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Guide to the James Cronin Papers, 1936-2016 1936-2016



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Descriptive Summary

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Date 1936-2016

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Repository Hanna Holborn Gray Special Collections Research Center
University of Chicago Library
1100 East 57th Street
Chicago, Illinois 60637 U.S.A.

Abstract James Watson Cronin, physicist (1931-2016). The Papers document Cronin's career as a Professor of Physics at the University of Chicago, his role in the discovery of the CP violation, and the founding of the Pierre Auger Observatory. The collection includes professional activities; correspondence; subject files; personal ephemera; honors and awards; annotated photographs, and audio and visual recordings. Materials date between 1936 and 2016, with the bulk of the material dating from 1951-2011.

Acknowledgments

The James Cronin Papers were processed and preserved in part with support from The Grainger Foundation.

Information on Use

Access

The collection is open for research, except for material in Series VIII. This series contains restricted personnel, financial, and student material. Restricted materials for 30 from the date of creation will be fully available in 2030. Restricted materials for 50 years from the date of creation will be fully available in 2054 (R-50). Restricted materials for 80 years (or death) from the date of creation will be available entirely in 2085.

Citation

When quoting material from this collection, the preferred citation is: When quoting material from this collection, the preferred citation is: When quoting material from this collection, the preferred citation is: Cronin, James. Papers, [Box #, Folder #], Hanna Holborn Gray Special Collections Research Center, University of Chicago Library.

Biographical Note

James Watson Cronin was born in Chicago, IL, on September 29th, 1931, to parents James Farley Cronin and Dorothy Watson. While attending Highland Park Public School for middle and high school, Cronin expressed an interest in science and had always been good at math. Thanks to an excellent high school physics teacher, Mr. Charles H. Marshall, Cronin discovered his interest in physics. While he originally wanted to study engineering in college, his father encouraged him to go to college to study physics.

Cronin received his undergraduate degree in physics and mathematics at Southern Methodist University, Texas, graduating in 1951. Immediately after graduation, Cronin began his graduate program at the University of Chicago (UChicago), studying particle physics during what was considered the golden age of particle physics. Enrico Fermi, Maria Mayer, Edward Teller, Marvin Goldberger, and Murray Gell-Mann were some of the famous physicists that Cronin studied under and learned from during his time at UChicago. The teachings and knowledge gained by Cronin during this time were carried throughout his entire career. Cronin's advisor was physicist Samuel K. Allison, as he studied particle physics. His thesis focused on experimental nuclear physics titled: "Excitation Functions and Angular Distributions of Alpha Particles Leading to the Ground and First Excited States of Be⁷ on the Reaction B¹⁰ (p,α) Be⁷ ." Cronin earned his doctorate in 1955.

It was during this time that Cronin met his wife, Annette Martin. She respected his work and had great patience as Cronin conducted his experiments and left home for long periods. They married in 1954 and had three children together: Cathryn (Cronin), Cranston (b. 1955 and d. 2011), Emily (b.1959), and Daniel (b.1971).

After graduation, Cronin accepted a position at Princeton University as a physics professor and began working at the Brookhaven National Laboratory. At the Brookhaven National Laboratory, Cronin learned not to fear experiments and to take risks in his work. He focused on scaling experiments to what they needed to be to do his job. This period was a considerable period of growth for Cronin, who also helped develop spark chambers at this time. While working with other physicists, Val Fitch included, Cronin discovered the CP violation by accident. The question of whether or not the CP violation existed had been brought up before. Cronin's professors had theorized about it decades earlier. In a class led by Murray Gell-Mann, Enrico Fermi asked him if he had a neutral K⁰ and neutral K⁰- next to each other and could decay to the same final products; then how are they different? Mann's answer focused on a breach of asymmetry between the two, which was a correct prediction. Cronin and others were working on experiments relating to other questions in 1963, but after observing and measuring hundreds of photographs, they did discover the detection of asymmetry between matter and anti-matter. This is known as the CP Violation, and their work was published in 1964. The discovery of the CP violation changed the understanding of the big bang and the incredible odds that human life was able to develop since there was only a tiny percentage that it would happen.

Following publishing this work, Cronin went to work for a year in France at the Centre d'Etudes Nucleaires at Saclay with Rene Turlay (who also had worked on discovering the CP violation) and lectured in French at the College de France.

Upon returning to Princeton, Cronin stayed for a few more years until deciding to move to the University of Chicago and become a Professor of Physics in 1971. From 1971-1997, Cronin worked as a Professor of Physics. He taught lectures, classes, helped students with their experiments and advised on various dissertations. Inside and outside of the classroom, Cronin was an inspiration to those around him. A big draw for Cronin for his initial move to UChicago was the new Fermi Laboratory Accelerator that was being built near Chicago. The University of Chicago and Fermi Lab did not become officially affiliated until 2007 but worked closely together before that. Cronin conducted experiments focusing on the production of particles at high transverse momentum, the production of direct leptons, and some of the CP-violating parameters of the neutral K meson. In 1997, Cronin became an emeritus professor at the University of Chicago.

In 1980, Cronin was a co-recipient winner of the Nobel Prize for Physics with Val Fitch. Their discovery of the CP Violation was groundbreaking and had lasting effects in the particle physics field. Cronin and his wife attended the Nobel Prize award ceremony in Stockholm in 1980 to receive the prize. This was a massive honor for Cronin, and he recognized the value and merit of receiving it.

Beginning in the 1990s, Cronin moved away from particle physics and focused instead on studying cosmic rays. He started his work in the 1950s during the golden age of physics when it was easy to come up with new questions, perform new experiments, and come away with further information about particle physics. He had hit a point where he wanted to make a difference and explore new topics hence the shift to cosmic rays, a relatively new scientific topic only discovered by Pierre Auger (pronounced aw" "gr) in 1938. Studying cosmic rays was fresh with new technology being developed to test experiments, and there were a lot of unknowns about how cosmic rays worked. Cronin's main question focused on learning where cosmic rays originate from. They could come from the sun, other galaxies, or supernovas; however, because of magnetic fields, the cosmic ray's entrance is distorted, meaning that the ray could be coming from one direction, but the source could be an entirely different direction.

Cronin spoke with scientists worldwide as he was not the only one interested in studying cosmic rays. Together with scientists from 15 other countries, the plan was to develop a new observatory to study cosmic rays. This observatory was built in Argentina and is known as the Pierre Auger Observatory. Officially completed in 2008, the observatory had been collecting data for a few years, and on November 9th, 2007, the first findings about directional energy and cosmic rays were published in Science Magazine. This project was from the ground up and is a model of international collaboration that helped Cronin and others to answer questions about cosmic rays but also created new opportunities for outreach, education, and development in western

Argentina. A school was built in Cronin's name, now known as the James Cronin School. Cronin was able to help sponsor the school thanks to the help of Chicago business people and the University of Chicago.

In 2004, Cronin and the University of Chicago Press published "Fermi Remembered." While developing the observatory, Cronin had also been conducting years of research on his former teacher, Enrico Fermi. "Fermi Remembered" was written and published to celebrate the 100th anniversary of Fermi's birth and all of his accomplishments as a physicist.

As exciting as Cronin's work was during the 2000s, he endured great hardships. His wife, Annette, died in 2005 due to complications of Parkinson's disease, while his daughter, Cathryn, died in 2011. In 2006, Cronin married Carol Champlin.

Cronin died in Saint Paul, MN, on August 25th, 2016.

Scope Note

The collection is organized into eight series. The materials in each series and subseries are arranged alphabetically.

Series I: Personal: This series contains materials documenting Cronin's life, including his letters to and from family and friends, personal projects, Christmas cards, schoolwork, thesis from graduate school, and research for the book "Fermi Remembered."

Series II: Research: This series contains Cronin's professional work completed as a professor at Princeton University and then as a professor and emeritus professor at the University of Chicago.

Subseries I: Scientific Notes and Research: This series contains material related to Cronin's published articles, lectures, and unpublished research, especially his work related to the CP violation. This includes clippings, articles, and notebooks with charts and graphs.

Subseries II: Transparencies: Transparent film sheets used for lectures, classes, seminars, and Cronin's research notes.

Subseries III: Correspondence: Includes incoming and outgoing messages with scientists and organizations to discuss current scientific work and research.

Series III: Teaching: This series contains the teachings, lectures, presentations, and student dissertations while Cronin was a professor at Princeton and the University of Chicago.

Series IV: Pierre Auger Project: This series will contain materials related to Cronin's work as a co-leader of the Pierre Auger Observatory in Argentina and his work on cosmic rays.

Subseries I: Correspondence: Incoming and outgoing correspondence with scientists, organizations, and government officials to form, develop, and build the observatory.

Subseries II: Auger Observatory: This series will contain materials related to the development and running of the Auger Observatory.

Subseries III: Research and Lectures: This series contains the research, lectures, and presentations created by Cronin as he helped to develop the Auger Observatory and conduct his research on cosmic rays.

Series V: Awards: This series will contain awards, medals, and documents granted to Cronin.

Series VI: Audio-Visual: This series contains photographs of Cronin, including portraits and group photos. It also has pictures taken during Cronin's scientific career, including a Grainger Fellows Photo (2000), a Fermi Archival Photo Collection, a group lab photo, an Auger Lab Photo, images related to the Auger Observatory, and physics department photos. General photos from 1977 – 2009, travel photos to Moscow, Japan, Perpignan, Provence, Japan, and Vietnam (1987-1994, 1997), and photos from Cronin's Nobel Prize ceremony are also included. There are 25 VHS tapes, 2 DVDs, 24 cassette tapes, 1 floppy disc, 4 films, and 15 CD-ROMs.

Series VII: Oversize materials

Series VIII: Restricted: This series contains restricted personnel, financial, and student material. Restricted materials for 30 from the date of creation will be fully available in 2030. Restricted materials for 50 years from the date of creation will be fully available in 2054 (R-50). Restricted materials for 80 years (or death) from the date of creation will be available entirely in 2085.

Related Resources

Allison, Samuel King. Papers

Archival Biographical Files

Chandrasekhar, Subrahmanyan Papers

Fermi, Enrico. Collection, 1918-1974

The University of Chicago. Department of Physics. Records

Wattenberg, Albert. Papers

Subject Headings

- Chandrasekhar, S. (Subrahmanyan)
-
-
-
-
- Enrico Fermi Institute
- The University of Chicago. Dept. of Physics
- Astronomy—Observations
- AstrophysicsDomes, Observatory
- CP violation (Nuclear physics)
- Nobel Prize winners
- Research
- Physics
-
- Astrophysicists
- Physicists

INVENTORY

Series I: Personal

This series contains materials documenting Cronin's life, including his letters to and from family and friends, Christmas cards, personal projects, schoolwork, graduate school thesis, and research for the book "Fermi Remembered."

Box 1

Folder 1

American Philosophical Society, 1999

Box 1

Folder 2

Angular Distribution Thesis, 1955

Box 1

Folder 3

Biographies of Fermi and Cronin, 1982, 2000

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Birthday Notes, 1996

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Folder 5

Christmas Cards, 1968-2011

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Christmas Cards, 1968-2011

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Christmas Cards, 1980

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Christmas Cards, 2001-2011

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Christmas Cards, 2002-2011

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Folder 10

Christmas Cards, 2002-2014

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Christmas Cards, 2005-2006

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Class Notes, undated (1/2)

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Class Notes, undated (2/2)

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Cronin Correspondence, 1999-2001

- Brigitte Beuseroy, 1999-2001
- J. Anthony Tyson, 1999
- Ken Gibbs, 1999
- Pat Plitt, 1999
- Arturo J. Bignoli, 2001
- Mary Heagley, 2001
- Enrico Granara, 2001
- Gerd W. Buschhorn, 2001
- Julius Wess, 2001
- M. Jean-Luc Lory, 2000
- Chantal Breon, 2000
- David W. Pershing, 2000
- Neville W. Reay, 2001
- Soraya Gomez, 2001
- Raymond R. Gesteland, 2001
- Bengt Samuelsson, 1999
- Michael Sohlman, 1999

- Clem Pryke, 2001
- Laurent Buisson, 2000
- Marie-Claire Antoine, 2001
- A. Rodriguez, 2001

Box 2

Folder 5

Cronin CV, undated

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Folder 6

Cronin Lap Report Book, 1951

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Folder 7

Cronin-Personal Correspondence, 1972-1990

- Ackland, Len 1986
- Ayala, Francisco J. 1990
- Brianti, G.
- Brightwilson, E. 1973
- Carpenter, Raymon T. 1976
- Carrigan Jr. richard A. 1976
- Dyrud, Jarl E. 1976
- Fitch, Val 1972
- Flanagan, Dennis 1984
- Ford, Franklin Lo, 1973
- Fritzsche, H. 1984
- Glenn, John 1982
- Goldwasser, Edwin L. 1974
- Graubard, Stephen 1974
- Gray, Hanna Holborn, 1982
- Handler, Philip 1977
- Herschbach, Dudley 1973
- Hofstadter, Robert 1985
- Jackson, J.D. 1979
- Jones, Ann M. 1988
- King, Donald west 1984
- Klemperer, William 1973
- Landshaft, Peter 1976
- Lederman, Leon M 1979
- Lee, T.D. 1991
- Loeffler, Frank J. 1976
- McClarren, Ralph H. 1975
- Mulvey, J.
- Pake, George E. 1989
- Pearson, Margaret 1977
- Pilcher, James E. 1977
- Purcell, E. M. 1973
- Quigg, Chris 1977

- Rosenthal, Eric To 1978
- Rubbia, C.
- Seamans Jr., Robert C. 1977
- Segre, Emilio 1975
- Shafer, Yu G. 1987
- Simon Vad Der Meer 1984
- Simpson, J.A. 1977
- Soergel, V. 1973
- Steinberger, Jack 1981
- Teem, John M. 1973
- Thompson, James R. 1988
- Tigner, Maury 1984
- Ting, Samuel C.C. 1975
- Van Horn, Hugh M. 1984
- Vineyard, George H. 1977
- Von Gutfeld, Robert J. 1984
- Wen Keling 1982
- Wieslaw, Czyz 1983
- Wilson, Robert R. 1986
- Ying Chongfu 1981

