

Aaron Dominguez
(630)840-2714 FNAL
DADominguez@lbl.gov

Born: 4 July 1969
Citizenship: USA
(630)836-7508 Home

Aaron Dominguez

EDUCATION

- 1998 • PhD Physics, University of California at San Diego
- 1994 • MS Physics, University of California at San Diego
- 1992 • BS Applied Physics, California Institute of Technology
- 1992 • BA Math-Physics, Whitman College

OBJECTIVE

- Tenure-track laboratory position carrying out research in experimental high energy physics.

RESEARCH EXPERIENCE

- 1999-present • **Postdoctoral Fellow at Lawrence Berkeley National Laboratory**
 - Searching for production of neutral MSSM Higgs bosons in CDF RunII data
 - Co-convenor of CDF Higgs analysis group
 - Co-convenor of high-pt b-tagging group
 - Co-convenor of silicon microvertex detector optimization group
 - Responsible for assembly, testing, installation and commissioning of electronics used in silicon detector
- 1998-1999 • **Postdoctoral Research Assistant at UCSD**
 - Co-coordinator of L3 Higgs analysis group
 - Member of LEP Higgs working which performed PDG Higgs search combinations
- 1992-1998 • **Graduate Research Assistant at UCSD**
 - Developed novel, high efficiency/purity b-tag using 3D information from L3's silicon detector
 - Utilized b-tag to search for neutral SM and MSSM Higgs bosons in L3 LEP II data
 - Test-beam for SPAKEBAB lead-scintillating-fiber calorimeter proposed for CMS
 - Worked on calibration system for BaF crystal calorimeter for proposed SSC experiment GEM

REFERENCES

- **Angela Galtieri:** Leader of LBNL's CDF group, LBNL, ABGaltieri@lbl.gov, (510)486-4411
- **Marjorie Shapiro:** Professor of Physics, UC Berkeley, MDShapiro@lbl.gov, (510)486-4683
- **Young-Kee Kim:** Professor of Physics, Univ. Chicago, ykkim@fnal.gov, (630)840-2405
- **Nigel Lockyer:** Professor of Physics, Co-Spokesman of CDF, Univ. Pennsylvania, lockyer@fnal.gov, (630)840-2685
- **James Branson:** Professor of Physics, UC San Diego, branson@ucsd.edu, (858)534-2978

AWARDS, FELLOWSHIPS, GRANTS

- 1996 • R. Hoffstadter Award: Summer School at Ettore Majorana Center, Erice, Italy.
- 1991 • Athlete of the Year: Caltech
- 1990 • 3-2 Engineering Student of the Year: Whitman College

EDUCATIONAL OUTREACH

- 2001-present • Founder and Director of BEST (Bilingual English/Spanish Tutoring) Program, Aurora, IL.

CONFERENCE PRESENTATIONS AND SEMINARS

- 2003 • **University Seminars:** “Prospects for Discovery of Neutral Higgs Bosons in RunII Data,” Univ. Chicago, Nov 24; Univ. New Mexico, Dec 2.
- **Fermilab Joint Experimental-Theoretical Seminar** (Wine & Cheese): “Recent CDF Results,” Fermilab, Aug 8.
- **LBNL DOE Review:** “LBNL/CDF Group Report,” Berkeley, May 28.
- 1999 • **CERN Seminar:** “L3 Higgs Searches at $\sqrt{s}=189\text{-}196\text{ GeV}$,” CERN, Sept 6.
- **SUSY99:** “LEP MSSM Higgs Searches at $\sqrt{s}=189\text{ GeV}$,” Barcelona, June 18.
- **University Seminars:** “Standard Model and MSSM Higgs Searches at L3 LEP II,” Berkeley, June; Univ. Pennsylvania, Mar 5; UC San Diego, Mar 11.
- 1996-1997 • **Intl. Workshop on Quantum Effects in the MSSM:** “Search for R-Parity Violating Sneutrino Exchange and Production of Neutral Higgs Bosons at LEP II,” Barcelona, Sept 1997.
- **APS96:** “Search for Charged Higgs Boson Production in LEP I Data,” Indianapolis, May 1996

PUBLICATIONS

DOCTORAL DISSERTATION

- **Search for Neutral Higgs Bosons in e^+e^- Interactions at Center-of-Mass Energies Between 130 GeV and 183 GeV**, <http://hep.ucsd.edu/thesis/aaron.html>.

SELECTED PUBLICATIONS AS PRINCIPAL AUTHOR

- M. Acciarri *et al.*, “Search for neutral Higgs bosons of the minimal supersymmetric standard model in e^+e^- interactions at $s^{1/2} = 192\text{-}202\text{ GeV}$,” Phys. Lett. B **503**, 21 (2001) [arXiv:hep-ex/0012017].
- M. Acciarri *et al.*, “Search for neutral Higgs bosons of the minimal supersymmetric standard model in e^+e^- interactions at $s^{1/2} = 189\text{ GeV}$,” Phys. Lett. B **471**, 321 (1999) [arXiv:hep-ex/9910053].
- M. Acciarri *et al.*, “Search for charged Higgs bosons in e^+e^- collisions at $s^{1/2} = 189\text{ GeV}$,” Phys. Lett. B **466**, 71 (1999) [arXiv:hep-ex/9909044].

