot Br(Z \rightarrow \tau^+\tau^-)$ at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Lett. B* **670**, 292 (2008); arXiv:0808.1306 [hep-ex].
483. **Measurement of the Forward-Backward Charge Asymmetry and Extraction of $\sin^2\theta_{eff}^W$ in $p\bar{p} \rightarrow Z/\gamma^* + X \rightarrow e^+e^- + X$ Events Produced at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 191801 (2008); arXiv:0804.3220 [hep-ex].
482. **Measurement of the Polarization of the $\Upsilon(1S)$ and $\Upsilon(2S)$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 182004 (2008); arXiv:0804.2799 [hep-ex].
481. **Precise Measurement of the Top-Quark Mass from Lepton+Jets Events.**
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480. **Observation of ZZ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
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479. **Measurement of Differential $Z/\gamma^* + \text{jet} + X$ Cross Sections in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Lett. B* **669**, 278 (2008); arXiv:0808.1296 [hep-ex].
478. **$ZZ \rightarrow \ell^+\ell^-\nu\bar{\nu}$ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. D* **78**, 072002 (2008); arXiv:0808.0269 [hep-ex].
477. **Search for Scalar Leptoquarks and T-odd Quarks in the Acoplanar Jet Topology using 2.5 fb^{-1} of $p\bar{p}$ Collision Data at $\sqrt{s} = 1.96$ TeV**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Lett. B* **668**, 357 (2008); arXiv:0808.0446 [hep-ex].
476. **Search for Long-Lived Particles Decaying into Electron or Photon Pairs with the DØ Detector.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 111802 (2008); arXiv:0806.2223 [hep-ex].
475. **Search for $t\bar{t}$ Resonances in the Lepton Plus Jets Final State in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Lett. B* **668**, 98 (2008); arXiv:0804.3664 [hep-ex].

474. **Search for Higgs Bosons Decaying to Tau Pairs in $p\bar{p}$ Collisions with the DØ Detector.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 071804 (2008); arXiv:0805.2491 [hep-ex].
473. **Search for Pair Production of Doubly Charged Higgs Bosons in the $H^{++}H^{--} \rightarrow \mu^+\mu^-\mu^+\mu^-$ Final State.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 071803 (2008); arXiv:0803.1534 [hep-ex].
472. **Measurement of the Inclusive Jet Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 062001 (2008); arXiv:0802.2259 [hep-ex].
471. **Measurement of the Differential Cross Section for the Production of an Isolated Photon with Associated Jet in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Lett. B* **666**, 435 (2008); arXiv:0804.1107 [hep-ex].
470. **Search for Decay of a Fermiophobic Higgs Boson $h_f \rightarrow \gamma\gamma$ with the DØ Detector at $\sqrt{s} = 1.96$ TeV.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 051801 (2008); arXiv:0803.1514 [hep-ex].
469. **Evidence for Production of Single Top Quarks.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. D* **78**, 012005 (2008); arXiv:0803.0739 [hep-ex].
468. **Measurement of the Ratio of the $p\bar{p} \rightarrow W + c$ -jet Cross Section to the Inclusive $p\bar{p} \rightarrow W +$ jets Cross Section.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Lett. B* **666**, 23 (2008); arXiv:0802.2400 [hep-ex].
467. **Observation of the B_c Meson in the Exclusive Decay $B_c \rightarrow J/\psi\pi$.**
V. M. Abazov *et al.* [DØ Collaboration], *Phys. Rev. Lett.* **101**, 012001 (2008); arXiv:0802.4258 [hep-ex].
466. **Search for Large Extra Dimensions via Single Photon plus Missing Energy Final States at $\sqrt{s} = 1.96$ TeV.**
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