NAME:	Lee Girard Pondrom	
ADDRESS:	210 Princeton Ave. Madison, Wisconsin 53726	
TELEPHONE:	608-238-7548 608-262-2284 (Physics Dept., University of Wisconsin)	
BIRTHPLACE AND DATE:	Dallas, Texas December 26, 1933	
EDUCATION:	B.S. Southern Methodist University 1953M.S. University of Chicago 1956Ph.D. University of Chicago 1958	
EXPERIENCE:	 1st Lt. U.S.A.F. 1958-60 Instructor, Physics Department, Columbia University New York 1960-63 Associate Professor, Physics Department University of Wisconsin - Madison 1963-69 Professor, Physics Department University of Wisconsin - Madison 1969-2011 Robert W. Wood Professor 1992-2011 Chairman, Physics Department University of Wisconsin - Madison 1997-2000 Granted emeritus status in 2011 	
HONORS:	 John S. Guggenheim Memorial Fellow 1971-72 (spent ¹/₂ time at NAL) Fellow, Japan Society for the Promotion of Science, 1981 Distinguished Alumni Award, Southern Methodist University, 1983 W.K.H. Panofsky Prize, American Physical Society, 1994 President, Wisconsin Alpha, Phi Beta Kappa, 1996-97 	
MEMBERSHIPS:	Fellow of American Physical Society	
SPECIALTY AREA:	Experimental studies in elementary physics using electronic techniques; general instrumentation problems in elementary particle physics	

Selected Publications 2010

- 1. Inclusive Search for Standard Model Higgs Boson in the WW decay Channel, T. Aaltonen et al, CDF Collaboration, Phys Rev Lett 104, 061803 (2010).
- 2. Observation of Single Top Quark Production and Measurement of |Vtb|. T. Aaltonen et al, CDF Collaboration, arXiv:1004.1181 (2010) submitted to Phys Rev D.
- 3. Measurement of W boson Polarization in top quark decay. T. Aaltonen et al CDF Collaboration, arXiv: 1003.0224 (2010) submitted to Phys Rev Lett.
- 4. Studying the Underlying Event in Drell Yan and High Transverse Momentum Jet Production, T. Aaltonen et al CDF Collaboration, arXiv:1003.3146 (2010) submitted to Phys Rev D.
- 5. Measurement of WW and WZ Production Cross sections. T. Aaltonen et al, CDF Collaboration, Phys Rev Lett 104, 101801 (2010).

Selected Publications 2007-2008

- 1. Analysis of the Quantum Numbers of the X(3872), A. Abulencia et al, Phys Rev Lett 98,132002 (2007).
- Observation of WZ Production
 A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. 98, 161801 (2007).
- Measurement of the Inclusive Jet Cross Section using the k_T Algorithm in p anti-p Collisions at s**(1/2) = 1.96 TeV with the CDF II Detector
 Abulencia et al., The CDF Collaboration, Phys. Rev. D75, 092006 (2007).
- First Measurement of the W Boson Mass in Run II of the Tevatron T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. 99,. 151801 (2007).
- 5. Measurements of Inclusive W and Z Cross Sections in p anti-p Collisions at $s^{**}(1/2) = 1.96$ TeV

A. Abulencia et al., The CDF Collaboration, J. Phys. G: Nucl. Part. Phys. (2007) 2457-2544.

- 6. Precise Measurement of the Top Quark Mass in the Lepton+Jets Topology at CDF II A. Abulencia et al., The CDF Collaboration, Phys. Rev. Lett. 99, 182002 (2007).
- Model-Independent Global Search for New High-p(t) Physics at CDF
 T. Aaltonen et al., The CDF Collaboration, FERMILAB-PUB-07-667-E. Submitted to Phys. Rev. Lett. December 18, 2007.
- Measurement of W-Boson Helicity Fractions in Top-Quark Decays using cos theta* T. Aaltonen et al., The CDF Collaboration, Fermilab-Pub-08-511-E. Submitted to Phys. Lett. B November 7, 2008.
- 9. Measurement of b-jet Shapes in Inclusive Jet Production in p anti-p Collisions at $s^{**}(1/2) = 1.96$ TeV

T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D78, 072005 (2008).

