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EMPLOYMENT

Technical Staff Member, Los Alamos National Laboratory, P-Division, 1987-present
Assistant Professor, Princeton University, 1981-1987
Research Associate, Rutherford Laboratory, 1978-1981

POSITIONS

LANL Program Manager for Nuclear Physics, 2004-2009
Co-Spokesperson of the BooNE Neutrino Experiment at Fermilab, 1998-2007
Spokesperson of the LSND Neutrino Experiment at Los Alamos, 1990-present
Member of the Executive Committee of the LBNE Experiment, 2009-2015
LANL Institutional Board Member for the MicroBooNE, SBND, & DUNE Expts.

EDUCATION

Ph. D. in physics, University of Michigan, 1978
B.S. in physics, Georgia Institute of Technology, 1973

HONORS

Los Alamos National Laboratory Fellow
Fellow of American Physical Society
Department of Energy Outstanding Junior Investigator, 1984-1987

RECENT REVIEW COMMITTEE MEMBERSHIP

Chair of Fermilab Users Executive Committee (UEC), 2014-2016
J-PARC Program Advisory Committee, 2012-2016
DOE Review of CENPA at the University of Washington, 2011
Tollestrup Award Committee, 2010-2011
DOE/NP OJI Review Committee, 2009
NSF PNA Review Committee, 2009-2012
NSERC Technical Review Committee for SNO+ Experiment, 2008-2010

FNAL Neutrino Physics Group of Steering Committee, 2007
DOE Committee of Visitors (COV), 2007, 2016
Project Advisory Panel Review (PAP) for Daya Bay Experiment, 2007-2009
NSAC & HEPAP Neutrino Science Assessment Group (NuSAG), 2006-2007
NSERC Technical Review Committee for T2K Experiment, 2006-2008, 2013
LBNL Physics Review Committee, 2006-2007 & 2009
Lehman Review of NOvA Experiment, 2006-2010
Lehman Review of JLAB 12 GeV Upgrade, 2005, 2008, 2009, 2012-2015
Lehman Review of RHIC, 2013
DOE Review of ANL HEP Division, 2004-2005

PUBLICATIONS

(with J. W. Chapman et al.) Multiplicity Distributions in High-Energy Neutrino Interactions, *Phys. Rev. Lett.* **36**, 124 (1976).

(with J. P. Berge et al.) Inclusive Strange-Particle Production by Neutrino-Proton Interactions in the 10-200 GeV Region, *Phys. Rev. Lett.* **36**, 127 (1976).

(with J. P. Berge et al.) Experimental Study of Deep Inelastic Neutrino-Proton Scattering, *Phys. Rev. Lett.* **36**, 639 (1976).

(with J. W. Chapman et al.) Neutrino-Proton Interactions at Fermilab Energies: Experimental Arrangement, Analysis Procedures, and Qualitative Features of the Data, *Phys. Rev.* **D14**, 5 (1976).

(with J. P. Berge et al.) Search for Muon-Electron Events in Antineutrino- Nucleon Interactions, *Phys. Rev. Lett.* **38**, 266 (1977).

(with Fermilab-IHEP-ITEP-Michigan Neutrino Group) Scaling-Variable Distributions for Antineutrino-Nucleon Interactions, *Phys. Rev. Lett.* **39**, 382 (1977).

(with F. A. Harris et al.) Ratio of Neutral-Current to Charged-Current Cross Sections for Inclusive Neutrino Interactions in Hydrogen, *Phys. Rev. Lett.* **39**, 437 (1977).

(with J. Bell et al.) Diffractive Production of Vector Mesons in High-Energy Neutrino Interactions, *Phys. Rev. Lett.* **40**, 1226 (1978).

(with J. P. Berge et al.) Inclusive Neutral-Strange-Particle Production from High-Energy Neutrino-Proton Charged-Current Interactions, *Phys. Rev.* **D18**, 1359 (1978).