Box 2

Folder 8

Cronin-Personal Correspondence, 1972-1990

- Abrams, Susan E. 1989
- Adair, R. K. 1977
- Armistead, John 1991
- Bahcall, John N. 1994
- Boehm, Clare 1981
- Brianti, G. 1984
- Brodsky, Stanley J. 1977
- Buitter, Jeanne 1992
- Burbidge, Geoffrey 1992
- Crewe, A.V. 1974
- Engels, Jr. Eugene 1975
- Epstein, Joseph 1977
- Fitch, Val 1972
- Gold, Birdie 1974
- Goldberger, Marvin L. 1978
- Goldwasser, Edwin L. 1978
- Gottfried, Kurt 1976
- Gray, Hanna Holborn 1980
- Hamilton, Donald 1979
- Havens Jr. W.W. 1974
- Howe, Fisher 1977
- Iona, Steve 1974
- Jackson, J.D. 1991

- Kalmus, George 1977
- Keldysh, L.V. 1990
- Kendall, Genry W. 1991
- Kleinbard, Jonathan 1977
- Laumann, Edward O. 1992
- Lederman, Leon M. 1972
- Leith, David W.G.S. 1975
- Levi, edward H. 1974
- Lubkin, Gloria B. 1974
- Maley, Wayne A. 1992
- Manning, G. 1974
- Mascarenhas, Nicholas C. 1991
- McDaniel, Boyce D. 1977
- Meyer, Peter 1989
- Morris, Elizabeth C. 1984
- Mulvey, J. 1984
- Neal, Homer A. 1974
- Nishikawa, Koichiro 1979
- Panofsky, Wolfgang K. H. 1976
- Parker, Eugene N. 1971
- Perkins, Don. 1984
- Perl, Martin 1977
- Protheroe, R. J. 1991
- Pullara, Michael A. 2001
- Reines, Frederick 1995
- Richard, H. T. 1974
- Richter, Burton 1981
- Rondrom, Lee 1993
- Rosen, S. Peter 1979
- Rouvillois, Philippe 1991
- Rubbia, C. 1984
- Russo, Martin A. 1975
- Sessler, Andrew M. 1977
- Smith, Gerald A. 1985
- Sonnenberg, Katharine L. 1984
- Sonnenschein, Hugo F. 1993
- Sovern, Michael I. 1980
- Steinberger, J. 1974
- Strauch, Karl 1977
- Sulak, Lawrence R. 1979
- Sumi, Yoshio 1993
- Swanson, Patricia K. 1992
- Taylor, Richard E. 1975
- Townes, Charles H. 1994
- Turlay, R. 1990
- Wales, Walter D. 1981

- Wilson, John T. 1975
- Wojcicki, Stanley 1977
- Woolf, Harry 1979
- Zichichi, Antonion 1977

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Cronin Personal Items, 1976-2004

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Cronin's 75th Birthday, 2006

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C/M by the Child Langmuir Equation, undated

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Databook for General Physics, 1948

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Dispersion and Resolving Power of a Glass Prism, undated

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Experiments, undated

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Fermi Archives 3, 1939-1955

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Fermi Centennial Sept. 29, 2001

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Fermi Centennial Correspondence, 1999-2001

- Bank, Timothy J. 2001
- Berggren, Joyce 2001
- Bompard, Ehore
- Byham, Bonnie 2001
- Carrothers, Nancy 2001
- Daley, Richard 2001
- Djurovic, Angela 2001
- Fiore, Don 2001
- Friedman, Jerome I 2001
- Garwin, R.L. 2001
- Glicksman, Maurice 2001
- Goldberger, Marvin 2001
- Granara, Enrico 2001
- Grillo, Laura 2001
- Gullo, Giovanni 2001
- Guzy, Donna 2001
- Haber-Schaim, Uri 2001
- Heagley, Mary 2001
- Hildebrand, Roger 2001
- Levi-Setti, Riccardo 2001
- Plitt, Pat 2001
- Pondrom, Lee 2001
- Rayne, John A.
- Rose, David 2001
- Rosenfeld, Arthur 2001
- Rosenson, Larry 2001
- Schluter, Robert 2001
- Steinberger, Jack 2001
- Stuewer, Roger H.
- Vansen, Debbie 2001
- Wattenberg, Al 2001
- Weinberg, Alvin 2001
- Winston, Roland 2001
- Yodn, Gaurang 2001

Box 4**Folder 2**

Fermi Centennial – Correspondence, 2001-2002

- Chamberlain, Owen 2001
- Chen Ning Yang 2001
- Chew, Geoffrey F. 2002
- Farwell, George W. 2001
- Gell-Mann, Murray 2001
- Haber-Schaim, Uri 2001

- Rayne, John A. 2001
- Rosenbluth, Marshall N. 2001
- Rosenfeld, Arthur 2001
- Schluter, Robert A. 2001
- Teller, Edward 2001
- Yang, C.N. 2002

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Fermi Centennial – Invitations, 2001

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Fermi Centennial – Speakers, 2001

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Fermi – Correspondence, 2004-2005

- Galvin, Robert 2004
- Grainger, David 2004
- Martin, Andre 2004

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Fermi Institute Letter, 2002

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Fermi lab Booklets, 1992

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Folder 11

Fermi Letters, Guide to Archives Notes, EFI Faculty, 1949-2001

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Fermi News, 1999

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Fermi Notes, 1951

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Fermi Photos, 2003

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Fermi Remembered Event Details, 2001

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Fermi Remembered Releases, 2003 (2/2)

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Folder 5

Fermi Research and Teaching, 1946-1954

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Folder 6

Fermi Reunion Correspondence, 2001

- Arnold, James R. 2001
- Byers, Nina 2001
- Farwell, George W. 2001
- Fitch, Val
- Friedman, Jerome 2001
- Garwin, Richard 2001
- Gell-Mann, Murray 2001
- Glicksman, Maurice 2001
- Goldberger, Marvin 2001
- Haber-Schaim, Uri
- Nagle, Darragh 2001
- Plitt, Pat 2001
- Rayne, John A. 2001
- Schluter, Robert A. 2001
- Steinberger, Jack 2001
- Telegdi, Valentine 2001
- Wattenberg, Albert 2001
- Wilczek, Frank 2001
- Wolfenstein, Lincoln 2001
- Wright, Coutenay 2001
- Yodh, Gaurang Bhaskar, 2001

Box 6

Folder 1

Fermi Stamp Slide for Argonne, undated

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Friday Party, 2001

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Galileo Book, 2009

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Honorary Doctorate Santiago de Compostela, 2010

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Folder 5

Impedance Bridges, undated

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Folder 6

Ionization and the Three-Halves Power Law, undated

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Ionization currents with the Gold Leaf Experiments, undated

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J.W. Cronin Journal, 1981-1982

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J.W. Cronin Journal, 1982

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Folder 10

J.W. Cronin Correspondence, 1991

- Bryman, Douglas A. 1991
- Gabrielse, Gerald 1991
- Hargrove, Clifford K. 1990
- Kelland, David R. 1990
- Kifune, Tadashi, 1991
- Rao, M.V.S. 1989
- Rotem, Zeev 1990
- Trilling, George H. 1991
- Vijayaraghavan, R. 1991
- Wali, K.C. 1991

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James Cronin Lab Manuel, 1948

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James Cronin School, 2003-2005

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James Cronin Thesis, 1955

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John Conway Watson – Memorial Service and Photos, 2006

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Laboratory Reports Vol. 2, undated

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Lectures, Obituaries, and Other Things of Interest, 1946-2003 (1/3)

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Lectures, Obituaries, and Other Things of Interest, 1946-2003 (3/3)

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Folder 5

Letters Between Fermi and Colleagues, 1946-1954

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Letters, documents, and speeches of Enrico Fermi, 1939-1954

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Life 1946-1987 (1/3)

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Life 1946-1987 (2/3)

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Maps and Other Tourist Items, undated

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Oral History, Tom Kuhn, Raetti, and Persico discuss Fermi, 1963

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Paper/Items of Historical Interest, 1974-1999

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Paper/Items of Historical Interest, 1974-1999

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Physics Today, 2014

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Paris Articles, undated

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Folder 4

Personal Correspondence, 1969-1993

- Adams, Ruth 1981
- Aikhanian, A.I. 1978
- Bok, Derek C. 1978
- Boratoav, M. 1984
- Bowen, William G. 1985
- Brianti, Giorgio 1983
- Brown, Donald D. 1992
- Chandrasekhar, S. 1981
- Christensen, Karl 1991
- Clemens, A Heusch 1969
- Cocconi, Giuseppe 1978
- Dalitz, R. H. 1985
- Dar, Arnon 1982
- Darriulat, Pierre 1986
- Dean, Kristin 1988
- DeJesus, Ed 1989
- Deutch, John M. 1978
- Eggert, Karsten 1986
- Fitch, Val 1977
- Flanagan, Dennis 1983
- Franklin, Allan 1978
- Frisch, Henry J. 1977
- Fritzsche, H. 1971
- Galison, Peter 1983
- Getzm Donald R. 1968
- Gray, Hanna Holborn 1981
- Grodzins, Lee 1978
- Hofstadter, Robert 1970
- Johnson, D. Gale 1978
- Kountz, Peter 1981
- Lederman, Leon M. 1981

- Lee, Benjamin W. 1977
- Lemonick, Aaron 1978
- Lincoln, C. Ranlet 1977
- Mann, A.K. 1969
- Marshak, R.E. 1966
- McDaniel B.D. 1981
- McDaniel, Paul 1971
- Mulvey, John 1983
- Murphree, David L. 1987
- Novick, William Z. 1977
- Panofsky, W. K.H. 1978
- Parker, Sherwood 1967
- Perkins, Donald S. 1988
- Perlmutter, Arnold 1970
- Piel, Jonathan 1986
- Pipkin, F.M. 1968
- Press, Frank 1978
- Ramsey, Norman F. 1978
- Rau, R. Ronald 1981
- Richter, Burton 1983
- Rosen, J.L. 1967
- Rubbia, Carlo 1983
- Sachs, Robert G. 1971
- Sacton, J. 1985
- San Fu Tuan 1970
- Sands, Richard H. 1977
- Simpson, J.A. 1971
- Slomski, Kathleen 1986
- Smith, A.J. Steward 1989
- Smith, Ro E. 1987
- Strauch, Karl 1978
- Tadic, Dubravko
- Telegdi, V.L. 1980
- Turner, A. Richard 1983
- Van Horn, Hugh M. 1984
- Wali, K.C. 1981
- Weisskopf, Victor F. 1969
- Wenzel, W.A. 1968
- Williams, Robert W. 1973
- Wilson, John T. 1978
- Wilson, R.R. 1977
- Winegard, William C. 1990
- Winstein, Bruce 1983
- Zacharias, Donald W. 1987
- Ziman, Timothy 1983

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Personal-Russia, 1996

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Photometry of the Various Positions of an Incandescent Lamp, undated

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Physics Class 54 – Static Characteristics, undated

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Physics 12a Notes, undated

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Polarized Light, undated

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Project Square Waves, undated

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Quantum Mechanics Class Notes, 1954

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Reviews and Letters Concerning “Fermi Remembered,” Fermi Centennial, 1994-2005

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Revision of PHY 87-02822, 1987

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Talk at C. Wright Retirement June, 1994

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The Cathode Follower, undated

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The Characteristics of a Power Amplifier, undated

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The Crystal Oscillator, undated

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The Determination of the Principal Points of a System of Two Thin Lenses, undated

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The F.P. 54, undated

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This series contains Cronin's professional work completed as a professor at Princeton University and then as a professor and emeritus professor at the University of Chicago. Subseries I contain

Cronin's unpublished research, published articles, and lectures, especially his work related to the CP violation. This includes newspaper clippings, articles, and notebooks with charts and graphs. Subseries II contains transparent film sheets for class lectures, seminars, conferences, and notes for Cronin's work. Subseries III includes incoming and outgoing messages with scientists and organizations to discuss current scientific work and research. The bulk of the correspondence is from 1962-1999.

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Design Group – R and D Proposal, 1995

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Dimuon Production Talk – Hamburg. 1977

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Experiment Notes, 1975-1982

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Fermi Lab standard Lecture, 1992-1994

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Large P Physics at Fermi Lab talk at ISR, undated

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Lecture at ITT, undated

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Lecture Science Open House, 1981 and Technicon, 1982

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Notes and Overhead Projector Slide, undated

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Particle Physics Chart Transparencies, undated

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Physics Colloquium, 1981

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Presentation at Final 617, Oct. 13, 1981

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Proton Scattering Talk, 1974

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Quotations, 1995

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Report on E100, undated

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Review of Aix Conference, undated

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Review of Lepton – Photon Conference, Aug. 1989

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Run 567 Transparencies, undated

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Sakharov, undated

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Shroud of Turin, 1990

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Sigma Xi Lecture, undated

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SLC Talk to CERN – Cronin, 1983-1986

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SSC Seminar, undated

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Talk at San Treman proposal, 1983

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Talk at Symposium for L. Wolfenstein, 1987

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Talk at Workshop, 1984

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Talk to Hepap-Summary of Batavin Conference, undated

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Transparencies, 1953-1990

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Transparencies for Upsides and High Y Anomaly, undated

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Transparencies from Fermi Lab E100, etc. undated

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Transparencies (NSF Review), 1980-1981

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π Lifetime, 1982

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Articles and Reviews 1972-1991

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Articles and Reviews 1992-1999

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Articles and Reviews circa 1980s-1990s

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Folder 4

Chronological Correspondence, 1999

- Boyer, Anita
- Coutu, Stefane
- Crease, robert
- Das, Ashok
- Ferbel, Tom
- Hubner, K.
- Jenkins, Williams L.
- Levi-Setti, Riccardo
- Lindsey, Gillian
- Manin, Aleth
- Moody, Liz
- Nozieres, Philippe
- Oytana, Claude
- Phua, K. K.
- Prescott, Charles
- Teixeira, Jose
- Tompkins, Curtis J.
- Vardeny, Valy
- White, D. Hywel
- Zank, Gary

Box 58

Folder 5

Civil Construction, 1995

Box 58**Folder 6**

Correspondence, 1955-1960

- Allan, Harold R. 1956
- Allison, S.K. 1955
- Carlson, R.R. 1955
- Cork, Bruce 1960
- Erber, Thomas 1958
- Hill, David 1958
- Jones, Jim 1957
- Keuffel, J.W. 1957
- Klein, Abraham 1958
- Riina, John 1960
- Schluler, Bob 1957
- Sullivan, William H. 1958
- Toll, John S. 1958
- Velde, Jack Vander 1958
- Wenzel, William A. 1959
- Williams, Bob
- Winters, R.A. 1959
- Wright, Countray 1957

Box 58**Folder 7**

Correspondence, 1962

- Aksen, Howard S.
- Cork, Bruce
- Farinholt, Larkin H.
- Lock, W.O.
- Perez-Mendez, Victor
- Phillips, Robert
- Reynolds, Geo. T.
- Roberts, Arthur
- Simpson, J.A.
- Turlay, R.