10. Measurement of the Inclusive Jet Cross Section at the Fermilab Tevatron p anti-p Collider Using a Cone-Based Jet Algorithm

T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D78, 052006 (2008).

 Observation of the Decay B+/-_c --> J/psi pi++/- and Measurement of the B+/-_c Mass T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. 100, 182002 (2008). Measurement of Correlated bb-bar Production in p anti-p Collisions at s**(1/2) = 1960 GeV

T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D77, 072004 (2008).

- Search for B0(s) --> mu+ mu- and B0(d) --> mu+ mu- Decays in 2 fb-1 of p anti-p Collisions with CDF II
 - T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. 100, 101802 (2008).
- 14. Observation of Exclusive Dijet Production at the Fermilab Tevatron p anti-p Collider T. Aaltonen et al., The CDF Collaboration, Phys. Rev. D77, 052004 (2008).
- 15. Observation of Orbitally Excited B_s MesonsT. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. 100, 082001 (2008).
- 16. Search for Standard Model Higgs Bosons Produced in Association with W Bosons T. Aaltonen et al., The CDF Collaboration, Phys. Rev. Lett. 100, 041801 (2008).

Publications 2005-2006

- 1. Search for Neutral Higgs Boson Decaying to W boson pair, A. Abulencia et al, CDF collaboration, Phys Rev Lett 97,081802 (2006).
- 2. Measurement of Inclusive Jet Cross Section Using the kT Algorithm, A. Abulencia et al, CDF collaboration, Phys Rev Lett 96, 122001 (2006).
- 3. Observation of Bs-Bsbar Oscillations, A. Abulencia et al, Phys Rev Lett 97, 242003 (2006).
- 4. Search for Large Extra Dimensions, A. Abulencia et al, Phys Rev Lett 97, 171802 (2006).
- 5. Measurement of Helicity of W Bosons in Top Quark Decays, A. Abulencia et al, Phys Rev D 73, 111103 (2006).
- 6. Measurement of the Cross Section for ttbar production, D. Acosta et al, CDF Collaboration, Phys Rev D72, 052003(2005).
- 7. Study of Jet Shapes in Inclusive Jet Production, D. Acosta et al, Phys Ref D71, 112002(2005).
- 8. Measurement of Charged Particle Multiplicities in Gluon and Quark Jets, D. Acosta et al, Phys Rev Lett 94, 171802 (2005).
- 9. Measurement of Inclusive W and Z cross Sections, D. Acosta et al, Phys Rev Lett 94, 091803 (2005).
- 10. Measurement of J/psi Meson and b Hadron Production Cross Sections, D. Acosta, et al, Phys Rev D71,032001 (2005).

Publications 2000-2004

- 1) Optimized search for single top quark production at the Fermilab tevatron. By CDF Collaboration Phys.Rev.D69:052003,2004.
- 2) Measurement of the mass difference m(D(s)+) m(D+) at CDF2. By CDF II Collaboration Phys.Rev.D68:072004,2003. [hep-ex/0310043]
- 3) Measurement of the average time integrated mixing probability of b flavored hadrons produced at the Tevatron. By CDF Collaboration Phys.Rev.D69:012002,2004. [hep-ex/0309030]
- 4) Search for the flavor changing neutral current decay D0 ---> mu+ mu- in p anti-p

collisions at $s^{**}(1/2) = 1.96$ -TeV. By CDF Collaboration Phys.Rev.D68:091101,2003. [hep-ex/0308059]