PUBLICATIONS (continued)

- M. Acciarri *et al.*, “Search for standard model Higgs boson in $e^+ e^-$ interactions at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **461**, 376 (1999) [arXiv:hep-ex/9909004].
- M. Acciarri *et al.*, “Search for charged Higgs bosons in $e^+ e^-$ collisions at centre-of-mass energies between 130-GeV and 183-GeV,” Phys. Lett. B **446**, 368 (1999).
- M. Acciarri *et al.*, “Search for neutral Higgs bosons of the minimal supersymmetric standard model in $e^+ e^-$ interactions at $s^{**}(1/2) = 130\text{-GeV}$ to 183-GeV,” Phys. Lett. B **436**, 389 (1998).
- M. Acciarri *et al.*, “Search for the standard model Higgs boson in $e^+ e^-$ interactions at $s^{**}(1/2) = 183\text{-GeV}$,” Phys. Lett. B **431**, 437 (1998).

PUBLICATIONS IN CALORIMETRY

- O. Dubois, O. Ganel, R. Wigmans, W. Brower, A. Dominguez, C. Duba and H. Paar, “Beam Test Results From The Spakebab Electromagnetic Calorimeter,” Nucl. Instrum. Meth. A **368**, 640 (1996).

PUBLICATIONS AS MEMBER OF CDF COLLABORATION

- D. Acosta *et al.*, “Search For Associated Production Of Upsilon And Vector Boson In P Anti-P Collisions At $S^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. Lett. **90**, 221803 (2003).
- D. Acosta *et al.*, “Central pseudorapidity gaps in events with a leading antiproton at the Fermilab Tevatron anti-p p collider,” Phys. Rev. Lett. **91**, 011802 (2003) [arXiv:hep-ex/0303011].
- D. Acosta *et al.*, “Search for the supersymmetric partner of the top quark in dilepton events from p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. Lett. **90**, 251801 (2003) [arXiv:hep-ex/0302009].
- D. Acosta *et al.*, “Cross section for forward J/ psi production in pp collisions at $s = 1.8\text{ TeV}$,” Phys. Rev. D **66**, 092001 (2002).
- D. Acosta *et al.*, “Search for long-lived charged massive particles in anti-p p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. Lett. **90**, 131801 (2003) [arXiv:hep-ex/0211064].
- D. Acosta *et al.*, “Search for a W' boson decaying to a top and bottom quark pair in 1.8-TeV p anti-p collisions. ((B)),” Phys. Rev. Lett. **90**, 081802 (2003) [arXiv:hep-ex/0209030].
- D. Acosta *et al.*, “Search for radiative b-hadron decays in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$. ((C)),” Phys. Rev. D **66**, 112002 (2002) [arXiv:hep-ex/0208035].
- D. Acosta *et al.*, “Momentum distribution of charged particles in jets in dijet events in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ and comparisons to perturbative QCD predictions,” Phys. Rev. D **68**, 012003 (2003).
- D. Acosta *et al.*, “Measurement of the ratio of b quark production cross sections in anti-p p collisions at $s^{**}(1/2) = 630\text{-GeV}$ and $s^{**}(1/2) = 1800\text{-GeV}$,” Phys. Rev. D **66**, 032002 (2002) [arXiv:hep-ex/0206019].
- D. Acosta *et al.*, “Branching ratio measurements of exclusive B^+ decays to charmonium with the Collider Detector at Fermilab,” Phys. Rev. D **66**, 052005 (2002).
- D. Acosta *et al.*, “Limits on extra dimensions and new particle production in the exclusive photon and missing energy signature in p anti-p collisions $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. Lett. **89**, 281801 (2002) [arXiv:hep-ex/0205057].
- D. Acosta *et al.*, “Measurement of B meson lifetimes using fully reconstructed B decays produced in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. D **65**, 092009 (2002).
- D. Acosta *et al.*, “Search for new physics in photon lepton events in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. Lett. **89**, 041802 (2002) [arXiv:hep-ex/0202044].
- D. Acosta *et al.*, “Upsilon production and polarization in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. Lett. **88**, 161802 (2002).
- D. Acosta *et al.*, “Comparison of the isolated direct photon cross sections in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ and $s^{**}(1/2) = 0.63\text{-TeV}$,” Phys. Rev. D **65**, 112003 (2002) [arXiv:hep-ex/0201004].
- D. Acosta *et al.*, “Soft and hard interactions in p anti-p collisions at $s^{**}(1/2) = 1800\text{-GeV}$ and 630-GeV,” Phys. Rev. D **65**, 072005 (2002).
- D. Acosta *et al.*, “Measurement of the B^+ total cross section and B^+ differential cross section $d\sigma/dp(T)$ in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. D **65**, 052005 (2002) [arXiv:hep-ph/0111359].

PUBLICATIONS (continued)