Box 58**Folder 8**

Correspondence, 1964

- Albritton, Claude
- Amati, D.
- Bartlett, David
- Berthelot, A.
- Bleakney, W.
- Blokhintsev, D.
- Bofilioes, Joannis

- Boris, Jay Paul
- Chen, K. Wendell
- Chilton, Frank
- Christenson, James
- Chuvilo, I.V.
- Cocconi, G.
- Cool, Rodney L.
- Daniel, H.
- Dennison, D.M.
- Detoef, Jean-Francois
- Engels Jr., Eugene
- Farinholt, L.H.
- Fregeau, Jerry H,
- Friedman, Jerome I.
- Frisch, David
- Hildebrand, Roger
- Jonas, Peter
- Jones, F.X.
- Kerns, Quentin
- Kreisler, Michael N.
- Kurz, Richard
- Kycia, Ted
- Lagarrigue, A.
- Lebey, O.
- Lemonick, Aaron
- Lichtenberg, Don B.
- Liss, Alan R.
- Luckov, B.I.
- Maglic, B.
- McMillan, W.G.
- Mrs. Mickey
- Murphy, P.G.
- Nash, Thomas
- Nicholson, Robert H.
- Overseth, Oliver E.
- Parker, Sherwood
- Piccioni, Oreste
- Renou, J.
- Reynolds, Edward
- Riddell, H.E.
- Romney, Gordon
- Roos, Matts
- Ryan, James W.
- Sachs, Alan
- Sachs, R. G.
- Schneider, Fritz

- Schwartz, Melvin
- Shilen, Ronald
- Shuestak, Seth
- Shutt, Ralph P.
- Sittig, M.
- Strauch, Karl
- Terwilliger, Kent
- Thorndyke, Alan
- Tinlot, J. H.
- Tollestrup, Alvin V.
- Ufford, C. Wilbur
- Vineyard, George
- Wenzel, W. A.
- Willis, William
- Wilson, John T.
- Winters, R.A.

Box 58

Folder 9

Correspondence, 1965

- Ballam, Joseph
- Barshay, Saul
- Beadle, George W.
- Bleakney, Walker
- Busza, W.
- Calson, Dorothy
- Clark, A.R.
- Cleland, W.E.
- Conforto, G.
- Cool, Rodney, L.
- Fitch, Val L.
- Ford, Ken
- Gibson, W.M.
- Goudsmit, S.A.
- Hildebrand, Bernard
- Hildebrand, Roger
- Jones, P.B.
- Kenny, Robert P.
- Krasner, S.H.
- Kreisler, M.N.
- Lemonick, Aaron
- Longo, Michael
- Lundy, Richard A.
- Manning, G.
- Masek, George
- Masek, George
- McDaniel, Boyce D.

- Missell, Frank P.
- Moyer, Burton J.
- Naranjo, Anna
- Nishijima, K.
- Nuclear Enterprises
- Padgeh, Doran W.
- Perl, Martin
- Perlmutter, Arnold
- Phillips, Robert H.
- Piccioni, Oreste
- Pilcher, James
- Pilot Chemicals
- Pond, T.A.
- Putnam, R.
- Reynolds, G. T.
- Risk, Winthrop S.
- Roberts, Arthur
- Saergel, V.
- Saffouri, M.H.
- Sandweiss, Jack
- Schjeldahl, G. T.
- Semi-Elements Inc.
- Shoemaker, F.C.
- Smoluchowski, R.
- Snostak, Gerson Seth
- Tallestrup, Alvin
- Wilson, John T.
- Winters, R.A.
- Yang, C. N.

Box 59

Folder 1

Correspondence, 1967 (1/2)

- Abashian, A.
- Academic Press Inc.
- Adair, Robert K.
- Allen, Halsey L.
- Appel, Jeffrey A.
- Ballam, Joseph
- Barash-Schmidt, Naomi
- Barshay, Saul
- Bartlett, David F.
- Beadle, George W.
- Bersbach, Alfred J.
- Bohm, Arno
- Brittin, Wesley E.
- Brody, Howard

- Caneschi, Luca
- Dakin, James T.
- Devons, S.
- Edgington, J.A.
- Farinholt, L.H.
- Ferbel, Thomas
- Fields, Tom
- Filthuth, H.
- Firestone, Alexander
- Fiske, Milan D.
- Fremzini, Juliet Lee
- Fry, W.F.
- Furry, Wendell
- Gaillard, Jean-Marc
- Gaillard, Mark K.
- Getz, Donald R.
- Glashow, Shelly
- Goldhaber, Maurice
- Green, Louis C.
- Hildebrand, Roger H.
- Hughes, Vernon W.
- Kabir, P.K.
- Kalmus, George E.
- Kellock, Jack
- Kerst, Donald W.
- King, R.W.
- Kirz, Janos
- Kursunoglu, Behram
- Kuznetzov, A.A.
- Lagarrigue, A.
- Langer, Lawrence M.
- Lederman, Leon
- Leith, David
- Lemonick, Aaron
- Lomon, Earle L.
- LTD Brittin, Wesley, E.
- Madonsky, Leon
- Manning, G.
- Marshak, R.E.
- Martin, B.R.
- McFarlane, W.K.
- McMillen, J. Howard
- Moravcsik, Michael J.
- Morlan, Joseph
- Morse, Philip M.
- Moyer, Burton J.

- Okum, L.B.
- Padgett, Doran G.
- Padgett, Doran G.
- Panofsky, W.K.H.
- Peterson, Vincent Z.
- Phillips, Robert H.
- Piccioni, Oreste
- Pond, T.A.
- Pondrom, Lee G.
- Prospero, Joe
- Rau, Ronald
- Rousset, A.
- Rubbia, Carlo
- Sachs, Allen
- Sachs, R.G.
- Sands, Matthew
- Sandweiss
- Schauer, Charles H.
- Shull, Clifford
- Snow, George
- Stairs, D. G.
- Steinberger, J.
- Strauch, Karl
- Suhl, Harry
- Swanson, R.A.
- Trigg, George L.
- Trilling, G.
- Turlay, Rene
- Umezawa, Hiroomi
- University of Maryland
- Wales, Walter
- Werbrouk, Al
- Williams, W.S.C.
- Wilson, Richard
- Wilson, Robert P.
- Zorn, Gus

Box 59

Folder 2

Correspondence, 1967 (2/2)

- Barash-Schmidt, Naomi
- Bohm, Arno
- Brisson, Violette
- Brittin, Wesley, E.
- Caneschi, Luca
- Dakin, James T.
- Dupen, Douglas Wm.

- Ferbel, Thomas
- Filtuth, Heintz
- Fitch, Val L.
- Fremzini, Juliet Lee
- Gaillard, Jean Marc
- Gaillard, Mary K.
- Goldhaber, Maurice
- Green, Louis C.
- Kabir, P.K.
- King, R.W.
- Kursunoglu, Behram
- Leith, David
- Lomon Earle L.
- Manning, G.
- Marshak, R.E.
- Miller, Douglas
- Okun, L.B.
- Padgett, Doran G.
- Palmer Physical Lab
- Panofsky, W.K.H.
- Parker, Sherwood
- Peterson, Vince
- Phillips, Robert H.
- Piggott, J.
- Pine, Jerome
- Pond, T.A.
- Pondrom, Lee G.
- Prospero, Joe
- Rau, Ronald
- Rosen, jerry
- Rousset, A.
- Rubbia, Carlo
- Sachs, Allen
- Sachs, R.A.
- Sands, Matthew
- Schauer, Charles H.
- Shannon, Robert
- Shull, Clifford
- Smith, Vera
- Snow, George
- Steinberger, J.
- Suhl, Harry
- Swanson, R.A.
- Thirring, W.
- Towey, Patricia
- Traung, Tran N.

- Trigg, George L.
- Trilling, G.
- University of Illinois
- Vandervelde, J.C.
- Venus, Wilber
- Wales, Walter
- Walker, Robert L.
- Webrouk, A.
- Williams, W.S.C.
- Wilson, Richard
- Winters, R.A.
- Wittig, Harold
- Wojcicki, Stanley
- Yang, C.N.
- Young, Kenneth

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Folder 3

Correspondence, 1972-1976

- Abashian, A.
- Banner, Marcel
- Bardon, Marcel
- Berley, David
- Bernard
- Buchsbaum, S.J.
- Cork, Bruce
- Duong-Van, M
- Farrar, Glennys R.
- Goldwasser, Edwin L.
- Groves, T.H.
- Helumt
- Hofstadter, Robert
- Lederman, Leon
- McDaniel, Paul W.
- Mischke, R.E.
- Panofsky, W.K.H.
- Pondrom, Lee G.
- Purcell, E.M.
- Ralph
- Salam, Abdus
- Sam
- Sanford, James R.
- Strauch, Karl
- Teledgi, Val
- Trigg, George L.
- Wilson, John T.
- Wilson, R.R.

- Yock, Philip C.M.

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Folder 4

Correspondence, 1981

- Abolins, Maris A.
- Ayres, David S.
- Baggett, Penny
- Barber, D.P.
- Becker, Ulrich
- Beier, Eugene W.
- Blaha, Stephen
- Bromberg, Carl
- Brown, Lowell S.
- Bunce, Gerry M.
- Burt, Caldwell, David O.
- Camerini, Ugo
- Capell, Michael H.
- Carrigan Jr. Richard A.
- Carroll, Alan S.
- Chen, Min
- Christenson, James H.
- Cork, Bruce
- Cutkosky, Richard E.
- Cutts, David
- Danby, G.T.
- Duinker, P.
- Engelmann, Roderick
- Ficenec, John R.
- Firestone, Alexander
- Ford, William t.
- Fowler, E.C.
- Frisken, W.R.
- Glass, George
- Goldhaber, Gerson
- Goldwasser, Edwin L.
- Gordon, Howard A.
- Goshaw, A.T.
- Greenhalgh, John F.
- Haacke, Mark
- Hagstrom, Ray
- Hand, Lou
- Hemingway, Richard
- Hoffman, C.M.
- Hughes, Vernon W.
- Imlay, Richard L.
- Kirk, Thomas B.W.

- Lanou, Robert E.
- Lederman, Leon M.
- Leipuner, L.B.
- Littenberg, L.S.
- LoSecco, John M.
- Louis, William C.
- Mahanthappa, K.T.
- Mandelkern, Mark
- Marsh, William L.
- McDonald, Kirk
- Mo, Luke W.
- Nodulman, Lawrence
- Paige, Frank E.
- Peterson, Vincent Z.
- Piroue, Pierre A.
- Pope, Bernard G.
- Rau, R. Ronald
- Reeder, Don D.
- Reines, F.
- Roc, Byron
- Salzberg, Leo F.
- Samuel, Mark
- Shoemaker, Frank C.
- Smith A. J. Stewart
- Stenger, Victor
- Stever, Manfred F.
- Stickland, David P.
- Strauch, Karl
- T. Michael J.
- Taylor, Geoffrey N.
- Thaler, Jon J.
- Theriot, Dennis
- Tollestrup, Alvin V.
- Wanderer, Peter J.
- Williams, Hugh
- Winstein, Bruce
- Wolfenstein, Lincoln
- Yamin, Peter
- Yoh, John

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Folder 5

Correspondence, 1982

- Lee, T.D.
- Perl, Martin

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Folder 6

Correspondence, 1989-1995

- Adelberger, Eric G.
- Aguirre, Carlos
- Ahlen, Steven P.
- Armistead, John
- Baldo-Geolin, Milla
- Baubillier, Michel
- Baym, Gordon
- Birgeneau, Robert J.
- Brau, James E.
- Busza, Wit
- Campbell, Catherine
- Candrian, D.
- Cesarsky, Catherine
- Chapman, J. Wehrley
- Charlton, Gordon R.
- Clay, R. W.
- Clayton, Robert
- Cliff, Frank
- Committee on Appointments and Promotions
- Cowsik, Ramanath
- Dawson, Bruce
- Delavo, Riccardo
- Dissel, Scott
- Fegan, David
- Feldman, Gary
- Ford, William t.
- Friedman, Jerome I.
- Fritzsche, Hellmut
- Gassman, Maureen
- Gilbert, Judy
- Goshaw, A.T.
- Hanna, Ashraf E.
- Happer, Will
- Harris, John W.
- Hayes, Brian
- Jack
- Kastner, Marc A.
- Keldysh, L.
- Koshiha, Masatoshi
- Lange, Russel C.
- Levi-Setti, Riccardo
- Lipman, Everett
- Little, William A.
- Lyon, John
- Maiani, Luciano

- Men., Gary
- Muller, Dietrich
- Muraki, Yasushi
- Nagano, Motohiko
- Neal, Homer
- O'Neill, F.J.
- Ong, Rene
- Payne, Jacky
- President Clinton
- President's Committee on the National Medal of Science
- Price, P. Buford
- Redwine, Robert P.
- Riemer, Robert L.
- Roebuck, E.
- Roger
- Rosenberg, Leslie J.
- Rouvillois, P.
- Sadoulet, Bernard
- Schatz, G.
- Schwartz, Melvin
- Sharp, Alexander E.
- Smith, A.J.S.
- Snow, George
- Sokolsky, Pierre V.
- Sulak, Lawrence R.
- Teplitz, Vigdor L.
- The University of Chicago Alumni Association
- Tigner, Maury
- Trilling, George H.
- Turlay, Rene
- Vincent, Michel
- Watson, A.A.
- Weekes, Trevor C.
- Williams, P.K.
- Wilson, Alan
- Winston, Roland
- Witherell, Michael S.
- Wojcicki, Stanley

Box 59

Folder 7

Correspondence, 1990-1994

- Antreasyan, Dikran
- Bahcall, John
- Berley, David
- Bernadotte, Grafyn Sonja
- Blanford, Roger D.

- Cabibbo, Nicola
- Capdevielle, J.N.
- Cassel, David G.
- Castaldi, Rino
- Coleman, Lawrence A.
- Detraz, Claude
- Fortner, Lewis
- Gaisser, Thomas K.
- Giovannelli, Franco
- Gray, Hannah Holborn
- Gunning, Robert C.
- Haissinksi, Jacques
- Heemann, Warren
- Kautzky, Hans
- Kerr, Frank J.
- Kifune, Tadashi
- Lipman, Everett
- Loh, Eugene C.
- Maiani, Luciano
- Marvin, Ursula B.
- Massenet, Oliver
- May, J. Peter
- McDermott, Mark N.
- Neal, Homer
- Newman, Harvey
- Patel, Kumar
- Plecy, Anne
- Press, Frank
- Raven, Peter
- Ricker, George R.
- Rieser, Leonard M.
- Rudmose, Wayne
- Schwarzschild, Bertram M.
- Sonnenschein, Hugo
- Teplitz, Vigdor L.
- The Physical Review
- The University of Chicago
- Townes, Charles H.
- Tran Thanh Van, J.
- Wasserburg, Izaak
- Winston, Roland
- Yodh, Gaurang B.