- 5) Measurement of prompt charm meson production cross-sections in p anti-p collisions at s**(1/2) = 1.96-TeV. By CDF Collaboration Phys.Rev.Lett.91:241804,2003. [hep-ex/0307080]
- 6) Search for pair production of scalar top quarks in R parity violating decay modes in p antip collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.Lett.92:051803,2004. [hep-ex/0305010]
- Central pseudorapidity gaps in events with a leading anti-proton at the Fermilab Tevatron p anti-p collider. By CDF Collaboration Phys.Rev.Lett.91:011802,2003. [hepex/0303011]
- 8) Search for the supersymmetric partner of the top quark in dilepton events from p pbar collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.Lett.90:251801,2003. [hep-ex/0302009]
- 9) Search for associated production of Upsilon and vector boson in p anti-p collisions at $s^{**}(1/2) = 1.8$ -TeV. By CDF Collaboration Phys.Rev.Lett.90:221803,2003.
- 10) Search for long lived charged massive particles in anti-p p collisions at s**1/2 = 1.8-TeV. By CDF Collaboration Phys.Rev.Lett.90:131801,2003. [hep-ex/0211064]
- 11) Cross-section for forward J / psi production in p anti-p collisions at S = 1.8-TeV. By CDF Collaboration Phys.Rev.D66:092001,2002.
- 12) Search for a W-prime boson decaying to a top and bottom quark pair in 1.8-TeV p anti-p collisions. By CDF Collaboration Phys.Rev.Lett.90:081802,2003. [hep-ex/0209030]
- 13) Search for radiative b hadron decays in proton anti-proton collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.D66:112002,2002. [hep-ex/0208035]
- 14) Branching ratio measurements of exclusive B+ decays to charmonium with the Collider Detector at Fermilab. By CDF Collaboration Phys.Rev.D66:052005,2002.
- 15) Measurement of the ratio of b quark production cross-sections in anti-p p collisions at s**(1/2) = 630-GeV and s**(1/2) = 1800-GeV. By CDF Collaboration Phys.Rev.D66:032002,2002. [hep-ex/0206019]
- 16) Momentum distribution of charged particles in jets in dijet events in p anti-p collisions at $s^{**}(1/2) = 1.8$ -TeV and comparisons to perturbative QCD predictions. By CDF Collaboration Phys.Rev.D68:012003,2003.
- 17) Limits on extra dimensions and new particle production in the exclusive photon and missing energy signature in p anti-p collisions at $s^{**}(1/2) = 1.8$ -TeV. By CDF Collaboration Phys.Rev.Lett.89:281801,2002. [hep-ex/0205057]
- 18) Measurement of B meson lifetimes using fully reconstructed B decays produced in p anti-p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.D65:092009,2002.
- 19) Comparison of the isolated direct photon cross-sections in p anti-p collisions at s**(1/2) = 1.8-TeV and s**(1/2) = 0.63-TeV. By CDF Collaboration Phys.Rev.D65:112003,2002. [hep-ex/0201004]
- 20) 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-TeV. By CDF Collaboration Phys.Rev.D65:052005,2002. [hep-ph/0111359]
- 21) Upsilon production and polarization in p anti-p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.Lett.88:161802,2002.