(with J. P. Berge et al.) Probing Nuclei with Antineutrinos, *Phys. Rev.* **D18**, 1367 (1978).

(with J. Bell et al.) Cross Section Measurements for the Reactions $\nu p \rightarrow \mu^- \pi^+ p$ and $\nu p \rightarrow \mu^- K^+ p$ at High Energies, *Phys. Rev. Lett.* **41**, 1008 (1978).

(with J. Bell et al.) Study of the Reactions $\nu p \rightarrow \mu^- \Delta^{++}$ at High Energies and Comparisons with Theory, *Phys. Rev. Lett.* **41**, 1012 (1978).

(with J. P. Berge et al.) Inclusive Negative-Hadron Production from High-Energy Antineutrino-Nucleus Charged-Current Interactions, *Phys. Rev.* **D18**, 3905 (1978).

(with J. Bell et al.) Experimental Study of Hadrons Produced in High-Energy Charged-Current Neutrino-Proton Interactions, Phys. Rev. **D19**, 1 (1979).

(with J. P. Berge et al.) The Production of μe Events in Antineutrino-Nucleon Interactions, Phys. Lett. **81B**, 89 (1979).

(with J. P. Berge et al.) A Search at High Energies for Antineutrino-Electron Elastic Scattering, Phys. Lett. **84B**, 357 (1979).

(with V. I. Efremenko et al.) Antineutrino-Proton and Antineutrino-Neutron Charged-Current Interactions Unfolded from High Energy Antineutrino Interactions in Neon, Phys. Lett. **84B**, 511 (1979).

(with V. Efremenko et al.) Search for a Charm Changing Neutral Current in Antineutrino Interactions, Phys. Lett. **88B**, 181 (1979).

(with V. Ammosov et al.) Properties of K^0 and Lambda Inclusive Production in Charged-Current Antineutrino Nucleon Interactions, Nucl. Phys. **B162**, 205 (1980).

(with J. P. Berge et al.) Net Charge in Deep Inelastic Antineutrino-Nucleon Scattering, Phys. Lett. **91B**, 311 (1980).

(with J. P. Berge et al.) Inclusive Production of Nonstrange Resonances in High Energy Neutrino-Proton Charged-Current Interactions, Phys. Rev. **D22**, 1043 (1980).

(with V. I. Efremenko et al.) Nuclear Effects in High-Energy Antineutrino Interactions, Phys. Rev. **D22**, 2581 (1980).

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(with S. F. Biagi et al.) Production of Hyperons and Hyperon Resonances in $\Xi^- N$ Interactions at 102 and 135 GeV/c, Z. Phys. **C9**, 305 (1981).

(with S. F. Biagi et al.) Determination of the α Parameter for the Decay $\Xi^- \rightarrow \Lambda\pi^-$, Phys. Lett. **112B**, 265 (1982).

(with S. F. Biagi et al.) A New Upper Limit for the Branching Ratio ($\Xi^- \rightarrow n\pi^-$)/($\Xi^- \rightarrow \Lambda\pi^-$), Phys. Lett. **112B**, 277 (1982).

(with S. F. Biagi et al.) Measurement of the $\Xi^- p$ Elastic Cross Section at 102 and 135 GeV/c, Z. Phys. **C17**, 113 (1983).

(with S. F. Biagi et al.) Observation of a Narrow State at 2.46 GeV/c - A Candidate for the Charmed Strange Baryon A^+ , Phys. Lett. **122B**, 455 (1983).

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Status of Experiment 615 at Fermilab: Production of Muon Pairs in the Forward Direction, Eighteenth Recontre de Moriond, La Plagne-Savoie France, January 23-29, 1983, ed. J. Tran Thanh Van.

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(with S. F. Biagi et al.) First Measurement of the $\Lambda \rightarrow n\gamma$ Branching Ratio, Z. Phys. **C30**, 201 (1986).

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