Box 60

Folder 1

Correspondence, 1991-1996

- Agrawal, P.C. 1996

- Amati, Daniele 1995
- Bidwell, Charles E. 1993
- Bobisut, Furio 1995
- Bogorad, Lawrence 1992
- Boratau, Murat
- Buitter, Jeanne 1991
- Campbell, D.K. 1995
- Chen Ning Yang 1992
- Chilligarian, Ashot 1995
- Cornell, Eric 1996
- Cowsik, Ramanath 1995
- Ekers, R.D. 1995
- Engler, J. 1995
- Fannoney, Susan 1995
- Gaisser, Thomas K. 1992
- Ginzburg, Vitaly L. 1995
- Hermanowicz, Joseph C.
- Hess, Wilmont 1995
- Hildebrand, Roger 1992
- Hoddeson, Lillian 1995
- Khrenov, Boris 1995
- Khristiansen, George B.
- Kleppner, Daniel 1992
- Kurtis, Bill 1992
- Lanouette, William 1992
- Magidor, M. 1996
- Nikolaev, M.E. 1995
- O'Fallon, John 1995
- Petrie, Paul E 1992
- Piecy, Ann 1991
- Richter, Burton 1995
- Ringo, Roy 1995
- Riordan, Michael 1992
- Sampson, Scott Paulik 1993
- Schriesheim, Alan 1995
- Sevi-Setti, Riccardo 1993
- Simpson, John A. 1995
- Sreekantan, B.V. 1995
- Steele, Raymond 1995
- Steinberger, Jack 1995
- Stevens, Milo 1992
- Thaddeus, Patrick 1996
- Turlay, Rene 1992
- Waxmonsky, Gary R. 1992
- Winstein, Bruce D.
- Worklan, Mary Ann 1992

- Zacher, Hans F. 1995

Box 60

Folder 2

Correspondence, 1992

- Arnegard, Maria
- Brassay, G.
- Burke, Peter John
- Cohen-Tannoudji, Claude
- Eilam, Gad
- Estes Jr., Maurice G.
- Fritzsche, Hellmut
- Gibbs, Kenneth
- Gottfried, Kurt
- Gray, Hanna Holdborn
- Hayz, David
- Hecker, Sigfried
- Hiatt, Howard H.
- Hildebrand, Roger
- Hoffman, Cyrus M.
- Homans, Celia E.
- Hornback, Dave
- Jovanovic, Drasko
- Krymsky, G.F.
- Laumann, Edward O.
- Levi-Setti, Riccardo
- Lewis, Betty
- Lloyd-Evans, Jeremy
- Lord, Jere J.
- Maley, Wayne A.
- Massey, Walter
- Nagy, Elemer
- Rosner, Jonathan L.
- Schmal, Helga
- Steiner, Herbert
- Taylor, Joseph H.
- Tran Thanh Van
- Tubis, Arnold
- White, Victoria
- Williams, P.K.
- Wyngaarden, James B.

Box 60

Folder 3

Correspondence, 1996

- Galison, Peter
- Garmire, Gordon
- Hogan, Alice

- Massenet, Olivier
- Rapp, Patrick D.

Box 60

Folder 4

Correspondence, 2000-2006

- Brigitte, Beuseroy 2000
- Goldman, Allen M. 2000
- Kadushevsky, V. 2003
- Kalmus, George 2000
- Neel, Jasper 2004
- Nekipelov, A. 2006
- Pilcher, James 2005
- Plitt, Patricia 2000
- Sissakian, A. 2006
- Thomas, Robert Hyer 2006
- Turner, R. Gerald 2005
- Wilhelm, Ivan 2004
- Zanettin, Bruno 2000

Box 60

Folder 5

Cronin Correspondence, 1988

- Adair, R.K.
- Anderson, Kelby
- Bernadotte, Sonja
- Biacomelli, G.
- Brown, Stanley G.
- Carera, Blas
- Chandrasekhar, S.
- Conversi, marcello
- Dick, B. Gale
- Dixon, Alan
- Dumas, Lawrence B.
- Fields, T.H.
- Fleming, Gene
- Gaidos, James A.
- Goldhaber, Gerson
- Gordon, Robert E.
- Henderson, Sharon
- Hildebrand, Bernard
- Hirsch, Dorothy
- Hotel, Charles
- Hurley, Virginia
- J. tran Thanh Van
- Jensen, Sharon
- Jones, Ann
- Kamata, Noichi

- Khuri, Nicola N.
- Lande, Kenneth
- Lanou, Bob
- Lederman, Leon
- Levi-Setti, Riccardo
- Luz, Zeev
- Lynch, John T.
- Mannelli, Italo
- McDaniel, Boyce
- Melissinos, A.C.
- Monroe, Linda
- Morse, Robert A.
- Naggett, Neil V.
- Navenberg, Uriel
- Nicholas, Ralph W.
- Nordstrom, D.L.
- Nygren, David R.
- Ong, Rene
- Perez-Mendez, Victor
- Pipkin, F.M.
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- Quigg, Chris
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- Renzini, A.
- Sadoulet, Bernard
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- Setti, G.
- Shapiro, Maurice
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- Smith, Janet
- Smith, Philip M.
- Steinberger Jack
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- Ting, Samuel C.
- Treiman, Sam B.
- Van Hove, L.
- Wdowczyk, J.
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- Winstein, Bruce
- Wirszup, Izaak
- Wojcicki, Stanley G.
- Zeller, Michael E.
- Zichichi, A.

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- Aberman, Mark
- Aharonian, Felix
- Amatuni, A.
- Bodnarczuk, Mark
- Bryant, Robert L.
- Chudakov, A.E.
- Chvan Sheng Liu
- Clay, R.W.
- Cline, David
- Dunietz, I.
- Ellis, John
- Erber, Tom
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- Fontaine, gerard
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- Henri, Victor
- Herman, bob
- J. Tan Thanh Van
- Kalbfleisch, George R.
- Kanevsky, Boris
- Kastor, David
- Kifune, Tadashi
- King, Pamela
- Kleinknecht, K.
- Kriste, E.
- Lamb, R.C.
- Lang, Mark J.
- Lederman, Leon
- Lee, John W. Aronson, Samuel
- Lowell, Donald F.
- M.E. de la Cruz
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- McDermott, Mark N.
- Nagle, Darragh
- Newport, Brian J.
- Pasachoff, Jay M.
- Paul, Wolfgang
- Protheroe, R.J.
- Rubinstein, Roy
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- Turkevich, Tony
- Turver, K.E.
- Walker, William D.
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- Aberman, Mark
- Berkhourt, U. Meyer
- Berley, David
- Bowie, Marilyn A.
- Bryant, Robert L.
- Christensen, Karl
- Cline, David
- D'Amato, Alfonse M.
- Dehmelt, Hans
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- Gibbs, Ken
- Goodman, Jordan
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- Herman, Bob
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- Janlaskog, Cecilia
- Johnston, J. Bennett
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- Kinso, E.
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- Lederman, Leon
- Lee, John W.
- Lozansky, Edward D.
- Malamud, Ernest
- Moynihan, Daniel Patrick
- Muller, D.
- Muller, Dietrich
- Mulrory, Brian
- Nambu, Yoichiro
- Osterbrock, Donald E.

- Protheroe, R.J.
- Rau, A.R.P.
- Raven, Peter H.
- Rogers, Estelle H.
- Rubinstein, Hector R.
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- Schramm, David
- Shapiro, Maurice M.
- Steinberger, Jack
- Stutsman, Jane T.
- Thompson, Howard
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- Voyvodic, Louis
- Watson, Alan
- Winstein, Bruce
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- Akerlof, Carl
- Arafune, June
- Bardon, Marcel
- Berezingsky, V.S.
- Busza, Wit
- Campanella, Luigi
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- CASA Physicists
- Casper, Gerhard
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- Cooper, Gerhard
- Council Secretariat
- Coupal, David P.
- Curtis, Lawrence
- Dresselhaus, Mildred
- Franklin, Melissa
- Gilman Fred
- Gray, Hanna Holborn
- Gross, Paul R.
- Institute for Cosmic Ray Research
- Jarlskog, Cecilia
- Knippenberg, Theo
- Llewellyn-Smith, Chris H.
- Maiani, Luciano
- Massey, Walter E.

- Meisel, Martin
- Meschia, Steven
- Muller, Dietrich
- Nolte, Sandy
- Nugent, Becky
- Onlov, Yuri
- Perl, Martin L.
- Pines, David
- Pinkston, W.T.
- Press, Frank
- Ritchie, Jack
- Saunders, Ann
- Segal, I.E.
- Shapiro, Maurice M.
- Smith, A.J.S.
- Sokolsky, Pierre
- Stroke, Henry
- Thompson, Howard
- Unruh, W.G.
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- Boymond, J. P.
- Frisch, H.
- Goldwasser, Edwin L.
- Knapp, B.
- Liu, J.
- Pilcher, J.
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- Frisch, H.
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- Sanford, James R.

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- Cox, Brad
- Goldwasser, Edwin L.
- Greene, Arthur F.
- Groies, Tom
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- Pirove, P.
- Sanford, James R.

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Fitch Correspondence and Articles, 1958-2015

- Adair, Robert K.
- Armstrong, Neil A.
- Black, Corinne M.
- Blakeslee, Alton
- Fitch, Val
- National Academy of Sciences
- Reynolds, George T.
- Treiman, Sam

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- Appel, Jeffrey A.
- Berley, David
- Berry, Stephen
- Bhat, C.L.
- Bittinger, Sara
- Boratav, Murat
- Cecchetti, Floriana
- Cowen, Ron
- Crooker, Peter P.
- Freedman, Joyce B.
- Garza, Linda
- Gilbert, Judy
- Haidemanakis, E.D.
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- Heintze, Joachim
- Illinois Institute of Technology
- Krieger, David
- Laumann, Edward O.
- Levi-Setti, Riccardo
- Lightbody, John W.
- Locker, Milan

- Lysiak, Richard
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- J. Cronin Correspondence, 1997
 - Fraser, Gordon
 - Grize, F.
 - Ito, N.
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- J. Cronin Correspondence, 2000
 - Blumer, H.
 - Buisson, Laurent
 - Grapham, Catherine G.
 - Kraar, Martin S.
 - Matthews, Susan R.
 - Metcalf, William J.
 - O'Nions, Keith
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- J. Cronin Correspondence, 2001
 - Bernthal, Fred

- Brown, Stanley G.
- Celone, Laurelyn N.
- Cornell, Eric
- Detraz, Claude
- Einaudi, Giorgio
- Ketterle, Wolfgang
- Lader, Linda LeSourd
- Lee, T.D.
- Moody, Liz
- Muller, Dietrich
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- Zank, Gary P.
- Zichichi, Antonino

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- J. Cronin Correspondence, 2002
 - Colombani, M. Pascal
 - Chandrasekhar, S.
 - Fulde, Peter
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- J.W. Cronin Correspondence, 1981
 - Anderson, H.L.
 - Berley, David
 - Bialas, A.
 - Bowen, William G.
 - Brown Jr., Edmund G.
 - Chapman, Albert S.
 - Cyert, Richard M.
 - Dar, Arnon
 - Drell, Sidney D.
 - Elwood
 - Fitch, Val
 - Hesse, Robert R.
 - Holliday, Andrea
 - Koch, H. William
 - Marlow, A.R.
 - McCarthy, Robert L.
 - Mudinger, Donald C.
 - Pierce, J.W.
 - Pilcher, Jim

- Rau, R. Ronald
- Reynolds, Brian
- Rosner, J.
- Solan, A.
- Taylor, Joseph H.
- Taylor, Richard E.
- Ting, Chongfu
- Trilling, George H.
- Vineyard, Heorge H.
- Yankelevich, Tatyana
- Zalan, Tom
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J.W. Cronin Correspondence, 1982

- Abraha, Elihu
- Abrams, Susan E.
- Atherton, Henry
- Axler, Barry
- Banner, Marcel
- Barron, Bailey
- Baskin, Cathryn
- Belletini, Georgio
- Berkelman, Karl
- Bernadotke, h.c. Graf Lennart
- Blair, William
- Bramkov, G.
- Buchanan, Charles
- Carruthers, Peter A.
- Casey, Deborah
- Coet, Pierre
- Craigie, Neil
- Danilov, Victor J.
- Delmelt, Hans G.
- Doble, Niels T.
- Eisenberg, Y.
- Fanton, Jonathan F.
- Frauenfelder, Hans
- Fritzsche, Hellmut
- Gabathuler, Erwin
- Glenn, John
- Gollin, George
- Gray, Hanna, Holborn
- Hayano, R.S.
- Hill, Harold
- Hornal, Fernand

- Horpedahl, Alice
- Igo-Kemenes, Peter
- Ikenberry, Stanley O.
- Inghram, Mark
- Kim, Yeong E.
- Kornberg, Elliot
- Lederman, Leon M.
- Lewis, Edward
- Matheson, Jim
- Meyer, Peter
- Perl, Martin L.
- Physical review Letters
- Pilcher, James E.
- Ramond, Pierre
- Ray, Gordon N.
- Reynolds, Geo T.
- Rotem, Zeev
- Rubio, J.A.
- Strattman, Anne
- Von Dardel, Guy
- Weber, Robert L.

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J.W. Cronin Correspondence, 1983

- Adams, Robert McC.
- Anderson, E.W.
- Chandrasekhar, S.
- Commins, Eugene D.
- Coupal, David
- Crasemann, Bernd
- Disch, Gerald J.
- Doble, Niels
- Dorfman, Jonathan
- Febbel, Thomas
- Fitch, Val
- Friedlander, Erwin M.
- Heintze, J.
- Hill, Harold
- Huberman, Eliezer
- Kienzle, Werner
- Lederman, Leon M.
- Lipkin, Harry J.
- Mechanic, David
- Meyer, Peter
- Meyerhof, Walter
- Meyers, Robert A.