- D. Acosta *et al.*, “Search for single top quark production in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. D **65**, 091102 (2002) [arXiv:hep-ex/0110067].
- D. Acosta *et al.*, “Search for the decay $B/s \rightarrow \mu^+ \mu^- \Phi$ in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. D **65**, 111101 (2002).
- T. Affolder *et al.*, “Charged jet evolution and the underlying event in proton anti-proton collisions at 1.8-TeV,” Phys. Rev. D **65**, 092002 (2002).
- D. Acosta *et al.*, “Search for new physics in photon lepton events in proton antiproton collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. D **66**, 012004 (2002) [arXiv:hep-ex/0110015].
- T. Affolder *et al.*, “Diffractive dijet production at $s^{**}(1/2) = 630\text{-GeV}$ and 1800-GeV at the Fermilab Tevatron,” Phys. Rev. Lett. **88**, 151802 (2002) [arXiv:hep-ex/0109025].
- D. Acosta *et al.*, “Study of the heavy flavor content of jets produced in association with W bosons in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. D **65**, 052007 (2002) [arXiv:hep-ex/0109012].
- T. Affolder *et al.*, “Measurement of the strong coupling constant from inclusive jet production at the Tevatron anti-p p collider,” Phys. Rev. Lett. **88**, 042001 (2002) [arXiv:hep-ex/0108034].
- T. Affolder *et al.*, “A study of $B^0 \rightarrow J/\psi K^{*0} \pi^+ \pi^-$ decays with the Collider Detector at Fermilab,” Phys. Rev. Lett. **88**, 071801 (2002) [arXiv:hep-ex/0108022].
- T. Affolder *et al.*, “Search for new heavy particles in the W Z0 final state in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. Lett. **88**, 071806 (2002) [arXiv:hep-ex/0108004].
- T. Affolder *et al.*, “Observation of diffractive J/psi production at the Fermilab Tevatron,” Phys. Rev. Lett. **87**, 241802 (2001) [arXiv:hep-ex/0107071].
- T. Affolder *et al.*, “Double diffraction dissociation at the Fermilab Tevatron collider,” Phys. Rev. Lett. **87**, 141802 (2001) [arXiv:hep-ex/0107070].
- T. Affolder *et al.*, “Charged particle multiplicity in jets in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. Lett. **87**, 211804 (2001).
- T. Affolder *et al.*, “Search for quark lepton compositeness and a heavy W’ boson using the e nu channel in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. Lett. **87**, 231803 (2001) [arXiv:hep-ex/0107008].
- T. Affolder *et al.*, “Searches for new physics in events with a photon and b-quark jet at CDF,” Phys. Rev. D **65**, 052006 (2002) [arXiv:hep-ex/0106012].
- T. Affolder *et al.*, “Search for gluinos and squarks using like-sign dileptons in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. Lett. **87**, 251803 (2001) [arXiv:hep-ex/0106061].
- T. Affolder *et al.*, “Measurement of $d(\sigma)/dM$ and forward-backward charge asymmetry for high mass Drell-Yan $e^+ e^-$ pairs from p anti-p collisions at 1.8-TeV,” Phys. Rev. Lett. **87**, 131802 (2001) [arXiv:hep-ex/0106047].
- T. Affolder *et al.*, “Cross section and heavy quark composition of $\gamma + \mu$ events produced in p anti-p collisions,” Phys. Rev. D **65**, 012003 (2002) [arXiv:hep-ex/0106004].
- T. Affolder *et al.*, “Search for gluinos and scalar quarks in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$ using the missing energy plus multijets,” Phys. Rev. Lett. **88**, 041801 (2002) [arXiv:hep-ex/0106001].
- T. Affolder *et al.*, “Double diffraction dissociation at the Fermilab Tevatron collider,” Phys. Rev. Lett. **87**, 141802 (2001).
- T. Affolder *et al.*, “Search for narrow diphoton resonances and for $\gamma \gamma + W / Z$ signatures in p anti-p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. D **64**, 092002 (2001) [arXiv:hep-ex/0105066].
- T. Affolder *et al.*, “Measurement of the inclusive jet cross section in anti-p p collisions at $s^{**}(1/2) = 1.8\text{-TeV}$,” Phys. Rev. D **64**, 032001 (2001) [Erratum-ibid. D **65**, 039903 (2002)] [arXiv:hep-ph/0102074].

PUBLICATIONS AS MEMBER OF L3 COLLABORATION

- M. Acciarri *et al.*, “Measurement of the tau branching fractions into leptons,” Phys. Lett. B **507**, 47 (2001) [arXiv:hep-ex/0102023].
- M. Acciarri *et al.*, “Study of the $e^+ e^- \rightarrow Z \gamma \gamma \rightarrow q \text{ anti-}q \gamma \gamma$ process at LEP,” Phys. Lett. B **505**, 47 (2001) [arXiv:hep-ex/0102024].
- M. Acciarri *et al.*, “Total cross section in $\gamma \gamma$ collisions at LEP,” Phys. Lett. B **519**, 33 (2001) [arXiv:hep-ex/0102025].
- M. Acciarri *et al.*, “Measurement of the charm production cross section in $\gamma \gamma$ collisions at LEP,” Phys. Lett. B **514**, 19 (2001) [arXiv:hep-ex/0101025].

PUBLICATIONS (continued)