- 22) Search for new physics in photon lepton events in p anti-p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.D66:012004,2002. [hep-ex/0110015]
- 23) Search for the decay B/s --> mu+ mu- Phi in p anti-p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.D65:111101,2002.
- 24) Search for single top quark production in p anti-p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.D65:091102,2002. [hep-ex/0110067]
- 25) Soft and hard interactions in p anti-p collisions at $s^{**}(1/2) = 1800$ -GeV and 630-GeV. By CDF Collaboration Phys.Rev.D65:072005,2002.
- 26) Study of the heavy flavor content of jets produced in association with W bosons in p antip collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.D65:052007,2002. [hep-ex/0109012]
- 27) Diffractive dijet production at s**(1/2) = 630-GeV and 1800-GeV at the Fermilab Tevatron. By CDF Collaboration Phys.Rev.Lett.88:151802,2002. [hep-ex/0109025]
- 28) Search for new heavy particles in the W Z0 final state in p anti-p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.Lett.88:071806,2002. [hep-ex/0108004]
- 29) A Study of B0 ---> J / psi K(*)0 pi+ pi- decays with the collider detector at Fermilab. By CDF Collaboration Phys.Rev.Lett.88:071801,2002. [hep-ex/0108022]
- 30) Measurement of the strong coupling constant from inclusive jet production at the Tevatron anti-p p collider. By CDF Collaboration Phys.Rev.Lett.88:042001,2002. [hep-ex/0108034]
- 31) Charged jet evolution and the underlying event in proton-antiproton collisions at 1.8 TeV. By CDF Collaboration Phys.Rev.D65:092002,2002.
- 32) Search for quark lepton compositeness and a heavy W-prime boson using the electron neutrino channel in p anti-p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.Lett.87:231803,2001. [hep-ex/0107008]
- 33) Charged particle multiplicity in jets in p anti-p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.Lett.87:211804,2001.
- 34) Observation of diffractive J / psi production at the Fermilab Tevatron. By CDF Collaboration Phys.Rev.Lett.87:241802,2001. [hep-ex/0107071]
- 35) Search for gluinos and scalar quarks in p anti-p collisions at sqrt(s) =1.8 TeV using the missing energy plus multijets signature. By CDF Collaboration Phys.Rev.Lett.88:041801,2002. [hep-ex/0106001]
- 36) Cross-section and heavy quark composition of gamma + muon events produced in p antip collisions. By CDF Collaboration Phys.Rev.D65:012003,2002. [hep-ex/0106004]
- 37) Measurement of d sigma / dM forward backward charge asymmetry for high mass Drell-Yan e+ e- pairs from p anti-p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.Lett.87:131802,2001. [hep-ex/0106047]
- 38) Search for gluinos and squarks using like sign dileptons in p anti-p collisions at s**(1/2)
 = 1.8-TeV. By CDF Collaboration Phys.Rev.Lett.87:251803,2001. [hep-ex/0106061]
- 39) Searches for new physics in events with a photon and b-quark jet at CDF. By CDF Collaboration Phys.Rev.D65:052006,2002. [hep-ex/0106012]
- 40) Search for narrow diphoton resonances and for gamma gamma + w /z signatures in p anti p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.D64:092002,2001. [hep-ex/0105066]
- 41) Double diffraction dissociation at the Fermilab Tevatron collider. By CDF Collaboration Phys.Rev.Lett.87:141802,2001. [hep-ex/0107070]

- 42) Measurement of the t anti-t production cross-section in p anti-p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.D64:032002,2001,Erratum-ibid.D67: 119901,2003. [hep-ex/0101036]
- 43) Measurement of the inclusive jet cross-section in anti-p p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.D64:032001,2001,Erratum-ibid.D65: 039903,2002. [hep-ph/0102074]
- 44) Production of chi/c1 and chi/c2 in p anti-p collisions at s**(1/2) = 1.8-TeV. By CDF Collaboration Phys.Rev.Lett.86:3963-3968,2001.

Reviews Published in Conference Proceedings

- 1. "Experimental Review of Weak Interactions", in *AIP Conference Proceedings #2*, Particles and Fields 1971, Ed. by A.C. Melissinos and P.F. Slattery, AIP, New York, 1971.
- 2. "Weak Decay Process", in *Particles and Fields*, 1976, BNL report 50598, Ed. by H. Gordon and R.F. Peierls.
- 3. "The Interaction, Polarization and Magnetic Moment of the S Quark in the Baryons' in Proceedings of the VI International Seminar on High Energy Physics Problems, Dubna, 1981.
- 4. "Magnetic Moments of Baryons and Quarks", *Proceedings of the Fifth International Symposium on High Energy Spin Physics*, API Conference Proceedings, Ed. by G. Bunce, 1983.
- 5. "Polarization in Hadron-Hadron Collisions", Proceedings of the XIV International Conference on Multiparticle Dynamics, Lake Tahoe, California, 1983.
- 6. "Magnetic Moments of Baryons and Quarks", in *Proceedings of the VII International Symposium on High Energy Spin Physics*, Serpukhov, 1987.
- 7. "Status and Prospects for High Energy Spin Experiments", in *Proceedings of the VIII International Symposium on High Energy Spin Physics*, University of Minnesota, 1989.
- 8. "Recent Results from CDF", in *Proceedings of IX International Seminar on High Energy Physics Problems*, Dubna, USSR, 1989.
- 9. "Recent Results from CDF", in *Proceedings of the Storrs Meeting of the APS Division of Particles and Fields*, AIP, 1989.
- 10. "Electroweak Studies at CDF," in "9th International Conference on Physics in Collision", edited by Jacob Grunhaus, Editions Frontieres, 1990.
- 11. "Results from Hadron Colliders", XXV International Conference on High Energy Physics, Singapore, ed. K.K. Phua, World Scientific, 1991.
- 12. "Hadron Collider Physics", Mexico City Summer School, July 1991, ed. M. Perez and R. Huerta, World Scientific, Singapore, 1992.
- 13. "Current Status of Spin Studies", Proceedings of the XIII International Symposium on High Energy Spin Physics, Serpukhov, World Scientific, Singapore, 1999
- 14. "Forward inclusive J/psi Production in p-pbar collisions at 1.8 TeV", Proceedings of the XVI International Seminar on High Energy Physics Problems, Dubna, Russia, 2002.
- 15. "Search for Quark Substructure in the Angular Distribution of dijets produced in p-pbar collisions at 1.96 TeV", Proceedings of the XIX International Seminar on High Energy Physics Problems, Dubna, Russia, 2008.

