Guide to the James Cronin Papers 1936-2016

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Descriptive Summary

Identifier  ICU.SPCL.CRONINJ
Title  Cronin, James. Papers
Date  19363-2016
Size  73 linear feet (147 boxes)
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: 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 Stats of Be7 on the Reaction B10 (p$^\alpha$) 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 k and neutral k- 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.


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
Subject Headings

- Chandrasekhar, S. (Subrahmanyan)
- Enrico Fermi Institute
- The University of Chicago. Dept. of Physics
- Astronomy—Observations
- Astrophysics
- CP violation (Nuclear physics)
- Domes, Observatory
- 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.”

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      • Brigitte Beuseroy, 1999-2001
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      • Ken Gibbs, 1999
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      • Arturo J. Bignoli, 2001
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      • Gerd W. Buschhorn, 2001
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      • Raymond R. Gesteland, 2001
      • Bengt Samuelsson, 1999
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Cronin-Personal Correspondence, 1972-1990
• Ackland, Len 1986
• Ayala, Franscisco 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
• Fritzscbe, 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

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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
• Buiter, 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
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• 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
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• Sovern, Michael I. 1980
• Steinberger, J. 1974
• Strauch, Karl 1977
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• Sumi, Yoshio 1993
• Swanson, Patricia K. 1992
• Taylor, Richard E. 1975
• Townes, Charles H. 1994
• Turlay, R. 1990
• Wales, Walter D. 1981
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• Carrothers, Nancy 2001
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• Djurovic, Angela 2001
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• Chamberlain, Owen 2001
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  • Arnold, James R. 2001
  • Byers, Nina 2001
  • Farwell, George W. 2001
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  • Friedman, Jerome 2001
  • Garwin, Richard 2001
  • Gell-Mann, Murray 2001
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  • Goldberger, Marvin 2001
  • Haber-Schaim, Uri
  • Nagle, Darragh 2001
  • Plitt, Pat 2001
  • Rayne, John A. 2001
  • Schluter, Robert A. 2001
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  • Telegdi, Valentine 2001
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  • 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
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• 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
• Fritzche, 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
• Perlmutler, 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
• Saxton, 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
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• Ziman, Timothy 1983

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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 contains 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.

**Subseries I: Scientific Notes and Research**

- **Box 13**
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    - A General Survey of Particle Production at PEP, 1976
  - **Box 13**
  - **Folder 6**
    - A Large Drift Chamber System for Use in an Iron Spectrometer, Frisch, et al 1980
  - **Box 13**
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    - “A Precision Determination of the KL-KS Mass Difference” Cullen et al., 1970
  - **Box 13**
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Box 58
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.
• Bofilhoes, Joannis
• Boris, Jay Paul
• Chen, K. Wendell
• Chilton, Frank
• Christenson, James
• Chuvilo, I.V.
• Cocconi, G.
• Cool, Rodney L.
• Daniel, H.
• Dennison, D.M.
• Detoeuf, 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.

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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
• Kuznetsov, 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

Box 59
Folder 3
Correspondence, 1972-1976
• Abashian, A.
• Banner, Marcel
• Bardon, Marcel
• Berley, David
• Bernard
• Buchsbaum, S.J.
• Cork, Bruce
• Duong-Van, M
• Farrar, Glannys 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.

Box 59
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.
Box 59
Folder 5
Correspondence, 1982
• Lee, T.D.
• Perl, Martin

Box 59
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.
• Koshiba, 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

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Folder 7
Correspondence, 1990-1994
• Antreasyan, Dikran
• Bahcall, John
• Berley, David
• Bernadotte, Grafin 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.
• Haissinski, 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.

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Correspondence, 1991-1996
• Agrawal, P.C. 1996
• Amati, Daniele 1995
• Bidwell, Charles E. 1993
• Bobisut, Furio 1995
• Bogorad, Lawrence 1992
• Boratau, Murat
• Buiter, Jeanee 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
• Weinstein, Bruce D.
• Worklan, Mary Ann 1992
• Zacher, Hans F. 1995

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Folder 2
Correspondence, 1992
• Arnegard, Maria
• Brassay, G.
• Burke, Peter John
• Cohen-Tannoudji, Claude
• Eilam, Gad
• Estes Jr., Maurice G.
• Fritzsehe, 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
• Briggitte, Beaueroy 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
• Chandraseknar, 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
• Ellis, John
• Erber, Tom
• Esmeijer, Bob
• Fontaine, gerard
• Giovaneelli, Franco
• Grossetete, B.
• Hackerman, Norman
• Halzen, Francis
• 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
• Mannelli, Italo
• McDermott, Mark N.
• Nagle, Darragh
• Newport, Brian J.
• Pasachoff, Jay M.
• Paul, Wolfgang
• Protheroe, R.J.
• Rubinstein, Roy
• Samorski, Manfred
• Sau Lan Wu
• Steinberger, Jack
• Turkevich, Tony
• Turver, K.E.
• Walker, William D.
• Weekes, Trevor
• Winston, Roland
• Wu, Dolly
• Zichichi, Antonino