- M. Acciarri *et al.*, “K0(S) K0(S) final state in two-photon collisions and implications for glueballs,” Phys. Lett. B **501**, 173 (2001) [arXiv:hep-ex/0011037].
- M. Acciarri *et al.*, “Higgs candidates in $e^+ e^-$ interactions at $s^{**}(1/2) = 206.6\text{-GeV}$,” Phys. Lett. B **495**, 18 (2000) [arXiv:hep-ex/0011043].
- M. Acciarri *et al.*, “Search for excited leptons in $e^+ e^-$ interactions at $s^{**}(1/2) = 192\text{-GeV} - 202\text{-GeV}$,” Phys. Lett. B **502**, 37 (2001) [arXiv:hep-ex/0011068].
- M. Acciarri *et al.*, “Measurements of the cross sections for open charm and beauty production in gamma gamma collisions at $s^{**}(1/2) = 189\text{-GeV} - 202\text{-GeV}$,” Phys. Lett. B **503**, 10 (2001) [arXiv:hep-ex/0011070].
- M. Acciarri *et al.*, “Search for neutral Higgs bosons of the minimal supersymmetric standard model in $e^+ e^-$ interactions at $s^{**}(1/2) = 192\text{-GeV}$ to 202-GeV ,” Phys. Lett. B **503**, 21 (2001) [arXiv:hep-ex/0012017].
- M. Acciarri *et al.*, “Search for the standard model Higgs boson in $e^+ e^-$ collisions at $s^{**}(1/2)$ up to 202-GeV ,” Phys. Lett. B **508**, 225 (2001) [arXiv:hep-ex/0012019].
- M. Acciarri *et al.*, “Light resonances in K0(S) $K^+ \pi^-$ and $\eta \pi^+ \pi^-$ final states in gamma gamma collisions at LEP,” Phys. Lett. B **501**, 1 (2001) [arXiv:hep-ex/0011035].
- M. Acciarri *et al.*, “Search for R-parity violating decays of supersymmetric particles in $e^+ e^-$ collisions at $s^{**}(1/2) = 189\text{-GeV}$,” Eur. Phys. J. C **19**, 397 (2001) [arXiv:hep-ex/0011087].
- M. Acciarri *et al.*, “Study of Z boson pair production in $e^+ e^-$ interactions at $s^{**}(1/2) = 192\text{-GeV}$ to 202-GeV ,” Phys. Lett. B **497**, 23 (2001) [arXiv:hep-ex/0010004].
- M. Acciarri *et al.*, “Search for charged Higgs bosons in $e^+ e^-$ collisions at centre-of-mass energies up to 202-GeV ,” Phys. Lett. B **496**, 34 (2000) [arXiv:hep-ex/0009010].
- M. Acciarri *et al.*, “Search for a Higgs boson decaying into two photons in $e^+ e^-$ interactions at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **489**, 115 (2000) [arXiv:hep-ex/0008025].
- M. Acciarri *et al.*, “Measurement of the $W^+ W^-$ gamma cross section and direct limits on anomalous quartic gauge boson couplings at LEP,” Phys. Lett. B **490**, 187 (2000) [arXiv:hep-ex/0008022].
- M. Acciarri *et al.*, “Search for anomalous couplings in the Higgs sector at LEP,” Phys. Lett. B **489**, 102 (2000) [arXiv:hep-ex/0008023].
- M. Acciarri *et al.*, “Measurement of the W pair production cross section and W decay branching fractions in $e^+ e^-$ interactions at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **496**, 19 (2000) [arXiv:hep-ex/0008026].
- M. Acciarri *et al.*, “Determination of gamma / Z interference in $e^+ e^-$ annihilation at LEP,” Phys. Lett. B **489**, 93 (2000) [arXiv:hep-ex/0007006].
- M. Acciarri *et al.*, “Measurement of Bose-Einstein correlations in $e^+ e^- \rightarrow W^+ W^-$ at $s^{**}(1/2)$ approx. = 189-GeV ,” Phys. Lett. B **493**, 233 (2000) [arXiv:hep-ex/0008020].
- M. Acciarri *et al.*, “Search for manifestations of new physics in fermion pair production at LEP,” Phys. Lett. B **489**, 81 (2000) [arXiv:hep-ex/0005028].
- M. Acciarri *et al.*, “QCD studies in $e^+ e^-$ annihilation from 30-GeV to 189-GeV ,” Phys. Lett. B **489**, 65 (2000) [arXiv:hep-ex/0005045].
- M. Acciarri *et al.*, “Production of single W bosons at $s^{**}(1/2) = 189\text{-GeV}$ and measurement of W W gamma gauge couplings,” Phys. Lett. B **487**, 229 (2000) [arXiv:hep-ex/0007005].
- M. Acciarri *et al.*, “Measurements of the b anti-b production cross section and forward-backward asymmetry at centre-of-mass energies above the Z pole at LEP,” Phys. Lett. B **485**, 71 (2000) [arXiv:hep-ex/0005023].
- M. Acciarri *et al.*, “Search for anomalous Z Z gamma and Z gamma gamma couplings in the process $e^+ e^- \rightarrow Z$ gamma at LEP,” Phys. Lett. B **489**, 55 (2000) [arXiv:hep-ex/0005024].
- M. Acciarri *et al.*, “Measurement of the lifetime of the tau lepton,” Phys. Lett. B **479**, 67 (2000) [arXiv:hep-ex/0003023].
- M. Acciarri *et al.*, “Search for an invisibly decaying Higgs boson in $e^+ e^-$ collisions at $s^{**}(1/2) = 183\text{-GeV}$ to 189-GeV ,” Phys. Lett. B **485**, 85 (2000) [arXiv:hep-ex/0004006].
- M. Acciarri *et al.*, “Measurements of cross sections and forward-backward asymmetries at the Z resonance and determination of electroweak parameters,” Eur. Phys. J. C **16**, 1 (2000) [arXiv:hep-ex/0002046].
- M. Acciarri *et al.*, “Inclusive Sigma+ and Sigma0 production in hadronic Z decays,” Phys. Lett. B **479**, 79 (2000) [arXiv:hep-ex/0002066].
- M. Acciarri *et al.*, “Measurement of the photon structure function at high Q^{*2} at LEP,” Phys. Lett. B **483**, 373 (2000) [arXiv:hep-ex/0004005].