- 16. "Search for double parton interactions in Z->mu mu events from p-pbar collisons at 1.96 TeV" Proceedings of the XXI International Seminar on High Energy Physics Problems, Dubna, Russia, 2012.
- 17. "Measurement of the WW pair production cross section in p-pbar collisions at 1.96 TeV", Proceedings of the XXII International Seminar on High Energy Physics Problems, Dubna, Russia, 2014.

Ph.D. Thesis Titles

Limon, Peter	1967	"Time Reversal Invariance and Proton Triple Scattering"
Olsen, Stephen L.	1970	"The Rule and Decay"
Dettmann, Edward H	2/1971	"Proton Polarization in and the Rule"
Wilke Wm. G.	11/1976	"Form Factors and Decay"
Martin, Phillip S.	9/1977	"Lambda-Proton Elastic Scattering at Fermilab"
Grobel, Ronald	6/1980	"Neutral Strange Particle Production in Hydrogen"
Lundberg, Byron G.	6/1984	"Neutral Strange Particle Production and Polarization at Large "
Wilkinson, Carol A.	12/1985	" Polarization and Magnetic Moment"
Skarha, John E.	9/1989	"Forward Muon Production in proton-antiproton collisions at 1.8 TeV"
Byrum, Karen	1/1992	"Lepton Charge Asymmetry from at CDF"
Markosky, Leigh	2/1992	"Forward Backward Asymmetry from at at
Markeloff, Richard	8/1992	"An Analysis of Monojet Data in Collisions at =1.8 TeV"
Maas, Peter	8/1993	"Properties of Events Containing a Photon and Several Jets Seen in Collisions at =1.8 TeV"
Steele, Joseph	5/2000	"Inclusive cross section of Particles in the far forward direction in Collisions at $=1.8$ TeV"

Colloquia and Conferences

1990-96

- 1. Invited talk on Electroweak Interactions at CDF at the Aspen Winter Physics Conference, January, 1990.
- 2. Collider physics rapporteur at the XXV International Conference on High Energy Physics, Singapore, August, 1990.
- 3. Seminar on "Electroweak Physics with CDF" at Dubna and ITEP Moscow, September, 1990.
- 4. Lecture Series on Hadron Collider Physics at the Mexico City Summer School CINVESTAV, July, 1991.
- 5. Academic Lecture Series on Hadron Collider Physics at Fermilab, November, 1991.
- 6. Seminar Report on Linear Collider Conference in Lapland, Sept. 23, 1991, UW-Madison.
- 7. Seminar Report on Linear Collider Conference in Lapland, Oct. 1, 1991, Fermilab.
- 8. Invited Talk at ICFA 1993 India School on Instrumentation in Elementary Particle Physics, Feb. 15--27, 1993, Bombay, India.
- 9. Colloquium at Wisconsin, February 1994.
- 10. Invited Talk at Washington APS Meeting, April 1994.
- 11. Top Quark Talk, Symposium for M. Ebel, 21 May 1994, University of Wisconsin--Madison.
- 12. Invited Talk, Spin '94 International Conference, Bloomington, Indiana, September 1994.
- 13. Top Quark Seminar, UW Madison, March 1995.
- 14. Contributed papers on Baryon Magnetic Moments and WÆ tncharge asymmetry to Spring APS meeting at Indianapolis, April, 1996.
- 15. Invited Talk on Baryon Magnetic Moments at Dubna Symposium on QCD, Russia, September, 1996.

