New Measurement of Parity Violation in Elastic Electron-Proton Scattering and Implications for Strange Form Factors

K. A. Aniol [a], D. S. Armstrong [ah], T. Averett [ah], M. Baylac [aa], E. Burtin [aa], J. Calarco [t], G. D. Cates [x], C. Cavata [aa], Z. Chai [s], C. C. Chang [q], J.-P. Chen [ℓ], E. Chudakov [ℓ], E. Cisbani [k], M. Coman [d], D. Dale [n], A. Deur [ℓ], P. Djawotho [ah], M. B. Epstein [a], S. Escoffier [aa], L. Ewell [q], N. Falletto [aa], J. M. Finn [ah], A. Fleck [y], B. Frois [aa], S. Frullani [k], J. Gao [s], F. Garibaldi [k], A. Gasparian [g], G. M. Gerstner [ah], R. Gilman [ℓ,z], A. Glamazdin [o], J. Gomez [ℓ], V. Gorbenko [o], O. Hansen [ℓ], F. Hersman [t], D. W. Higinbotham [ag], R. Holmes [ac], M. Holtrop [t], B. Humensky [x], S. Incerti [ad], M. Iodice [j], C. W. de Jager [ℓ], J. Jardillier [aa], X. Jiang [z], M. K. Jones [ah], J. Jorda [aa], C. Jutier [w], W. Kahl [ac], J. J. Kelly [q], D. H. Kim [p], M.-J. Kim [p], M. S. Kim [p], I. Kominis [x], E. Kooijman [m], K. Kramer [ah], K. S. Kumar [r,x], M. Kuss [ℓ], J. LeRose [ℓ], R. De Leo [i], M. Leuschner [t], D. Lhuillier [aa], M. Liang [ℓ], N. Liyanage [s], R. Lourie [ab], R. Madey [m], S. Malov [z], D. J. Margaziotis [a], F. Marie [aa], P. Markowitz [ℓ], J. Martino [aa], P. Mastromarino [x], K. McCormick [w], J. McIntyre [z], Z.-E. Meziani [ad], R. Michaels [ℓ], B. Milbrath [c], G. W. Miller [x], J. Mitchell [ℓ], L. Morand [e,aa], D. Neyret [aa], G. G. Petratos [m], R. Pomatsalyuk [o], J. S. Price [ℓ], D. Prout [m], T. Pussieux [aa], G. Quéméner [ah], R. D. Ransome [z], D. Relyea [x], Y. Roblin [b], J. Roche [ah], G. A. Rutledge [ah], P. M. Rutt [ℓ], M. Rvachev [s], F. Sabatie [w], A. Saha [ℓ], P. A. Souder [ac], M. Spradlin [h,x], S. Strauch [z], R. Suleiman [m], J. Templon [f], T. Teresawa [ae], J. Thompson [ah], R. Tieulent [q], L. Todor [w], B. T. Tonguc [ac], P. E. Ulmer [w], G. M. Urciuoli [k], B. Vlahovic [ℓ,v], K. Wijesooriya [ah], R. Wilson [h], B. Wojtsekhowski [ℓ], R. Woo [af], W. Xu [s], I. Younus [ac], C. Zhang [q]

[a] *California State University - Los Angeles,Los Angeles, California 90032, USA*

Preprint submitted to Physics Letters B *12 April 2001*

[b] Université Blaise Pascal/IN2P3, F-63177 Aubière, France
[c] Eastern Kentucky University, Richmond, Kentucky 40475, USA
[d] Florida International University, Miami, Florida 33199, USA
[e] Université Joseph Fourier, F-38041 Grenoble, France
[f] University of Georgia, Athens, Georgia 30602, USA
[g] Hampton University, Hampton, Virginia 23668, USA
[h] Harvard University, Cambridge, Massachusetts 02138, USA
[i] INFN, Sezione di Bari and University of Bari, I-70126 Bari, Italy
[j] INFN, Sezione di Roma III, 00146 Roma, Italy
[k] INFN, Sezione Sanità, 00161 Roma, Italy
[ℓ] Thomas Jefferson National Accelerator Laboratory, Newport News, Virginia 23606, USA
[m] Kent State University, Kent, Ohio 44242, USA
[n] University of Kentucky, Lexington, Kentucky 40506, USA
[o] Kharkov Institute of Physics and Technology, Kharkov 310108, Ukraine
[p] Kyungpook National University, Taegu 702-701, Korea
[q] University of Maryland, College Park, Maryland 20742, USA
[r] University of Massachusetts Amherst, Amherst, Massachusetts 01003, USA
[s] Massachusetts Institute of Technology, Cambridge, Massachusetts 02139, USA
[t] University of New Hampshire, Durham, New Hampshire 03824, USA
[u] Norfolk State University, Norfolk, Virginia 23504, USA
[v] North Carolina Central University, Durham, North Carolina 27707, USA
[w] Old Dominion University, Norfolk, Virginia 23508, USA
[x] Princeton University, Princeton, New Jersey 08544, USA
[y] University of Regina, Regina, Saskatchewan S4S 0A2, Canada
[z] Rutgers, The State University of New Jersey, Piscataway, New Jersey 08855, USA
[aa] CEA Saclay, DAPNIA/SPhN, F-91191 Gif-sur-Yvette, France
[ab] State University of New York at Stony Brook, Stony Brook, New York 11794, USA
[ac] Syracuse University, Syracuse, New York 13244, USA
[ad] Temple University, Philadelphia, Pennsylvania 19122, USA
[ae] Tohoku University, Sendai 9890, Japan
[af] TRIUMF, Vancouver, British Columbia V6T 2A3, Canada
[ag] University of Virginia, Charlottesville, Virginia 22901, USA
[ah] College of William and Mary, Williamsburg, Virginia 23187, USA