

V PUBLICATIONS

V.1 Publications and Reports

V. M. Abazov *et al.*, DØ Collaboration:

Measurement of the shape of the boson transverse momentum distribution in $p\bar{p} \rightarrow Z/\gamma^* \rightarrow ee + X$ events produced at $\sqrt{s} = 1.96$ TeV

e-Print: arXiv:0712.0803 [hep-ex] FERMILAB-PUB-07-642-E, (Dec 2007) Submitted to Phys.Rev.Lett.

V. M. Abazov *et al.*, DØ Collaboration:

Search for sneutrino particles in $e + \mu$ final states in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

e-Print: arXiv:0711.3207 [hep-ex] FERMILAB-PUB-07-620-E, (Nov 2007)

V. M. Abazov *et al.*, DØ Collaboration:

Observation and properties of the orbitally excited B_{s2}^* meson.

e-Print: arXiv:0711.0319 [hep-ex] FERMILAB-PUB-07-585-E, (Nov 2007) Submitted to Phys.Rev.Lett.

V. M. Abazov *et al.*, DØ Collaboration:

Search for Randall-Sundrum gravitons with 1 fb^{-1} of data from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

e-Print: arXiv:0710.3338 [hep-ex] FERMILAB-PUB-07-553-E, (Oct 2007)

V. M. Abazov *et al.*, DØ Collaboration:

Search for W' bosons decaying to an electron and a neutrino with the D0 detector.

e-Print: arXiv:0710.2966 [hep-ex] FERMILAB-PUB-07-499-E, (Oct 2007)

V. M. Abazov *et al.*, DØ Collaboration:

Measurement of the muon charge asymmetry from W boson decays.

e-Print: arXiv:0709.4254 [hep-ex] FERMILAB-PUB-07-493-E, (Sep 2007) Submitted to Phys.Rev. D

V. M. Abazov *et al.*, DØ Collaboration:

Measurement of the $p\bar{p} \rightarrow WZ + X$ cross-section at $\sqrt{s} = 1.96$ TeV and limits on WWZ trilinear gauge couplings.

Phys.Rev. **D76** (2007) 111104

V. M. Abazov *et al.*, DØ Collaboration:

Search for flavor-changing-neutral-current D meson decays.

e-Print: arXiv:0708.2094 [hep-ex] FERMILAB-PUB-07-423-E, (Aug 2007) Submitted to Phys.Rev.Lett.

V. M. Abazov *et al.*, DØ Collaboration:

Search for $B_s^0 \rightarrow \mu^+ \mu^-$ at D0.

Phys.Rev. **D76** (2007) 092001

V. M. Abazov *et al.*, DØ Collaboration:

Search for the lightest scalar top quark in events with two leptons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

Phys.Lett. **B659** (2007) 500

V. M. Abazov *et al.*, DØ Collaboration:

Measurement of the Λ_b^0 lifetime using semileptonic decays.

Phys.Rev.Lett. **99** (2007) 182001

V. M. Abazov *et al.*, DØ Collaboration:

Direct observation of the strange b baryon Ξ_b^- .

Phys.Rev.Lett. **99** (2007) 052001

V. M. Abazov *et al.*, DØ Collaboration:

Measurement of the $t\bar{t}$ production cross-section in $p\bar{p}$ collisions using dilepton events.
Phys.Rev. **D76** (2007) 052006

V. M. Abazov *et al.*, DØ Collaboration:

Observation and Properties of $L = 1B_1$ and B_2^* Mesons.
Phys.Rev.Lett. **99** (2007) 172001

V. M. Abazov *et al.*, DØ Collaboration:

Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using kinematic characteristics of lepton + jets events.
Phys.Rev. **D76** (2007) 092007

V. M. Abazov *et al.*, DØ Collaboration:

$Z\gamma$ production and limits on anomalous $ZZ\gamma$ and $Z\gamma\gamma$ couplings in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV.
Phys.Lett. **B653** (2007) 378

V. M. Abazov *et al.*, DØ Collaboration:

Search for third-generation leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV.
Phys.Rev.Lett. **99** (2007) 061801

V. M. Abazov *et al.*, DØ Collaboration:

Search for stopped gluinos from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV.
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V. M. Abazov *et al.*, DØ Collaboration:

Measurement of the Λ_b lifetime in the exclusive decay $\Lambda_b \rightarrow J/\psi\Lambda$.
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V. M. Abazov *et al.*, DØ Collaboration:

Search for a Higgs boson produced in association with a Z boson in $p\bar{p}$ collisions.
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V. M. Abazov *et al.*, DØ Collaboration:

Study of the decay $B_s^0 \rightarrow D_s^{(*)} D_s^{(*)}$
Phys.Rev.Lett. **99** (2007) 241801