1988-89

- 1. Invited talk on CDF at Dubna Workshop, USSR, June 1988
- 2. Invited talk on CDF at APS/DPF Meeting at Storrs, Connecticut, August 1988
- 3. Invited talk on Spin Physics, International Conference at University of Colloquium at Wisconsin

Colloquium at Penn State

- 4. Invited talk on Electroweak Interactions at CDF at the IX International Conference on Physics in Collision, Tel Aviv, June 1989
- 5. Colloquia on CDF at University of Maryland and Virginia Tech, October, 1989

1987-88

1. Colloquium at Northwestern

1986-87

- 1. Invited talk on SSC Detectors at the 6th International Conference on Physics in Collision, Chicago, Illinois, September 1986
- 2. Invited talk on Magnetic Moments at 7th International Symposium on Spin Phenomena at Serpukhov, USSR, September 1986

1985-86

1. Colloquium at Notre Dame

1984-85

Seminars at Institute for High Energy Physics, Serpukhov, USSR, and Institute for Nuclear Physics, Gatchina, USSR Seminar at Tata Institute for Fundamental Research, Bombay, India Invited Speaker, Symposium on pp Collisions, Tsukuba University, Japan Colloquium at MIT

1983-84

XIV International Conference on Multiparticle Dynamics, Lake Tahoe California invited speaker

1982-83

V International Symposium on High Energy Spin Physics, held at Brookhaven National Laboratory, September 1982 invited speaker Colloquium at Boston University

1981-82

Colloquia at:

Tohoku University, Sendai, Japan Tsukuba University, Ibaraki, Japan Kyoto University, Kyoto, Japan Tokyo University, Tokyo, Japan Hiroshima University, Hiroshima, Japan KEK Illinois Institute of Technology Carnegie Mellon University Conferences at: VI International Symposium on Nuclear Problems - Dubna USSR invited speaker

1980-81

Colloquia at: Harvard University Rice University Seminar at: Stanford Linear Accelerator Center

1979-80

Talk: "A Dependence of Λ^o Hyperon Production"
Xth International Symposium on Multiparticle Dynamics, Goa, India, September 1979
Colloquia at:
Purdue University

VPI

Duke University (Topic at all three was Baryon Magnetic Moments) University of Chicago Seminars at: University of Athens, Greece University of Kyoto, Japan

1978-79

Colloquia at: University of Wisconsin Northwestern University Seminars at: University of Wisconsin University of CA - Berkeley Stanford University University of CA - San Diego

1977-78

Invited paper: Washington APS Meeting, April 1977 Colloquia at: University of Rochester University of Chicago Princeton University

1976-77

Seminars at: UW - Madison Brookhaven National Laboratory Fermilab Argonne National Laboratory University of IL - Urbana University of IL - Urbana University of IL - Chicago Circle Invited paper: Brookhaven National Laboratory, October 1976

1974-75

Division of Particles and Fields Meeting, APS, September 1974 contributed paper Gordon Conference on Elementary Particles, August 1974

1972-73

Brookhaven, June 1972 - Presentation on K_13 Decay at Weak International Conference

1971-72

Seminars and Colloquia at: Wisconsin Michigan Princeton NAL Brookhaven Invited paper - Washington APS meeting, April 1971 Weak Interactions Rapporteur, Rochester Meeting, September 1971

1970-71

Seminars and Colloquia at: Case Western Reserve University of Colorado

Conferences at: Dubna Instrumentation 1970 - Presented paper Member of Users Executive Committee - NAL

1968-69

Seminars and Colloquia at: University of Wisconsin MIT Cal Tech Carnegie Mellon University of Chicago Columbia University Conferences at: Stony Brook SUNY, H.E. Conference Boulder Conference

1967-68

Seminars and Colloquia at: Oak Ridge University of Michigan University of Wisconsin University of Pittsburg Princeton Brookhaven