PUBLICATIONS (continued)

- M. Acciarri *et al.*, “Measurement of the running of the fine-structure constant,” Phys. Lett. B **476**, 40 (2000) [arXiv:hep-ex/0002035].
- M. Acciarri *et al.*, “Measurement of the $e^+ e^- \rightarrow Z \gamma \gamma$ cross section and determination of quartic gauge boson couplings at LEP,” Phys. Lett. B **478**, 39 (2000) [arXiv:hep-ex/0002037].
- M. Acciarri *et al.*, “Search for charginos with a small mass difference with the lightest supersymmetric particle at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **482**, 31 (2000) [arXiv:hep-ex/0002043].
- M. Acciarri *et al.*, “Measurement of hadron and lepton-pair production at $130\text{-GeV} < s^{**}(1/2) < 189\text{-GeV}$ at LEP,” Phys. Lett. B **479**, 101 (2000) [arXiv:hep-ex/0002034].
- M. Acciarri *et al.*, “Hard-photon production and tests of QED at LEP,” Phys. Lett. B **475**, 198 (2000) [arXiv:hep-ex/0002036].
- M. Acciarri *et al.*, “Measurement of the probability of gluon splitting into charmed quarks in hadronic Z decays,” Phys. Lett. B **476**, 243 (2000) [arXiv:hep-ex/9911016].
- M. Acciarri *et al.*, “Direct observation of longitudinally polarized $W^{\pm}$ bosons,” Phys. Lett. B **474**, 194 (2000) [arXiv:hep-ex/0001016].
- M. Acciarri *et al.*, “Search for excited leptons at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **473**, 177 (2000) [arXiv:hep-ex/9910021].
- M. Acciarri *et al.*, “Search for neutral Higgs bosons of the minimal supersymmetric standard model in $e^+ e^-$ interactions at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **471**, 321 (1999) [arXiv:hep-ex/9910053].
- M. Acciarri *et al.*, “Search for extra dimensions in boson and fermion pair production in $e^+ e^-$ interactions at LEP,” Phys. Lett. B **470**, 281 (1999) [arXiv:hep-ex/9910056].
- M. Acciarri *et al.*, “Search for scalar leptons in $e^+ e^-$ collisions at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **471**, 280 (1999) [arXiv:hep-ex/9910006].
- M. Acciarri *et al.*, “Search for charginos and neutralinos in $e^+ e^-$ collisions at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **472**, 420 (2000) [arXiv:hep-ex/9910007].
- M. Acciarri *et al.*, “Measurement of triple-gauge-boson couplings of the W boson at LEP,” Phys. Lett. B **467**, 171 (1999) [arXiv:hep-ex/9910008].
- M. Acciarri *et al.*, “Single and multi-photon events with missing energy in $e^+ e^-$ collisions at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **470**, 268 (1999) [arXiv:hep-ex/9910009].
- M. Acciarri *et al.*, “Searches for scalar quarks in $e^+ e^-$ interactions at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **471**, 308 (1999) [arXiv:hep-ex/9910020].
- M. Acciarri *et al.*, “Measurement of the spectroscopy of orbitally excited B mesons at LEP,” Phys. Lett. B **465**, 323 (1999) [arXiv:hep-ex/9909018].
- M. Acciarri *et al.*, “Search for low scale gravity effects in $e^+ e^-$ collisions at LEP,” Phys. Lett. B **464**, 135 (1999) [arXiv:hep-ex/9909019].
- M. Acciarri *et al.*, “Measurement of $R(b)$ and $Br(b \rightarrow l \nu X)$ at LEP using double-tag methods,” Eur. Phys. J. C **13**, 47 (2000) [arXiv:hep-ex/9909045].
- M. Acciarri *et al.*, “Search for charged Higgs bosons in $e^+ e^-$ collisions at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **466**, 71 (1999) [arXiv:hep-ex/9909044].
- M. Acciarri *et al.*, “Study of Z boson pair production in $e^+ e^-$ collisions at LEP at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **465**, 363 (1999) [arXiv:hep-ex/9909043].
- M. Acciarri *et al.*, “Measurement of inclusive D^{*+} production in two-photon collisions at LEP,” Phys. Lett. B **467**, 137 (1999) [arXiv:hep-ex/9909005].
- M. Acciarri *et al.*, “Search for heavy neutral and charged leptons in $e^+ e^-$ annihilation at $s^{**}(1/2) = 183\text{-GeV}$ and 189-GeV ,” Phys. Lett. B **462**, 354 (1999) [arXiv:hep-ex/9909007].
- M. Acciarri *et al.*, “Search for standard model Higgs boson in $e^+ e^-$ interactions at $s^{**}(1/2) = 189\text{-GeV}$,” Phys. Lett. B **461**, 376 (1999) [arXiv:hep-ex/9909004].
- M. Acciarri *et al.*, “Search for heavy isosinglet neutrinos in $e^+ e^-$ annihilation at $130\text{-GeV} < s^{**}(1/2) < 189\text{-GeV}$,” Phys. Lett. B **461**, 397 (1999) [arXiv:hep-ex/9909006].
- M. Acciarri *et al.*, “Formation of the η/c in two-photon collisions at LEP,” Phys. Lett. B **461**, 155 (1999) [arXiv:hep-ex/9909008].
- M. Acciarri *et al.*, “Measurement of an elongation of the pion source in Z decays,” Phys. Lett. B **458**, 517 (1999) [arXiv:hep-ex/9909009].