V. M. Abazov *et al.*, DØ Collaboration:

Combined D0 measurements constraining the CP-violating phase and width difference in the B_s^0 system.
Phys.Rev. **D76** (2007) 057101

V. M. Abazov *et al.*, DØ Collaboration:

Measurement of the shape of the boson rapidity distribution for $p\bar{p} \rightarrow Z/\gamma^* \rightarrow e^+e^- + X$ events produced at $\sqrt{s}$ of 1.96 TeV.
Phys.Rev. **D76** (2007) 012003

V. M. Abazov *et al.*, DØ Collaboration:

Measurement of the top quark mass in the lepton + jets channel using the Ideogram method.
Phys.Rev. **D75** (2007) 092001

V. M. Abazov *et al.*, DØ Collaboration:

Search for production of single top quarks via flavor-changing neutral currents at the Tevatron.
Phys.Rev.Lett. **99** (2007) 191802

V. M. Abazov *et al.*, DØ Collaboration:

Lifetime difference and CP-violating phase in the B_s^0 system.
Phys.Rev.Lett. **98** (2007) 121801

V. M. Abazov *et al.*, DØ Collaboration:

Measurement of the charge asymmetry in semileptonic B_s decays.
Phys.Rev.Lett. **98** (2007) 151801

V. M. Abazov *et al.*, DØ Collaboration:

Evidence for production of single top quarks and first direct measurement of $|V_{tb}|$.
Phys.Rev.Lett. **98** (2007) 181802

V. M. Abazov *et al.*, DØ Collaboration:

Measurement of the $p\bar{p} \rightarrow t\bar{t}$ production cross section at $\sqrt{s} = 1.96$ TeV in the fully hadronic decay channel
Phys.Rev. **D76** (2007) 072007

V. M. Abazov *et al.*, DØ Collaboration:

Search for techniparticles in $e + \text{jets}$ events at D0.
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V. M. Abazov *et al.*, DØ Collaboration:

Search for single production of scalar leptoquarks in $p\bar{p}$ collisions decaying into muons and quarks with the D0 detector.
Phys.Lett. **B647** (2007) 74

V. M. Abazov *et al.*, DØ Collaboration:

Search for the pair production of scalar top quarks in the acoplanar charm jet topology in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV.
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Measurement of the top quark mass in the dilepton channel.
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Measurement of the W boson helicity in top quark decay at D0.
Phys.Rev. **D75** (2007) 031102

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Experimental discrimination between charge $2e/3$ top quark and charge $4e/3$ exotic quark production scenarios.
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Multivariate searches for single top quark production with the D0 detector.
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G. Abbiendi *et al.*, OPAL Collaboration:

Bose-Einstein study of position-momentum correlations of charged pions in hadronic Z0 decays.

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G. Abbiendi *et al.*, OPAL Collaboration:

Search for Dirac magnetic monopoles in e^+e^- collisions with the OPAL detector at LEP2.

e-Print: arXiv:0707.0404 [hep-ex] CERN-PH-EP-2007-019, (Jul 2007) Submitted to Phys.Lett.B

G. Abbiendi *et al.*, OPAL Collaboration:

Search for invisibly decaying Higgs bosons in $e^+e^- \rightarrow Z^0 h^0$ production at $\sqrt{s} = 183\text{-GeV} - 209\text{-GeV}$.

e-Print: arXiv:0707.0373 [hep-ex] CERN-PH-EP-2007-018, OPAL-PR421, (Jul 2007) Submitted to Phys.Lett.B

G. Abbiendi *et al.*, OPAL Collaboration:

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The COMPASS Experiment at CERN

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Dielectron production in $^{12}\text{C}+^{12}\text{C}$ at 2 AGeV with HADES

Phys.Rev.Lett. **98** (2007) 052302

G. Agakichiev for the HADES-collaboration:

Study of dielectron production in C+C collisions at 1 AGeV

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A new measurement of the Collins and Sivers asymmetries on a transversely polarised target

Nucl.Phys. **B765** (2007) 31

A. Airapetian *et al.*, HERMES Collaboration:

Transverse Polarization of Lambda and anti-Lambda Hyperons in Quasireal Photoproduction.

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M.E. Albrecht, W. Altmannshofer, A.J. Buras, D. Guadagnoli, and D.M. Straub:

Challenging SO(10) SUSY GUTs with family symmetries through FCNC processes

JHEP **10** (2007) 055

M. Alekseev *et al.*, COMPASS Collaboration:

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The Deuteron Spin-dependent Structure Function g_1^d and its First Moment

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Flavor Changing Neutral Current Processes in a SO(10) SUSY GUT with Family Symmetry

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