- Milliken, Barrett
- Murphy, P.G.
- Nishikawa, Koichiro
- O'Brien, Richard D.
- Pilcher, James E.
- Rice, Stewart A.
- Riedasch, Gail M.
- Robbins, Allen B.
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- Coet, Pierre Lewis
- Foa, Lorenzo
- Plitt, Pat
- Stephens, Alfred
- Takahashi, H.
- Tanner, Neil
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- Casella, Russell C.
- Department of Public Information
- Green, Louis C.
- Joan
- Lubkin, Gloria B.
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- Guha, Subhendu
- Ovshinsky, Stanford R.
- Sakharov, A.D.
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Series IV: Pierre Auger Project

This series will contain materials related to Cronin’s work as a co-leader of the Pierre Auger Observatory in Argentina and his work on cosmic rays. Subseries I include incoming and outgoing correspondence with scientists, organizations, and government officials to form, develop, and build the Pierre Auger Observatory. Subseries II contains materials related to the development and running of the Auger Observatory. Subseries III contains the research, lectures, and presentations that Cronin created as he helped develop the Auger Observatory and conduct his research on cosmic rays.

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- Lafalla, Arturo P.
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- Daneri, Alejandro
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- Del Bello, Juan Carlos
- Eisenstein, Robert
- Ferreira, Emma V. Perez
- Ferrer, Aldo
- Filevich, Alberto
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- Bignoli, Arturo J.
- Campi de Figueroa, Stella
- Caputo, Dante
- Cobos, Julio
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- Dehmer, Joseph
- Ferrer, Aldo
- Iarocci, Enzo
- Iglesias, Roberto
- Illnerova, Helena
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McKay et al. "A Northern Sky Survey for Astrophysical Point Sources of 100 Tev Gamma Radiation," 1993

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Ong, Memo to CASA – MIA, Getting Rid O Muon Events by Cutting on Accidentals, 1993

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- Binns, W. Robert
- Cowsik, Ramanath
- L'Heureux, Jacques
- Ramana-Murthy, P.V.
- Webber, William R.

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Seminar Correspondence, 1995-1996

- Connell, Jim
- Grunsfeld, John
- Johnson, Anita

- Joyce, Dorothy
- Labrador, Allan
- Meyer, Peter
- Muller, Dietrich
- Rivero, Yaremi
- Shull, Mike

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The Influence of the Universal Microwave Background Radiation on the Extra-Galactic Cosmic Ray Spectrum, 1994

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- Davis, Michiko
- Kamata, Koichi

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Ciampa, Search for Compact Sources of Cosmic Photons Above 200 TeV, Oct. 15, 1992
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Cooper et al. Measurement of Cosmic Ray Air Shower Development at Energies Above 0.1 EeV, May 8, 1991
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Covault, A Planned Search for UHE Gamma Rays from AGN using the UMC detector Facility: Implications for Big Bang Cosmology, undated
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Cronin, CASA Note, Lateral Distribution of Electrons and Muons

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Cronin, CASA Note, Study of Large Muon Showers, Nov. 27, 1990

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Cronin et al. A Search for Discrete Sources of 100 TeV Gamma – Radiation, July 23, 1991

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Cronin Memo to CASA Physicists, CASA Meeting April 5, 1991

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Cronin, Message to CASA Physicists, Another Construction Crisis, Oct. 3, 1989

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Cronin Message to CASA Physicists, Pre-SLC Meeting, Aug. 15, 1989

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Fick, UMC: A Sensitivity, New Detector for the UHE Gamma-Ray Astronomy, undated

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Fick, UMC Collaboration Memo Initial Cherenkov Telescope Studied of CASA Systematics, July 11, 1990

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Gibbs et al. A Search for 100 TeV Emission from the Crab Nebula and Pulsar using the UMC Detector, undated

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Green and Gibbs et al. Design Parameters for a 1020 eV Array, 1992

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Green Memo to UMC Collaboration, Passi/Telescope direction Comparison, Oct. 2, 1991

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Green Memo to UMC Collaboration using Array and Fly Eye Data in Event Reconstruction, Sept. 19, 1990

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Mascarenhas Some Investigations on the External Offsets and the Reconstructed Angles, June 27, 1989

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Van der Velde, Muon and Electron Lateral Distributions in EAS from 1016 eV as observed by the UMC Dectet, undated

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Van der Velde, On the Akeno Method of Mastering the Proton Air Cross Section, Nov. 1992

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Van der Velde, Research Note, Search for Gammas from PSR 1957, July 1990

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Van der Velde, Some Calculations for a very large Array, April, 1989

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Van der Velde, The tall of the Elephant, Dec. 20, 1991

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Van der Velde, Update #2 on Lateral Election Distributions, May 17, 1991

Series V: Awards

This series will contain awards, medals, and documents granted to Cronin. Correspondence about award planning and related award materials are also included.

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Physical award from the Benemérita Universidad Autónoma de Puebla, Mexico ((BUAP).
Translation: Recognition for his contribution to the advancement and diffusion of Physics,
Faculty of Physical Mathematical Sciences.

Box 114

Physical award from the Brookhaven National Laboratory. 1947-1987 Associated
Universities, INC. James Cronin.

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- Adams, Robert McCormick
- Atwood, Marjorie 1988
- Bacher, Robert F. 1985
- Bacon, Sr., Warren Hollis
- Bethe, Hans A.
- Blair Jr., Charles M.
- Branscomb, Lewis M. 1986
- Brobeck, William A.
- Cannon, William B. 1985

- Carlson, Richard R. 1985
- Carroll, George T.
- Carroll, George T. 1986
- Charpie, Robert A. 1985
- Clark, Allan H. 1985
- Colgate, Stirling A. 1986
- Compton, W. Dale 1985
- Cool, Rodney L. 1985
- Courant, Ernest D. 1986
- Davis, Morris S. 1985
- Desio, Robert W. 1986
- Ferbel, Tom 1986
- Friedman, Jerome I. 1985
- Getting, Ivan A. 1985
- Goldhaber, Gertrude S. 1985
- Goldhaber, Maurice 1985
- Good, Myron L. 1985
- Greenwalt, Crawford H. 1985
- Gregg Jr., Lucius P. 1985
- Hamermesh, Morton 1985
- Havens Jr. W.W.
- Heineman, Ben W. 1985
- Jesseman, Werdell 1985
- Johnson, Robert M.
- Kernan Jr., William J. 1985
- Ketter, Robert 1985
- Koffler, Henry 1985
- Langsdorf Jr., Alexander 1986
- LeCroy, Walter 1988
- Lederman, Leon 1985
- Lindsey, Gardner 1985
- Lirakis, Christopher 1986
- Madabsky, Leon 1985
- Marsh, Robert J. 1985
- Marshak, Robert E. 1985
- Mayall, Nicholas U.
- McDaniel, B.D. 1985
- McFadden, Anne 1985
- McLeod, Donald B. 1986
- McMillan, Edwin M. 1985
- Merritt Jr., Lynne L
- Miller, Donald
- Month, M. 1986
- Month, Mel 1987
- Nason, Howard K.
- Norman, Arthur G.

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- Packard, David
- Pake, George E. 1985
- Panofsky, Wolfgang K.
- Phillips, Gerald C.
- Plano, Richard J.
- Pondrom, Lee G.
- Ramsey, Normal F.
- Reardon, Paul J. 1988
- Robinson, G. D.
- Rohrer, E. Parke 1986
- Rosner, Carl 1985
- Schairer, George S. 1985
- Schuette, Oswald
- Segre, Emilio G.
- Sharer, Marypat
- Smyth, Genry DeWolf
- Snow, George A.
- Stein Jr., Sydney
- Ticho, Harold
- Warner, J. C.
- Weaver, Albert B.
- Webster, William
- Weiss Kopf, Victor F.
- Williams, Steve 1987
- Wilson, O.M.
- Wilson, Richard
- Wolfe, Harry 1985
- Wong, James 1985
- Woolf, Henry 1985
- Worth, James V. 1985
- Zaffarano, Daniel J.

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Wilson Prize Nominations, 1977-1988

Series VI: Audio/Visual

This series contains photographs of Cronin, including portraits and group photos. It has pictures taken during Cronin's scientific career, including a Grainger Fellows Photo (2000), a Fermi Archival Photo Collection, a group lab photo, an Auger Lab Photo, images related to the Auger Observatory, and physics department photos. General photos from 1977 – 2009, travel photos to Moscow, Japan, Perpignan, Provence, Japan, and Vietnam (1987-1994, 1997), one photo album from 1987, and photos from Cronin's Nobel Prize ceremony are also included. There are 17 folders of slides, 26 VHS tapes, 18 cassette tapes, and 8 CD-ROMs.

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CERN Slides, undated (1/2)

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Monte Carlo Program – Neutral Decay slides, undated

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VHS videotape - Dr. Cronin Lecture

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VHS videotape - Enrico Fermi and the First Controlled Nuclear Chain Reaction, 2002

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VHS videotape - Fermi Dedication Stamp Unveiling

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VHS videotape - Fermi testimonials tape 1 of 3

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VHS videotape - Knasnen Retirement

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VHS videotape - The Magneil/Lehrer News hour #3299, 1988

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Folder 5

VHS videotape - Mensajeros del espacio, undated

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VHS videotape - National Academy of Science Public Symposium, 1998 (1/2)

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VHS videotape - National Academy of Science Public Symposium, 1998 (2/2)

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VHS videotape - Professor James W. Cronin NP Physics, 1980

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VHS videotape - Professor Subrahmanyan Chandrasekhar NP PHY 83 and Professor Val Fitch NP Physics, 1980

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VHS videotape - See it now Ed Murro Staggs Field 10 YR Ann. Running time N 20 min
Nova Leo Szilard, undated

Box 121

Folder 1

VHS videotape - Stand Fast Chicago, 1991

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Folder 2

VHS videotape - Super-Kamiokande-Construction Notes, undated

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VHS videotape - Three University of Chicago Professors Receive National Medal of
Science, 2000

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VHS videotape - The University of Chicago Changed the World, undated

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VHS videotape - W.J. Cronin 1, undated

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VHS videotape - W.J. Cronin 2, undated

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CD - 62nd Lindau Nobel Laureate Meeting (physics), 2012

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Folder 2

CD - Acto De Investidura Doutores Honoris Causa, undated

Box 122

Folder 3

CD - Acto De Investidura Doutores Honoris Causa, 2009

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Folder 4

CD - Curved Force Line Elements Theory: resolving the Limits on Modern Physics by Kang Whan Ju, 2011

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Folder 5

CD - Fermi Archive, 10/27/2005

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CD - El Ibservatirui Pierre Ayger en dos videos de divulgacion cientifica, 2005

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CD - Lindau-Nobel, 2010

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CD - Nobel lectures Physics, 1901-1995

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CD - Nobel lectures physics, 1901-1995 (2)

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CD - The Physical Review, the First Hundred Years, 1995

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Folder 11

CD - Pierre Auger Parle, undated

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Folder 12

CD - President Barack Obama's Address on Science and Innovation, 2009

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CD - Sixth International Workshop on New Worlds in Astro particle Physics, 2007

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Folder 14

CD - University of Chicago Special Collections Research Center Archival Photo files Enrico Fermi Collection 22jpegs, undated

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CD - Unlabeled CD, undated

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CD - University of Chicago fermiposer.psd, undated

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DVD - The MAGIC Telescopes, Eyes for the Extreme Universe, 2010

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DVD - From the PS to the LHC, 50 Years of Nobel Memories in High-Energy Physics, 2009

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Folder 1

22 mm Film - C* 11, Mar. 200, 1962

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Folder 2

22 mm Film - Film from First Spark Chamber Run, Lofgren, and J. Cronin, undated

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22 mm Film – 281928 82957, undated

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22 mm Film – V172, undated

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Audio cassette tape - Focus 580 Hour One Letterman/Cronin – Big Science, 6/9/1988

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Audio cassette tape - NPR's TOTW: Science Friday Antimatter, 9/10/1999

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Audio cassette tape - Symmetry, Antimatter, and the Big Bang, July 1981

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Audio cassette tape - Jim Cronin, Murat BORATOV, 1994

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Audio cassette tape - Stephen Hawking's "A Brief History of Time" Tape #1, undated

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Audio cassette tape - Stephen Hawking's "A Brief History of Time" Tape #2, undated

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Audio cassette tape - Stephen Hawking's "A Brief History of Time" Tape #3, undated

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Audio cassette tape - James Cronin: "What Does a High-energy Physicist Really Do?" 1990

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Audio cassette tape - Distinguished Lecture Series "The Highest Energy Cosmic Rays," 1997

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Audio cassette tape - Cosmic Ray Workshop, All Things Considered, 8/3/2000

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Audio cassette tape - To Fermi with Love, undated

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Audio cassette tape - James Cronin Press Conference, 10/14/0980

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Audio cassette tape - JWC Tape Label: Paris

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Audio cassette tape - J.W. Cronin H. H. 2g.8.77

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Audio cassette tape - 24/04/92

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Audio cassette tape - Meitec 1, 1991

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Audio cassette tape - 24/04/92 Aires midi

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Audio cassette tape - 22/04/92 malin (0 0 271)

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Audio cassette tape - Prof. James Cronin/John Cody, 9/29/200123/04/92

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Audio cassette tape - 24/04/92 8π -> 10π

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KLCP (Kavli Institute for Cosmological Physics) at the University of Chicago mug

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This series contains restricted personnel, financial, and student material. These items will be circulated once the restrictions have passed or have been reassessed by an archivist. Restricted

materials for 30 years from the date of creation will be available in 2030. Restricted materials for 50 years from the date of creation will be available in 2054. Restricted materials for 80 years from the date of creation or death will be available in 2085.

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- Corbett, Ian F.
- DAAD
- Del Bello, Juan Carlos
- Ely, Robert P.
- Fernandez, Arturo
- Ferrer, Aldo
- Foa, Lorenzo
- Fraser, Gordon
- Freijo, Jose Luis
- Galvin, Bob
- Gaubin, Lili
- Hojvat, Carlos
- Jorgenson, Maria Cristina
- Langenberg, Donald N.
- Lightbody, Jaek
- Llewellyn-Smith, Christopher
- Lowengrup, Morton
- Ma, Yuqian
- Mantsch, Paul
- Parada, Carlos Bazdresch
- Plitt, Pat
- Quintana, Jaime Martuscelli
- Randel, Don
- Sagenap Panel

- Santos, Eduardo
- Schopper, herwig
- Shanley, Chip
- Sola, Manuel Gargia
- Sommers, Paul
- Thuan, Vo Van
- Williams, P.K.
- Wolff III, Herbert D.
- Yoshimura, M.