PUBLICATIONS (continued)

- M. Acciarri *et al.*, “Measurement of mass and width of the W boson at LEP,” Phys. Lett. B **454**, 386 (1999) [arXiv:hep-ex/9909010].
- M. Acciarri *et al.*, “Search for scalar leptons in $e^+ e^-$ collisions at $s^{**}(1/2) = 183\text{-GeV}$,” Phys. Lett. B **456**, 283 (1999).
- M. Acciarri *et al.*, “Search for R-parity violating chargino and neutralino decays in $e^+ e^-$ collisions up to $s^{**}(1/2) = 183\text{-GeV}$,” Phys. Lett. B **459**, 354 (1999).
- M. Acciarri *et al.*, “Study of neutral-current four-fermion and Z Z production in $e^+ e^-$ collisions at $s^{**}(1/2) = 183\text{-GeV}$,” Phys. Lett. B **450**, 281 (1999).
- M. Acciarri *et al.*, “Measurement of the cross-section for the process $\gamma^* \gamma^* \rightarrow \text{hadrons}$ at LEP,” Phys. Lett. B **453**, 333 (1999).
- M. Acciarri *et al.*, “Heavy quarkonium production in Z decays,” Phys. Lett. B **453**, 94 (1999).
- M. Acciarri *et al.*, “Inclusive charm production in two-photon collisions at LEP,” Phys. Lett. B **453**, 83 (1999).
- M. Acciarri *et al.*, “ $\chi/c2$ formation in two-photon collisions at LEP,” Phys. Lett. B **453**, 73 (1999).
- M. Acciarri *et al.*, “Measurement of the $e^+ e^- \rightarrow Z \rightarrow b \text{ anti-}b$ forward-backward asymmetry and the B_0 anti- B_0 mixing parameter using prompt leptons,” Phys. Lett. B **448**, 152 (1999).
- M. Acciarri *et al.*, “The Q^{*2} evolution of the hadronic photon structure function $F_2(\gamma)$ at LEP,” Phys. Lett. B **447**, 147 (1999).
- M. Acciarri *et al.*, “QCD results from studies of hadronic events produced in $e^+ e^-$ annihilations at $s^{**}(1/2) = 183\text{-GeV}$,” Phys. Lett. B **444**, 569 (1998).
- M. Acciarri *et al.*, “Search for charged Higgs bosons in $e^+ e^-$ collisions at centre-of-mass energies between 130-GeV and 183-GeV,” Phys. Lett. B **446**, 368 (1999).
- M. Acciarri *et al.*, “Single and multi-photon events with missing energy in $e^+ e^-$ collisions at $s^{**}(1/2) = 183\text{-GeV}$,” Phys. Lett. B **444**, 503 (1998).
- M. Acciarri *et al.*, “Upper limit on the lifetime difference of short- and long-lived B/s0 mesons,” Phys. Lett. B **438**, 417 (1998).
- M. Acciarri *et al.*, “Measurement of the effective weak mixing angle by jet-charge asymmetry in hadronic decays of the Z boson,” Phys. Lett. B **439**, 225 (1998).
- M. Acciarri *et al.*, “Searches for scalar top and scalar bottom quarks in $e^+ e^-$ interactions at $161\text{-GeV} \leq s^{**}(1/2) \leq 183\text{-GeV}$,” Phys. Lett. B **445**, 428 (1999).
- M. Acciarri *et al.*, “Measurement of W pair cross sections in $e^+ e^-$ interactions at $s^{**}(1/2) = 183\text{-GeV}$ and W decay branching fractions,” Phys. Lett. B **436**, 437 (1998).
- M. Acciarri *et al.*, “Measurement of the Michel parameters and the average tau-neutrino helicity from tau decays at LEP,” Phys. Lett. B **438**, 405 (1998).
- M. Acciarri *et al.*, “Study of anomalous Z Z gamma and Z gamma gamma couplings at LEP,” Phys. Lett. B **436**, 187 (1998).
- M. Acciarri *et al.*, “Measurement of the inclusive charmless semileptonic branching fraction of beauty hadrons and a determination of $|V(ub)|$ at LEP,” Phys. Lett. B **436**, 174 (1998).
- M. Acciarri *et al.*, “Study of the hadronic photon structure function $F_2(\gamma)$ at LEP,” Phys. Lett. B **436**, 403 (1998).
- M. Acciarri *et al.*, “Production of single W bosons in $e^+ e^-$ interactions at $130\text{-GeV} \leq s^{**}(1/2) \leq 183\text{-GeV}$ and limits on anomalous W W gamma couplings,” Phys. Lett. B **436**, 417 (1998).
- M. Acciarri *et al.*, “Test of CP invariance in $Z \rightarrow \mu^+ \mu^- \gamma$ decay,” Phys. Lett. B **436**, 428 (1998).
- M. Acciarri *et al.*, “Measurement of radiative Bhabha and quasi-real Compton scattering,” Phys. Lett. B **439**, 183 (1998).
- M. Acciarri *et al.*, “Search for neutral Higgs bosons of the minimal supersymmetric standard model in $e^+ e^-$ interactions at $s^{**}(1/2) = 130\text{-GeV}$ to 183-GeV ,” Phys. Lett. B **436**, 389 (1998).
- M. Acciarri *et al.*, “Photon structure functions and azimuthal correlations of lepton pairs in tagged gamma gamma collisions,” Phys. Lett. B **438**, 363 (1998).
- M. Acciarri *et al.*, “Search for the standard model Higgs boson in $e^+ e^-$ interactions at $s^{**}(1/2) = 183\text{-GeV}$,” Phys. Lett. B **431**, 437 (1998).
- M. Acciarri *et al.*, “Measurement of the anomalous magnetic and electric dipole moments of the tau lepton,” Phys. Lett. B **434**, 169 (1998).
- M. Acciarri *et al.*, “Measurement of the weak dipole moments of the tau lepton,” Phys. Lett. B **426**, 207 (1998).

PUBLICATIONS (continued)

- M. Acciarri *et al.*, “Angular multiplicity fluctuations in hadronic Z decays and comparison to QCD models and analytical calculations,” Phys. Lett. B **428**, 186 (1998).
- M. Acciarri *et al.*, “Measurement of the B/d0 - anti-B/d0 oscillation frequency,” Eur. Phys. J. C **5**, 195 (1998).
- M. Acciarri *et al.*, “Determination of the number of light neutrino species from single photon production at LEP,” Phys. Lett. B **431**, 199 (1998).
- M. Acciarri *et al.*, “Measurement of tau polarisation at LEP,” Phys. Lett. B **429**, 387 (1998).
- M. Acciarri *et al.*, “Search for new physics phenomena in fermion pair production at LEP,” Phys. Lett. B **433**, 163 (1998).
- M. Acciarri *et al.*, “Local multiplicity fluctuations in hadronic Z decay,” Phys. Lett. B **429**, 375 (1998).
- M. Acciarri *et al.*, “Measurement of the average lifetime of b-hadrons in Z decays,” Phys. Lett. B **416**, 220 (1998).
- M. Acciarri *et al.*, “Search for scalar leptons, charginos and neutralinos in e+ e- collisions at $s^{**}(1/2) = 161\text{-GeV}$ to 172-GeV ,” Eur. Phys. J. C **4**, 207 (1998).
- M. Acciarri *et al.*, “Neutral-current four-fermion production in e+ e- interactions at $130\text{-GeV} \leq s^{**}(1/2) \leq 172\text{-GeV}$,” Phys. Lett. B **413**, 191 (1997).
- M. Acciarri *et al.*, “Measurement of $\eta'(958)$ formation in two-photon collisions at LEP1,” Phys. Lett. B **418**, 399 (1998).
- M. Acciarri *et al.*, “Single and multi-photon events with missing energy in e+ e- collisions at $161\text{-GeV} < s^{**}(1/2) < 172\text{-GeV}$,” Phys. Lett. B **415**, 299 (1997).
- M. Acciarri *et al.*, “Hard-photon production at $s^{**}(1/2) = 161\text{-GeV}$ and 172-GeV at LEP,” Phys. Lett. B **413**, 159 (1997).
- M. Acciarri *et al.*, “Upsilon production in Z decays,” Phys. Lett. B **413**, 167 (1997).
- M. Acciarri *et al.*, “Search for new physics in energetic single photon production in e+ e- annihilation at the Z resonance,” Phys. Lett. B **412**, 201 (1997).
- M. Acciarri *et al.*, “Search for the standard model Higgs boson in e+ e- interactions at $161\text{-GeV} \leq s^{**}(1/2) \leq 172\text{-GeV}$,” Phys. Lett. B **411**, 373 (1997).
- M. Acciarri *et al.*, “Missing mass spectra in hadronic events from e+ e- collisions at $s^{**}(1/2) = 161\text{-GeV}$ to 172-GeV and limits on invisible Higgs decays,” Phys. Lett. B **418**, 389 (1998).
- M. Acciarri *et al.*, “Measurements of mass, width and gauge couplings of the W boson at LEP,” Phys. Lett. B **413**, 176 (1997).
- M. Acciarri *et al.*, “Search for R-parity breaking sneutrino exchange at LEP,” Phys. Lett. B **414**, 373 (1997).
- M. Acciarri *et al.*, “Measurement of W pair cross sections in e+ e- interactions at $s^{**}(1/2) = 172\text{-GeV}$ and W decay branching fractions,” Phys. Lett. B **407**, 419 (1997).
- M. Acciarri *et al.*, “Resonance formation in the $\pi^+ \pi^- \pi^0$ final state in two-photon collisions,” Phys. Lett. B **413**, 147 (1997).
- M. Acciarri *et al.*, “Study of hadronic events and measurements of $\alpha(s)$ between 30-GeV and 91-GeV ,” Phys. Lett. B **411**, 339 (1997).
- M. Acciarri *et al.*, “Search for heavy neutral and charged leptons in e+ e- annihilation at $s^{**}(1/2) = 161\text{-GeV}$ and $s^{**}(1/2) = 172\text{-GeV}$,” Phys. Lett. B **412**, 189 (1997).
- M. Acciarri *et al.*, “Cross section of hadron production in gamma gamma collisions at LEP,” Phys. Lett. B **408**, 450 (1997).
- M. Acciarri *et al.*, “K0(S) and Lambda production in quark and gluon jets at LEP,” Phys. Lett. B **407**, 389 (1997) [Erratum-ibid. B **427**, 409 (1998)].
- M. Acciarri *et al.*, “Measurement of hadron and lepton-pair production at $161\text{-GeV} < s^{**}(1/2) < 172\text{-GeV}$ at LEP,” Phys. Lett. B **407**, 361 (1997).
- M. Acciarri *et al.*, “Search for anomalous four-jet events in e+ e- annihilation at $s^{**}(1/2) = 130\text{-GeV}$ to 172-GeV ,” Phys. Lett. B **411**, 330 (1997).
- M. Acciarri *et al.*, “QCD studies and determination of $\alpha(s)$ in e+ e- collisions at $s^{**}(1/2) = 161\text{-GeV}$ and 172-GeV ,” Phys. Lett. B **404**, 390 (1997).
- M. Acciarri *et al.*, “Production of e, mu and tau pairs in untagged two-photon collisions at LEP,” Phys. Lett. B **407**, 341 (1997).
- M. Acciarri *et al.*, “Inclusive J/psi, psi' and chi/c production in hadronic Z decays,” Phys. Lett. B **407**, 351 (1997).
- M. Acciarri *et al.*, “Production of single W bosons at LEP,” Phys. Lett. B **403**, 168 (1997).