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Folder 3

Bertou, Xavier, 2003

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Folder 4

Correspondence, 1961

- Blaisdell, Warren
- Engels Jr., Eugene
- Fairbank, Henry A.
- Fontaine, Thomas D.
- Kayser, Boris
- Vir Sud, Lekh
- Winters, A.

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Folder 5

Correspondence, 1963

- Allison, Samuel K.
- Bertholet, Andre
- Blanpied, W.A.
- Bleakney, W.
- Blumenthal, R.B.
- Bowen, Theodore
- Brown, T. Wistar
- Chamberlain, Owen
- Cool, R.L.
- Dicke, R.H.
- Farlee, M.
- Fontaine, Thomas D.
- Good, Myron L.
- Higinbotham, W.A.
- Hildebrand, Roger H.
- John Simon Guggenheim Memorial Foundation
- Kim, Y.S.
- Kirk, Paul Nelson
- Kobrak, Hans
- Lithium Corporation of America
- Lyall, David

- McMillen, D.
- Penney, R.W.
- Perl, Martin
- Princeton University
- Rau, R.R.
- Renner, Gerald F.
- Reynolds, Geo T.
- Richards, H.T.
- Rosenfeld, Arthur
- Shutt, Ralph P.
- Sloan Foundation
- Vineyard, George
- Waddell, Walter G.
- Wenzel, W.A.
- Wick, G.C.
- Wiley, John A.
- Wyman, Dorothea

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Folder 6

- Correspondence, 1966
- Academic Press Inc.
 - Anderson, Herbert L.
 - Bergman, Wilfred
 - Caldwell, David
 - Clark, Alan
 - Devons, Samuel
 - Dupen, Douglas William
 - Erikson, Donald
 - Fagerstrom, Irene E.
 - Faringholt, Larkin H.
 - Fitch, Val
 - Fregeau, J.H.
 - French, J.B.
 - Furry, Wendell H.
 - Goldhaber, Maurice
 - Goldwasser, Edwin L.
 - Green, Ken
 - Gunther, A.
 - Headley, R.F.
 - James, Fredrik
 - Jovanovic
 - Kraybill, henry
 - Lanou Jr., R.E.
 - Lemonick, A.
 - Lock, W.O.
 - Lu, K.Z.

- Manning, G.
- Margulies, S.
- Marshak, R.E.
- Martin, John J.
- McMillen, D.
- Mishke, R.E.
- Morgan, Joseph
- Nuclear Enterprises
- Overseth, O.
- Phillips, R.H.
- Piccioni, Oreste
- Piche, Lucien
- Pondrom, L.G.
- Sandweiss, Jack
- Seaman, John
- Shochet, Melvyn Jay
- Shutt, Ralph
- Smith, Stewart
- Suhl, Harry
- temple University
- trigg, George
- Turlay, Rene
- Vivargent, M.
- Weaver, Albert B.
- Weber, Robert L.
- Wilson, D.

Box 138

Folder 7

Correspondence, 1968 (1/2)

- Ajzenberg-Selove, Fay
- Appel, Jeffrey A.
- bell, J.S.
- Caspari, Max E.
- CERN
- Chen, James R.
- Cline, David
- Cocconi, Giuseppe
- Commins, Eugene
- Cool, Rodney
- Crowell, James
- Darrlulat
- Diddens, B.
- Dunbar, Charles F.
- Engels Jr., Eugene
- Faissner, Hellmut
- Farinholt, L.H.

- Fields, T.H.
- Fitch, Val
- Ford, Franklin L.
- Furry, Wendell H.
- Gaillard, Jean-Marc
- Getz, Donald R.
- Gluckstern, Robert L.
- Goheen, Robert F.
- Goldwawsser, Ned
- Goudsmit, S.A.
- Gould, Robert K.
- Hand, Louis
- Hatch, Eastman
- Hellend, Jerome
- Hildebrand, Bernard
- Hildebrand, R.H.
- Hoffman, Cyrus
- Holladay, Wendell G.
- Horwitz, Nahmin
- Hotel Metropole
- Hryniewicz, A.
- Joseph, James
- Kazes, Emil
- Krieger, Martin
- Kursunoglu, Behram
- Lawrence Radiation Laboratory
- Lederman, Leon
- Lender, richard
- Liberman, Arthur
- Lipman, Norman
- Livingston, M. Stanley
- Loeffler, F.J.
- Longo, Jones, and Overseth
- Lowenstein, Derek I.
- Lubkin, Gloria B.
- Lustig, Harry
- Lyons, Donald H.
- Lypecky, Joe
- Mickey, Jane
- Miller, Donald
- Miller, Douglas
- Nathan, Alan
- Nezrick, Frank A.
- O'Fallon, J.R.
- Osborne, Louis S.
- Panofsky, W.K.H.

- Peterson, Vince
- Petrik, Eugene V.
- Piggott, John
- Pound, R.V.
- Roper, David
- Rossi, Richard
- Rubbia, Carlos
- Sachs, Robert G.
- Samios, N. P.
- Schlutz, Jane
- Schubert
- Schwartz, Mel
- Steel, E.W.D.
- Steinberger, Jack
- Stoicheff, B.P.
- Strauch, Karl
- Thomas, Robert H.
- Thorndike, Alan
- Ting, S.C.C.
- Tollestrup, Alvin
- Trigg, George
- Trilling, George
- Turlay, Rene
- Verkehrsburo, Osterreichishes
- Wales, Walter
- Weneser, Joseph
- Wenzel, William
- White, Frederick E.
- Willis, William
- Wilson, Dick
- Wilson, Richard
- Winter, Laus
- Wooldridge Jr., C.W.

Box 138

Folder 8

Correspondence, 1968 (2/2)

- Ajzenberg-Selove, Fay
- Banner, Marcel
- Bartlett, D.
- Barut, A.O.
- Bennett, Sheldon
- Bernstein, Seymour
- Berthelot, A.
- Brisson, Violette
- Cool, Rodney
- Crowell, James

- D'Ambrosio, Helen L.
- Farinholt, L.H.
- Fields, T.H.
- Gluckstern, Robert L.
- Goldwasser, Ned
- Goudsmit, S.A.
- Gretz, Donald
- Hellend, Jerome
- Hildebrand, bernard
- Hoffman, Cyrus
- Holladay, Wendell G.
- Horwitz, Nahmin
- Hrynkiewica, A.
- Lemonick, Aaron
- Lender, Richard
- Loeffler, F.J.
- Longo, Jones and Overseth
- Lyons, Donald H.
- Lypecky, Joe
- Munir, B.
- O'Fallon, J.R.
- Panofsky, W.K.H.
- Peterson, Vince
- Petrik, Eugene V.
- Pipkin, F.M.
- Pusey, Nathan
- Rao, K. Nahahari
- Rau, R. Ronald
- Ray, Gordon N.
- Reed, Lincoln
- Reynolds, Geo T.
- Romanowskui, Tom
- Roper, David
- Rosen, Jerry
- Samios, N.P.
- Sandusky
- Schlein, Peter
- Schlutz, Jane
- Schwaner, Jane
- Shapiro, maurice M.
- Shapiro, Morris
- Snyder, Evan
- Standford University
- Steel, E.W.D.
- Stoicheff, B.P.
- Strauch, Karl

- Stump, R.
- Tollestrup, Alvin
- Trigg, George
- Turlay, Rene
- University of Pennsylvania
- Verkehrsburo, Osterreichishes
- Wales, Walter
- Walker, James K.
- Weiss, Peter
- White, Frederick E.
- Wilson, R. Lyon
- Wilson, Richard
- Wooldridge Jr. C.W.

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Folder 9

Correspondence, 1969

- Abashian, Al
- Aronson, Samuel
- Ashkin and Kabir
- Ballam, Joseph
- Baltay, C.
- Banner, Marcel
- Berthelot, A.
- Bogolubov, N.
- Bowen, W.G.
- Brittin, Wesley E.
- Burnstein, R.A.
- Carter, Burnham
- Cassel, David
- Cence, R. J.
- CERN
- Cline, David
- Cocconi, Giuseppe
- Computer Center Committee
- Cool, Rodney
- Cormack, Allan M.
- Dunn, Eleanor D.
- Eberhart, Sylvia
- Fisk, James B.
- Fitch, Val
- Gell-Mann, Murray
- Gobbi, B.
- Goldwasser, Edwin L.
- Goudsmit, Samuel
- Gould, Robert K.
- Hand, Louis

- Hayden, Robert J.
- Heiko, Lance
- Hildebrand, Bernard
- Hughes, I.S.
- International Symposium on Electron and Photon Interactions at High Energies
- John Simon Guggenheim Memorial Foundation
- Kohn, Walter
- Kovasznay, Leslie S.G.
- Kunz, Paul
- Lalovic, D.I.
- Lee, Wonyong
- Liv, J.K.P.
- Lock, W. O.
- Marshak, Marvin L.
- Martin, S. M.
- McDaniel Boice
- McVoy, K. W.
- Miller, Douglas
- Morfin, J.G.
- Nagle, Darragh
- Overseth, Oliver
- Peterson, Vince
- Piccioni, Oreste
- Piggott, John
- Pilcher, James
- Piroue, Pierre
- Plonski, Catherine
- Pratt, R.H.
- Prentki, J.
- Rau, R. Ronald
- Rubbia, Carlos
- Sachs, Robert G.
- Silveira, Adel de
- Stehle, Philip
- Steinberger, Jack
- Surko, Pamela
- Telegdi, Val L.
- Thevenet, Bernard
- Thompson, William
- thorndike, Alan M.
- Turlay, Rene
- Valkenburg, M.E. Van
- Volkoff, george
- Wales, Walter
- Wenzel, W.A.
- Wilson, Richard

- Wilson, Robert
- Wong, Mervyn
- Wooldredge Jr., C.W.

Box 138

Folder 10

Correspondence, 1970

- Abashian, Al
- Ballam, Joseph
- Bartlett, D.F.
- Bhattacharya, D.P.
- Bleidan, Richard
- Bowen, Theodore
- Brown, Harrison
- CERN
- Chronetics Inc.
- Cleland, Freytag, and Schultz
- Cocconi, Giuseppe
- Cool, Rodney
- Cork, Bruce
- Cormack, A.M.
- Csonka, Paul L.
- Devlin, T.
- Elder, Joseph D.
- Eskey, Jodi
- Farinholt, L.H.
- Freeman, Arthur J.
- Frisch, David
- Gaillard, Jean-Marc
- Goheen, Robert F.
- Goldwasser, Edwin L.
- Haddock, R.P.
- Hildebrand, Roger
- Hofstadter, Robert
- Howells, M.R.
- Hughes, I.S.
- Jensen, Douglas A.
- Jentschke, W.
- Kaye, Emilie
- Killalea, J.N.
- Knox, R.S.
- Krisch, Alad D.
- Lanov, Robert
- Lecroy Research Systems Corporation
- Lemonick, A.
- Lestor, Richard
- Lock, W. O.

- Lohrmann, E.
- Mann, Al
- Mathias, James F.
- Meyer, Donald
- Nash, thomas
- Newman, David
- Nuclear Instrumentation
- Panofsky, W.K.H.
- Pasternack, S.
- Pilcher, James
- Plonski, Catherine
- Pondrom, Lee G.
- Pratt, R.H.
- Ratner, I.G.
- Ray, Gordon N.
- Reynolds, Geo T.
- Ross, Marc
- Roth, Richard
- Rubbia, Carlos
- Sachs, Robert G.
- Schiff, L.I.
- Schiro, Grace C.
- Sloane Physics Laboratory
- Standford university
- Steinberger, Jack
- Sudarshan, E.C.G.
- Talmadge, V.
- Telegdi, Val L.
- Thompson, William
- thorndike, Alan M.
- Trilling, george
- Turlay, Rene
- Turve, merle
- Vesper, Howard G.
- Walker, James K.
- Warfield, G.
- Watts, T.L.
- Weber, G.
- Wenzel, W.A.
- Wilson, Richard
- Wilson, Robert
- Wong, Mervyn
- Wu, T. T.
- Wu. Sau Lan
- Zdonis, Richard
- Zylbersztejn, Armand

Box 138**Folder 11**

Correspondence, 1970

- Bjorn
- Fitch, Val
- Gray, Hannah Holborn
- Panofsky, W.K.H.
- Perl, Amrtin L.
- Sachs, Robert G.
- Wenzel, W.A.

Box 139**Folder 1**

Correspondence, 1970-1971

- Allain, Bill
- Bahcall, John N.
- Baker, Keith
- Bardon, Marcel
- Brown, Stanley G.
- California Institute of Technology
- Carroll Jr., Eugene J.
- CERN
- Chen, Herbert H.
- Chern, Bernard
- Cherry, Michael
- Cool, Rodney L.
- Cronin, Joseph M.
- Dean, Kristin
- Devlin, Tom
- Durand, Bernice
- Everhart, Thomas E.
- Farinholt, L.H.
- Firestone, A.
- Fischbach, Ephraim
- Fitch, Val
- Flanagan, Dennis
- Frisch, David H.
- Fritzsche, H.
- Galison, Peter
- George, Robert M.
- Glenn, John
- Gray, Hanna Holborn
- Herrington, John S.
- Hofstadter, Robert
- Jones, James T.
- Kadyshevsky, V.
- Kerth, Leroy T.

- Kunz, Paul
- Lanouette, William
- Lederman, Leon M.
- March, Robert H.
- Merzbacher, Eugene
- Morello, Josephine A.
- Okun, Lev
- Paul, Wolfgang
- Pondrom, Lee G.
- Preston, Robert T.
- Princeton University
- Ross, J.B.
- Rubbia, Carlos
- Sachs, R. G.
- Sacton, J.
- Sonnenschein, Hugo F.
- Stanford University
- Straus, Lorna
- Sulak, Larry
- Taylor, lee
- Telegdi, V.L.
- The Economic Club of Chicago
- Turlay, Rene
- University of Colorado
- Von Dardel, G.
- White, Nancy
- Wigner, Eugene
- Wiik, Bjorn
- Yamazaki, Toshimitsu
- Yount, David

Box 139

Folder 2

Correspondence, 1971

- Alburger, David
- Caspari, Max E.
- CERN
- Chen, Herbert H.
- Chen, Wendell
- Crabtree, Barbara
- Devlin, Tom
- Filtuth, H.
- Fitch, Val
- Frisch, Henry J.
- Gaillard, J.M.
- Goldwasser, Ned
- Hildebrand, Roger

- Igo, George
- Keuffel, J.W.
- Kycia, T.F.
- Lipkin, Harry J.
- McDaniel, Paul W.
- Moses, Dean R. M.
- Murph, P. G.
- Nuclear Physics Laboratory
- Poe, R.T.
- Pondrom, Lee G.
- Rasmussen and Roper
- Rau, R. Ronald
- Repellin, J. P.
- Rubbia, Carlos
- Simmons, R.O.
- Stiening, Roy
- Thorndike, E. H.
- Trout, James C.
- Wilson, R. R.

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Folder 3

Correspondence, 1977

- Adair, R. K.
- Anderson, H. L.
- Banner, Marcel
- California Institute of Technology
- Chandrasekhar, S.
- Cocconni, G.
- Goldwasser, Edwin
- Havens Jr., W. W.
- Jackson, J. D.
- Meyer, Peter
- Parker, Eugene
- Ramsey, Norma F.
- segre, Emilio
- Staude, T.
- Steinhardt, Paul J.
- Telegdi, V.L.
- Treiman, Sam
- Walker, J. K.
- Walker, Robert
- Weinberg, Steven

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Folder 4

Correspondence, 1978

- Banner, Marcel

- Burman, Robert
- CERN
- Chandrasekhar, S.
- Fishbane, Paul M.
- Golub, Robert
- National Accelerator Laboratory
- Nygren, David R.
- Piroue, Pierre A,
- Sonderegger, P.
- Ticho, Harold K.

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Folder 5

Correspondence, 1980

- Carruthers, peter
- Jacob, Maurice
- Jaffe, Arthur M.
- Meyer, Peter
- Perl, Martin

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Folder 6

Correspondence, 1984

- Adams, Ruth
- Anderson, Pamela G.
- Appelquist, Thomas W.
- Armstrong, B.
- Baltay, Charles
- Banner, Marcel
- Barnes, C.A.
- Block, Martin N.
- Bock, Gregory
- Cancilla, Norma B.
- CERN
- Coupal, David P.
- Davidson, Ronald
- Dzierba, Alex
- Eisenstein, Bob
- Feldman, Gary
- Ferbel, tom
- Field, Richard D.
- Freund, Peter
- Fritzsche, Hellmut
- Garwin, Richard L.
- Goldberg, Jacques
- Goodstein, Judith R.
- Grannis, Paul
- Gray, Hanna Holborn

- Gross, David
- Hartley, Ian D.
- Hinze, Bradford
- Hitlin, David G.
- Hoyer, Paul
- Hudis, J.
- J. Tran Thanh Van
- Kadanoff, Leo P.
- Kane, Gordon L.
- Keller, Mirella
- Krisch, Alan D.
- Lanouette, William
- Leith, David
- McCliment, Edward
- McClintock, Martha K.
- Milliken, Barrett
- Montanet, Lucien
- Morfin, Jorge
- Nagel, Bengt
- Nambu, Yoichiro
- Palmer, Robert B.
- Pauli, Eugene
- Peoples, John
- Perkins, Donald
- Peyaud, Bernard
- Pilcher, Jim
- Pripstein, Morris
- Rawitscher, George A.
- Rice, Stuart A.
- Rubbia, Carlos
- Seiden, Abraham
- Stone, Edward C.
- Stulman, Stephen L.
- Sulak, Larry
- Tchernenko
- Tigner, Maury
- Trilling, George
- University of Chicago
- Van der Meer, Simon
- Vogt, E. W.
- Wasiolek, Edward
- Weintraub, Karl J.
- West, Geoffrey
- Wikzek, Frank
- Winstein, Bruce
- Wojcicki, S.G.

- Wolf, Emil
- Yamanouchi, Taiji
- Zichichi, Antonino

Box 139

Folder 7

Correspondence, 1985

- Abella, Isaac
- Amperex Corporation
- Arbeitman, Kenneth J.
- Baggett, Neil V.
- Berry, Gordon
- Brockington, P.S.
- Bugg, William M.
- Chandrasekhar, S.
- Clayton, Robert N.
- Cooley, Lance
- Davidson, Walter F.
- Doble, Niels
- Dresselhaus, Mildred S.
- Einsweiler, Kevin
- Englander, Alois
- Gaisser, T.K.
- Garcia, Edward P.
- Gay, timothy J.
- Gell-Mann, Murray
- Hamamatsu Corporation
- Havsammann, R.
- Hurley, Virginia
- Hwa, Rudolph C.
- Jungerman, John A.
- Kahn, Peter B.
- Keling, Wen
- Kistiakowsky, Vera
- Koffler, Henry
- Krasner, H.
- Kusumegi, Asao
- Lederman, Leon M.
- Mac Lane, Saunders
- Mannelli, Italo
- Milliken, Barrett
- Morrison, David L.
- Muilin, Christopher Shane
- Novick, William Z.
- Okun, Lev
- Pavlopoulos, p.
- Perkins, Donald

- R.C.A. Electronic Components
- Robbins, Allen B.
- Rocque, Gene R. L.
- Sackett, Penny D.
- Sacton, Jean
- Schmal, Helga
- Schnatterly, S.E.
- Schopper, Herwig
- Scientific American
- Shullenberger, Paul
- Stanford University
- Stulman, Stephen L.
- Taylor, Richard
- Telegdi, V.L.
- Tribble, R.E.
- Tuan, San Fu
- United Nations
- University of Oxford
- Wahl, Heinrich
- Wilson, R.R.
- Winter, K.
- Yamazaki, Toshimitsu
- Yoshimura, Dwight L.
- Zee, Athony

Box 139

Folder 8

- Correspondence, 1985
- Arnason, Stephen
 - Berkelman, Karl
 - Cook, Victor
 - Coupal, David
 - Davidson, Ronald C.
 - DeSalvo, Riccardo
 - Engels, Jr., Eugene
 - Feldman, Gary
 - Fritzsche, Gellmutt
 - Grainger, David W.
 - Grannis, Paul D.
 - Grunhaus, J.
 - Haar, Paul D.
 - Hsiung, Y.B.
 - Kennel, Charles F.
 - Klinton, Kenneth A.
 - Knize, R.J.
 - Kosowsky, Arthur B.
 - Maki, Ziro

- manelli, Italo
- Mason, Stephen F.
- McDaniel, Boyce D.
- Montanet, Lucien
- Phua, K.K.
- Porter, Frank
- Prescott, C.Y.
- Rosner, Jonathan L.
- Sachs, Robert G.
- Schopper, Herwig
- Segatz, E.
- Shapero, Donald C.
- Stigler, G.J.
- Sullivan, David G.
- Surkis, Alisa
- Taylor, Richard E.
- Treiman, Sam
- Trilling, George
- University of Chicago
- Wojcicki, S. G.
- Wu, Sau Lan
- Zielinski, Judy Ward

Box 139

Folder 9

Correspondence, 1986 (1/2)

- Allen, Ron
- Anderson, A.C.
- Anderson, Don
- Antillon, Jorge Vargas
- Baggett, Neil V.
- Bernadotte, h.c. Graf Lenhart
- Bloch, Erich
- Brockington, P.S.
- Buchanan, Charles
- Cannon Jr., Robert H.
- CERN
- Cordova, France A.
- Derrick, Malcolm
- Deshpande, N.
- Doble, Niels
- Eastus, Mathew
- Fickinger, William
- Foster, Brian
- Fowler, P.H.
- Gaisser, Thomas K.
- Galison, Peter

- Gibbs, Kenneth
- Goldhaber, Gerson
- Griffiths, David
- Gronlund, Lisbeth
- Gurvey, Ariel
- Heer, E.
- Hildebrand, Bernard
- Hollender, Jack M.
- Hope, Kenneth
- Jokipii, J.R.
- Kogut, J.
- Lamb, R.C.
- Lederman, Leon M.
- Loh, Eugene C.
- Lund, Sven
- Lynch, David W.
- Materazzo, Jane
- McDaniel, B.D.
- Nagle, Darragh, E.
- Novick, Robert
- Orlen, Joel
- Radicati di Brozolo, Luigi A.
- Rice, Stuart A.
- Rosenberg, E.I.
- Sachs, Robert G.
- Shapiro, Maurice M.
- Simon, Paul J.
- Smyth, Henry DeWolf
- SSC Board
- Sugarman, Nathan
- Telegdi, V.L.
- Tipton, James D.
- Turner, R.K. Michael
- Turpanov, Alexei
- Turver, K.E.
- University of Rochester
- Winstein, Bruce
- Wolfs, Frank
- Wu, Sau Lan
- Yan, Jici
- Yang, C.N.

Box 139

Folder 10

Correspondence, 1986 (2/2)

- Allkofer, O.C.
- Bernard, Claude W.

- Berry, R. Stephen
- Biggs, Kenneth G.
- Cassidy Jr., George L.
- CERN
- Cho, Adrian
- Clayton, Robert N.
- Cocconi, Giuseppe
- Danilov, Victor J.
- Donahue, D.J.
- Ellis, William G.
- Fritzsche, Hellmut
- Gibbons, Lawrence
- Glavan, Corinne L.
- Gray, Hanna Holborn
- Hall, Dan
- Hardie, Gerald
- Heintze, J.
- Hohmann, Shelia
- Hurley, Virginia
- Jones, L.W.
- Jones, Lawrence
- Kifune, Tadashi
- Kolb, E.W.
- Koshiha, M.
- Koshiha, Toshi
- Kummer, W.
- LaFevers, James r.
- Mannelli, Italo
- Matsumoto, Keniti
- McDermott, Mark N.
- Miller, Idabel
- Montgomery. Hugh
- Museum of Science and Industry
- Nakai, K.
- Pavlopoulos
- Perl, Martin L.
- Read, A. Lincoln
- Reay, Neville
- Samorski, M.
- Scientific Policy Committee
- Sheldon, W.R.
- Stamm, W.
- University of Chicago
- Wallenmeyer, William A.
- Weekes, Trevor
- White, James T.

- Weinstein, Bruce
- Wise, Mark B.

Box 139

Folder 11

Correspondence, 1987 (1/2)

- Anderson, Don
- Becchetti, Fred
- Belle Hini, Giorgio
- Bergman, Douglas
- Bionta, R.M.
- Briefer, Luan
- Caldwell, David O.
- Campbell, F. Gregory
- CERN
- Cho, Adrian
- Chrisman, Bruce L.
- Cline, David
- Cocconi, Giuseppi
- Coupal, David
- Distant, Joan
- Dress, Persis S.
- Eisenberg, Yehuda
- Fickinger, William
- Field, Richard D.
- Frauenfelder, Hans
- Fry, W.F.
- Fulco, Jose R.
- Gassman, Maureen
- Goldberger, Marvin L.
- Gray, Hanna Holborn
- Hanle, Hellmut
- Harvard University
- Hirata, k. Hyams, B.D.
- ICEPP
- Jackson, David
- Jones, L.W.
- Kisslinger, Leonard S.
- Klain, Paul
- Kleinknecht, Konrad
- Kohn, Walter
- Konig, Franz Card.
- Kornberg, Warren
- Lederberg, Joshua
- Lederman, Leon M.
- Mandula, Jeffrey, E.
- Mannelli, Italo

- Marshak, Marvin
- McKay, Tim
- McNeil, Nobuko
- Meyer, Peter
- Muller, Dietrich
- Murdoch, C.
- Murphree, David L.
- National Science Foundation
- New Foyer Hotel
- O'Conner, Nancy
- Paul, Peter
- Portaro Jr., Sam A.
- Reynolds, George T.
- Rice, Stuart A.
- Rich, Arthur
- Rich, James
- Richards, Hugh T.
- Riemer, Robert L.
- Rosener, J.
- Rubinoff, Roberta W.
- Rudnick, Joseph
- Salvino, Dominic J.
- Samios, Nicholas, P.
- Sarelas, Aphrodite F.
- Schochet, Mel
- Schramm, David N.
- Schroeder, Charles E.
- Schultz, Jonas
- Siegler, Mark
- Simpson, John
- Sinha, Srikanta
- Sokolsky, Pierre
- Steinberger, Jack
- Steiner, Peter O.
- Sulak, L.R.
- Summers, Deborah
- Takahashi, Kasuke
- Teledgi, V.L.
- Tigner, Maury
- Trilling, George H.
- Turlay, Rene
- University of California
- Venugopalan, Raju
- Voyvodic, Louis
- Wallenmeyer, William A.
- Watson, Alan

- Weekes, Trevor
- Winston, Roland
- Winter, Klaus
- Yamazaki, T.

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Folder 1

Correspondence, 1987 (2/2)

- Allkofer, Claus
- Anderson, Don
- Berezinsky, V.S.
- Berly, David
- Boersma, R.
- Bromley, D.A.
- Brown, Stanley
- Caldwell, David O.
- CASA
- Cassidy, George
- Cho, Adrian
- Chudakov, A.E.
- Cocconi, Giuseppe
- Dikansky, Nicolas S.
- El-far, Ashraf M.
- Franger, Gary
- Frankel, max
- Freund, Peter
- Giovannelli, Franco
- Gray, Hanna Holborn
- Haskell, Alice
- Holgate, Randy
- Illinois Mathematics and Science Academy
- Kifune, Tadashi
- Klain, Paul
- Lamb, Richard C.
- Loh, Eugene C.
- Lowell, Donald F.
- Marshall, Stephanie Pace
- Montgomery, Hugh
- Muller, Dietrich
- Nagle, Darragh
- Ong, Rene
- Oyama, Y.
- Portaro, Reverand
- Protheroe, Raymond J.
- Rao, M.V.S.
- Richards, Hush T.
- Sinclair, Daniel A.

- Sokolsky, Pierre
- Sreekantan, B.V.
- Stafford, Fred
- Thompson, James R.
- University of Utah
- Velde, John C. Vander
- Watson, A.A.
- Weekes, Trevor C.

Box 140

Folder 2

Correspondence, 1988

- AAAS
- Bauer, Phil M.
- Belmonte, Andrew L.
- Bijnens, Johan
- Block, Robert
- Buchholz, David A.
- Burdett, Jeremy
- Carruthers, P.
- CERN
- Chudakov, A.E.
- Derrick, Malcolm
- Efimov, N.N.
- El-far, Ashraf
- Gross, Michael A.
- Gualdron, Miguel A.
- Hahn, B.
- Hayes, Charles F.
- Heinrich
- Heintze, Jurgen
- Ketterson, John
- Kifune, Tadashi
- Krasner, Sol
- Malthess, G.
- Markley, Finley
- Marshall, Stephanie
- Meyer, Peter
- Meyer, Peter
- Midway Travel Service
- Murthy, P.V. Ramana
- Olmer, Catherine
- Porter, Frank C.
- Preston, Richard S.
- Price, P. Buford
- Quigg, Chris
- Reeder, Don D.