PUBLICATIONS (continued)

- M. Acciarri *et al.*, “Pair-production of W bosons in $e^+ e^-$ interactions at $s^{**}(1/2) = 161\text{-GeV}$,” Phys. Lett. B **398**, 223 (1997).
- M. Acciarri *et al.*, “Search for excited leptons in $e^+ e^-$ annihilation at $s^{**}(1/2) = 161\text{-GeV}$,” Phys. Lett. B **401**, 139 (1997).
- M. Acciarri *et al.*, “Measurement of $D/s^- \rightarrow \tau^- \text{ anti-}\nu/\tau$ and a new limit for $B^- \rightarrow \tau^- \text{ anti-}\nu/\tau$,” Phys. Lett. B **396**, 327 (1997).
- M. Acciarri *et al.*, “Study of the weak charged hadronic current in b decays,” Phys. Lett. B **393**, 477 (1997).
- M. Acciarri *et al.*, “Measurement of inclusive omega and eta’ production in hadronic Z decays,” Phys. Lett. B **393**, 465 (1997).
- M. Acciarri *et al.*, “Search for exclusive B decays to J and eta or π^0 with the L3 detector,” Phys. Lett. B **391**, 481 (1997).
- M. Acciarri *et al.*, “Search for neutral B meson decays to two charged leptons,” Phys. Lett. B **391**, 474 (1997).
- M. Acciarri *et al.*, “Measurement of the lifetime of the tau lepton,” Phys. Lett. B **389**, 187 (1996).
- M. Acciarri *et al.*, “Search for neutral Higgs boson production through the process $e^+ e^- \rightarrow Z^* H^0$,” Phys. Lett. B **385**, 454 (1996).
- M. Acciarri *et al.*, “Measurement of the B^0/d meson oscillation frequency,” Phys. Lett. B **383**, 487 (1996).
- M. Acciarri *et al.*, “Search for new particles in hadronic events with isolated photons,” Phys. Lett. B **388**, 409 (1996).
- M. Acciarri *et al.*, “Measurement of the branching ratios $b \rightarrow e \nu X$, $\mu \nu X$, $\tau \nu X$ and νX ,” Z. Phys. C **71**, 379 (1996).
- M. Acciarri *et al.*, “Search for unstable sequential neutral and charged heavy leptons in $e^+ e^-$ annihilation at $s^{**}(1/2) = 130\text{-GeV}$ and 136-GeV ,” Phys. Lett. B **377**, 304 (1996).
- M. Acciarri *et al.*, “Measurement of the Michel parameters and the average tau-neutrino helicity from tau decays in $e^+ e^- \rightarrow \tau^+ \tau^-$,” Phys. Lett. B **377**, 313 (1996).
- M. Acciarri *et al.*, “Observation of multiple hard photon final states at $s^{**}(1/2) = 130\text{-GeV}$ to 140-GeV at LEP,” Phys. Lett. B **384**, 323 (1996).
- M. Acciarri *et al.*, “Measurement of muon pair production at $50\text{-GeV} < s^{**}(1/2) < 86\text{-GeV}$ at LEP,” Phys. Lett. B **374**, 331 (1996).
- M. Acciarri *et al.*, “Search for supersymmetric particles at $130\text{-GeV} < s^{**}(1/2) < 140\text{-GeV}$ at LEP,” Phys. Lett. B **377**, 289 (1996).
- M. Acciarri *et al.*, “Measurement of eta production in two and three jet events from hadronic Z decays at LEP,” Phys. Lett. B **371**, 126 (1996).
- M. Acciarri *et al.*, “Search for excited leptons in $e^+ e^-$ annihilation at $s^{**}(1/2) = 130\text{-GeV} - 140\text{-GeV}$,” Phys. Lett. B **370**, 211 (1996).
- M. Acciarri *et al.*, “Measurement of hadron and lepton pair production at $130\text{-GeV} < s^{**}(1/2) < 140\text{-GeV}$ at LEP,” Phys. Lett. B **370**, 195 (1996).
- M. Acciarri *et al.*, “Study of the structure of hadronic events and determination of α_s at $s^{**}(1/2) = 130\text{-GeV}$ and 136-GeV ,” Phys. Lett. B **371**, 137 (1996).
- M. Acciarri *et al.*, “Search for the decays $B(d)^0 \rightarrow \gamma \gamma$ and $B(s)^0 \rightarrow \gamma \gamma$,” Phys. Lett. B **363**, 137 (1995).
- M. Acciarri *et al.*, “Study of the $K(s)^0 K(s)^0$ final state in two photon collisions,” Phys. Lett. B **363**, 118 (1995).
- M. Acciarri *et al.*, “Search for neutral charmless B decays at LEP,” Phys. Lett. B **363**, 127 (1995).
- M. Acciarri *et al.*, “Evidence for gluon interference in hadronic Z decays,” Phys. Lett. B **353**, 145 (1995).
- M. Acciarri *et al.*, “One prong tau decays with neutral kaons,” Phys. Lett. B **352**, 487 (1995).
- M. Acciarri *et al.*, “Tests of QED at LEP energies using $e^+ e^- \rightarrow \gamma \gamma (\gamma)$ and $e^+ e^- \rightarrow \text{lepton}^+ \text{lepton}^- \gamma \gamma$,” Phys. Lett. B **353**, 136 (1995).