- Rudnick, Joseph
- Samorski, Manfred
- Schnatterly, Stephen E.
- Segre, Gino
- Sherman, Elizabeth J.
- Singer, Paul
- Slattery, Paul F.
- Sokolsky, Pierre
- Somalwar, Sunil
- Stubbs, Christopher W.
- Sulak, Lawrence
- Takasaki, Fumihiko
- Tinkham, Michael
- Turrell, B.G.
- University of California
- University of Michigan
- Walker, J. Calvin
- Watson, Alan A.
- White, R. Stephen
- Witherell, Michael
- Woodard, William L.
- Youheng, Tan
- Zachariasen, William Holder

Box 140

Folder 3

Correspondence, 1989

- Abella, Isaac
- Anderson, A.C.
- Anderson, Bruce David
- Aruri, Taysir
- Baldo-Ceolin, Milla
- Bansil, Rama
- Bergman, Douglas
- Bingler, Edward C.
- Block, Martin M.
- Bowman, Gerry
- CASA
- Cheuk, David T.
- Christensen, Karl W.
- Christensen, Karl W.
- Chudakov, A.E.
- Cocconi, Giuseppi
- Crandall, Robert L.
- de Bono, Edward
- Decker, James F.
- Deshpande, N.G.

- Dolnick, Norman
- Dye, S.T.
- Dyson, Freeman
- Dzierba, Alex
- Felson, Wayne S.
- Felter, Alexander L.
- Forcier, Lawrence K.
- Fulman, Jason E.
- Gaiser, Thomas K.
- Garfinkel, Arthur F.
- Giltelman, Bernard
- Goldberger, Marvin L.
- Gollin, George
- Heintze, J.
- Hochstadt, Jesse
- Hofbauer, Mary
- Howson, M.A.
- Hunter Jr., Robert O.
- J. Tran Thanh Van
- Jackson, Andrew W.
- Jackson, Michael
- Jones, K.
- Kernan, Anne
- Ketterson, John B.
- Kifune, Tadashi, Knutson, David K.
- Krimm, Hans Albert
- Krisch, Alan D.
- Larson, Edward C.
- Lederman, Leon
- Lee, T.D.
- Leith, W.G.S.
- Llewellyn-Smith, C.H.
- Lozansky, E.D.
- Lund, Sven E.
- Mannelli, Italo
- Marshak, Marvin
- McDermott, Mark N.
- Meyer, Peter
- Muller, Dietrich
- Nambu, Yoichiro
- Nash, E. Thomas
- National Academy of Science
- Newport, Brian J.
- Para, Adam
- Paulus, Kurt
- Pertel, Michael John

- Price, P. Buford
- Protheroe, Ray
- Raven, Peter H.
- Reay, N.W.
- Reines, F.
- Riordan, E. Michael
- Robbins, Allen B.
- Romer, Roy
- Rubinstein, Hector
- Samios, N.P.
- Sciulli, Frank
- Scribano, Angelo
- Shafer, Yu.G.
- Skuja, Andris
- Snow, George
- Sokolsky, Pierre V.
- Spindel, William
- Sulak, Lawrence R.
- Telegdi, Val
- Thun, Rudi
- Watson, A.A.
- Weekes, Trevor C.
- Williams, H.H.
- Witherell, Michael
- Woodard, William L.
- Yodh, Gaurang
- Zar, Kathleen
- Zuckerman, Harriet

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Folder 4

Correspondence, 1990 (1/2)

- Abney, Mark
- Amundson, James
- Bahcall, John N.
- Baldo-Ceolin, Milla
- Beichman, Charles A.
- Bodek, Arie
- Bron, W.E.
- CASA
- Cassidy, George
- EFI Faculty
- Fields, Brian
- Fry, Jack
- Goober, Ariel
- Henri, Victor
- Hoffman, Cyrus M.

- Lederman, Leon
- Lehman, Pierre
- Levin, Kathryn
- Lipman, Everett Arthur
- Lynch, John T.
- McKay, Tim
- Mendell, Rosalind
- Meyer, Peter
- Mincer, Allen
- Nitz, David
- Peterson, Vincent Z.
- Pondrom, Lee G.
- Radtke, Richard
- Rivoal, Monique
- Rubinstein, Hector
- Rykles, Mirim
- Schramm, David
- Schwab, Keith
- Sidharth, B.G.
- Steinberger, Jack
- Takizawa, Anne
- Teplitz, V.L.
- Thornton, Chris
- Turlay, Rene
- University of Chicago
- Vanderbilt University
- Wolf Foundation

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Folder 5

Correspondence, 1990 (2/2)

- Anjos, Joao dos
- Ayala, Francisco J.
- Bahcall, John N.
- Baldo-Ceolin, Milla
- Bardon, Marcel
- Berley, David
- Blandford, Roger D.
- Bornstein, Ira
- CASA
- Clark, Roy
- Denison, Timothy John
- Fitchen, Douglas
- Fulton, Kenneth R.
- Henri, Victor P.
- Hoffman, Cyrus M.
- Lederman, Leon

- Leffler, Karl
- Loh, Eugene C.
- Merzbacher, Eugene
- Neal, Homer
- Newport, Brian J.
- Patterson, J. Ritchie
- Prooyen, J.A. van
- Ritter, Enloe T.
- Sadoulet, Bernard
- Sinclair, Dan
- Spurgin, Judith
- The New York Times
- Tiberto, Paola
- Weinstein, Bruce
- Winston, Roland
- Yodh, Gaurang

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Folder 6

Correspondence, 1993

- Brown, Charles
- Circuit Court of Cook County
- Falcioni, Judy
- Freedman, Joyce B.
- Henry, Amy
- Hoffman, Cyrus
- Levi-Setti, R.
- Ne'eman, Yuval
- Peace Corp.
- Siu, Pascale
- Solan, Alexander
- Wascko, Morgan

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Folder 7

Correspondence, 1994 (1/2)

- Adelberger, Eric
- Campbell, D.K.
- Commins, Eugene D.
- Gibbons, L.K.
- Haissinski, J.
- Harris, D.A.
- Hoeberg, Edyta
- Kleppner, Daniel
- Kohler, Karin
- McDaniel, Boyce
- Moneti, G.C.
- Nilsson, Jan

- Rabinowitch, Victor
- Rollin, G.D.
- Rosner, Jon
- Sharer, Marypat
- Steuer, Manfred
- Tollestrup, Alvin
- Wagoner, Robert V.
- Winstein, Bruce Darrell

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Folder 8

Correspondence, 1994 (2/2)

- Bahcall, John
- Cahn, Robert N.
- Cozzi, Marcia
- Dickason, Elly
- Eisenstein, Robert
- Karanastassi, Christina
- Khurana, Anil
- Levi-Setti, Riccardo
- Salpeter, E.E.
- Sharer, Marypat
- Stone, Geoffrey R.
- Toll, John S.

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Folder 1

Correspondence, 1995

- Haissinski, J
- Anderson, Caroline
- Anderson, Fred
- Appel, Jeffrey A.
- Basse, Regina
- Bittinger, Sara
- Boratav, Murat
- Brown, Gerald E.
- Butler, Joel
- Camerini, V.
- Casey, Natasha
- Chemery, Peter
- Chernov, Sergei
- Chilligarian, Ashot
- Chudakov, Aleksander
- Clay, Roger
- Cocconi, Giuseppe
- Collins III, Carr P.
- Comision, Nacional de Energia Atomica
- Defant, Marc J.

- Deserbais, Gerald
- Fernandex de Maliandi, Graciela
- Feshbach, Herman
- Fick, Brian
- Fonseca, Victoria
- Galvin, Robert W.
- Giant Airshower Detectors Design Group
- Ginsburg, V.
- Ginzburg, V.L.
- Goodman, Jordan A.
- Harris, William C.
- Hawking, Stephen
- Hoffman, C.M.
- Hojvat, Carlos
- Homans, Celia E.
- Jones Jr., James F.
- Khrenov, Boris
- Kohler, Karin
- Kolb, Edward W.
- Leath, Paul L.
- Legrand, J.C.
- Lide, David R.
- Lorenz, Ekhart
- Mantsch, Paul
- Menem, Carlos Saul
- Mikhailov, Alexei
- Nagel, Sidney
- Navarra, G.
- Otheguy, Hector E.
- Oxtoby, David W.
- Pajares, Carlos
- Parker, Eugene
- Patterson, Karen
- Peoples Jr., John
- Perkins, D.H.
- Rapp, Patrick D.
- Raubenheimer, Christo
- Ruderman, Malvin A.
- Schmal, H.
- Schram, David
- Schwartz, Melvin
- Segal, Irving E.
- Singh, Virendra
- Skrinksky, Aleksander N.
- Sonnenschein, Hugo F.
- Sreekantan, B.V.

- Sullivan, Walter
- Tan, Y. H.
- The Economic Club of Chicago
- Ting, S.C.C.
- Turner, Michael
- Varotto, Conrado
- Walter, Heinrich
- Watson, A.A.
- Wolfendale, Arnold
- Yuda, T.
- Yurovsky, Alexander
- Zas, Enrique
- Zatsepin, G.T.
- Zepeda, Arnulfo
- Zhipeng, Zheng

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Folder 2

Correspondence, 1997

- Alvarez, Miguel Angel
- Amidei, Dan
- Andreen, Brian
- Annan, Kofi A.
- Baym, Gordon
- Bernard, Germaine
- Buchanan, Gwen
- Campagnari, Claudio
- CERN
- Chu, Steven
- Cohen-Tannoudji, Claude
- De Ita, Guillermo
- DePaul University
- Domenici, Pete V.
- Fick, Brian
- Fitzsimmons, mark D.
- Franz, Judy R.
- Fullwood, Ralph R.
- Galison, Peter
- Galvin, Robert
- Gonzalez-Palomino, Juan
- Gough, M. Paul
- Grainger, David
- Grotch, Howard
- Hanle, Hellmut
- Hill, David
- Hohlmann, Marcus
- Hohmann, Shelia

- Honeysett, D.
- Houghton, Anthony
- Imamura, Mineo
- Ito, N.
- James, Pat
- Jones, James R.
- Kikuchi, Ken
- Kimble, Melinda
- Kronberg, Phillip
- Levi-Setti, Riccardo
- Levy, Paul
- Lewis, Betty
- Lewontin, Richard
- Ma, Yugian
- Mandula, Jeffery E.
- Markl, Hubert
- Mooney, Erlene
- Oxtoby, David
- Parkinson, Claire L.
- Peyaud, Bernard
- Phillips, William D.
- Pilcher, James
- Plotnick, Harvey
- Rankin, Patricia
- Schwob, Monique
- Shapiro, Irwin
- Suzuki, Yoichiro
- Thompson, David J.
- Tohline, Joel
- Uher, Ctirad
- University of Chicago
- Walker, George
- Watson, Alan
- Waxman, Eli
- Williams, Brig
- Wolfendale, A.W.
- Wolff III, Herbert D.
- Wong, Marcia
- Yasunaga, Yoshikazu

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Folder 3

Correspondence, 1998

- Bernthal, F.
- Besson, D.
- Boldt, Elihu
- Feigenbaum

- Fields, Tom
- Hao, Chu
- Herstein, Diego
- Hunter, Edna
- Kornacki, Jacek
- Lomax, Lucius
- Matveev, V.A.
- Nitz, David
- O'Neill, Theodore A.
- Oquist, Gunnar
- Plitt, Pat
- Richter, Burton
- Schmal, Helga
- Steinberger, Jack
- Suzuki, Yoichiro
- Tompkins, Curtis J.
- Wolf, Donald C.
- Wolf Foundation
- Zavrtnik, Danilo

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J. Cronin Correspondence, 1999

- Avignione, Frank
- Barish, Barry C.
- Dagdigian, Paul J.
- Gilman, Frederick J.
- Rebel, Heinigerd
- Schield, Melissa
- Turner, R. Gerald
- Wali, K.C.

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Folder 11

J. Cronin Correspondence, 1999

- Aspasia Sotir-Plutis
- Browne, Malcolm
- Das, Ashok
- DeHaan, Nancy
- Devlin, Tom
- Durbin, Richard
- Ferbel, Tom
- Fitzgerald, Peter
- Heseltine, Claire
- Hotchkiss, Hallie
- Hubner, K.
- J. Tran Thanh Van
- Kalelkan, Mohan
- Lively, William H.
- Lory, Jean-Luc
- Nitz, David
- Padin, Ing. Guillermo

- Plitt, Pat
- Popp, Mafred
- Schluter, Jack
- Sonnenschein, Hugo F.

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J. Cronin Presidential Recognition Documents, 1998-1999

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J. W. Cronin-Personal, 1993-1994

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James W. Cronin Correspondence, 1993 (1/2)

- Bergeron, Jacqueline
- Covault, Corbin
- Duggan, John
- Emery, Guy T.
- Eschstruth, Paul
- Fiorini, Ettore
- Gaisser, Thomas K.
- Garfield, Susan E.
- Gray, Hanna H.
- Haissinski, Jacques
- Hallock, Robert B.
- Hammes, Klaus
- Hyatt, Deborah
- J. Van de Velde
- Morris, Mark
- Newman, J.
- Perkins, Donald
- Plecy, Anne
- Raven, Peter H.
- Redner, Sidney
- Rosner, Jonathan
- Sadoulet, Bernard
- Simmons, Adele
- Sinclair, Daniel
- Solomon, Phillip
- Stone, James L.
- tan, You-heng
- Weekes, Trevor C.
- Winston, Roland
- Yau, Shing-Tung
- Yodh, Gaurang

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Folder 1

James W. Cronin Correspondence, 1993 (2/2)

- Aoyagi, K.
- Archer, Ellen
- Boratav, Murat
- Dalibard, jean
- Erskine, John R.
- Feigenbaum, Mitchell J.
- Fritzsche, Hellmut
- Galison, peter
- Gassman, Maureen
- Gerard, M.A.
- Gibbs, Kenneth
- Grimes, Rosemary E.
- Guastavino, Francis
- Halpern, jack
- Harvey, Jeffrey
- Heffelfinger, Ellen
- Izumi, S.
- Jones, Vernon
- Kleppner, Dan
- Oka, Takeshi
- Peyaud, Bernard
- Pryke, Clem
- Schweitzer, M.G.
- Shrauner, J.E.
- Trimble, Virginia
- Walter, Heinrich
- Ward, John F.
- Watson, A.A.
- Watson, Nancy

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Joseph Fowler, 1998-1999

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