Box 60
Folder 7
Cronin Correspondence, 1989
• Aberman, Mark
• Berkhourt, U. Meyer
• Berley, David
• Bowie, Marilyn A.
• Bryant, Robert L.
• Christensen, Karl
• Cline, David
• D’Amato, Alfonse M.
• Dehmelt, Hans
• Edgar, Jim
• Ellis, John
• Evangelist, Louis
• Gaisser, Thomas K.
• Gibbs, Ken
• Goodman, Jordan
• Grainger, David
• Halgen, Francis
• Herman, Bob
• Hoffman, Cyrus
• Hoffman, Cyrus M.
• Janlskog, Cecilia
• Johnston, J. Bennett
• Kastor, David
• King, Pamela
• Kinsto, E.
• Lang, Mark
• 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.
• Rubinstein, Roy
• Schramm, David
• Shapiro, Maurice M.
• Steinberger, Jack
• Stutsman, Jane T.
• Thompson, Howard
• Thomspom, Gregory C.
• Voyvodic, Louis
• Watson, Alan
• Weinstein, Bruce
• Wu, Dolly
• Yodh, Gaurang B.

Box 61
Folder 1
Cronin Correspondence, 1990
• Akerlof, Carl
• Arafune, June
• Bardon, Marcel
• Berezensky, V.S.
• Busza, Wit
• Campanella, Luigi
• Capdevielle, Jean-Noel
• CASA Physicists
• Casper, Gerhard
• CERN
• Charmaine
• 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.
• Walker, J.C.
• Watson, Nancy
• Webb, Robert C.

Box 61
Folder 2
Cronin U.S.S.R. 1986

Box 61
Folder 3
Fermi Lab – Appeal to Physicists, 1988

Box 61
Folder 4
Fermi Lab Proposals and Correspondence, circa 1970s
• Banner, M.
• Boymond, J. P.
• Frisch, H.
• Goldwasser, Edwin L.
• Knapp, B.
• Liu, J.
• Pilcher, J.
• Pirove, P.
• Schochet, M.
• Sumner, R.L.

Box 61
Folder 5
Fermi Lab Proposals and Correspondence, circa 1970s
• Frisch, H.
• Pilcher, J.
• Sanford, James R.

Box 61
Folder 6
Fermi Laboratory Correspondence, 1971-1976
• Cox, Brad
• Goldwasser, Edwin L.
• Greene, Arthur F.
• Groies, Tom
• Pilcher, J.
• Pirove, P.
• Sanford, James R.
Box 61
Folder 7
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

Box 61
Folder 8
J. Cronin Correspondence, 1992
• 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.
• Happer, Will
• Heintze, Joachim
• Illinois Institute of Technology
• Krieger, David
• Laumann, Edward O.
• Levi-Setti, Riccardo
• Lightbody, John W.
• Locker, Milan
• Lysiak, Richard
• McCune Jr., William J.
• Merritt, Frank
• Muller, Dietrich
• Newton, Roger G.
• Pinchak, Ann
• Quinn, Helen
• Rosner, Jonathan
• Sharer, Marypat
• Stolar, Nina
• United States Nobel Laureates
• University of Chicago
• Walter, Heinrich
• Watson, A.A.
• Watson, Nancy
• Winston, Roland
• Winter, Klaus

Box 61
Folder 9
J. Cronin Correspondence, 1997
• Fraser, Gordon
• Grize, F.
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• Tran Huu Phat
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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
• Piltel, Stuart
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• Bernthal, Fred
• Brown, Stanley G.
• Celone, Laurelyn N.
• Cornell, Eric
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• EINAUDI, GIORGIO
• Ketterle, Wolfgang
• Lader, Linda LeSourd
• Lee, T.D.
• Moody, Liz
• Muller, Dietrich
• Plitt, Pat
• Randel, Don Michael
• Takeda, Masahiro
• Telegdi, V.
• Wieman, Carl
• Zank, Gary P.
• Zichichi, Antonino

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• Colombani, M. Pascal
• Chandrasekhar, S.
• Fulde, Peter
• Figueroa, Stella Maris Campie de

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• Anderson, H.L.
• Berley, David
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• Bowen, William G.
• Brown Jr., Edmund G.
• Chapman, Albert S.
• Cyert, Richard M.
• Dar, Arnon
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• 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
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• Taylor, Richard E.
• Ting, Chongfu
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• Vineyard, Heorge H.
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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
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• 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
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• Adams, Robert McC.
• Anderson, E.W.
• Chandrasekhar, S.
• Commins, Eugene D.
• Coupal, David
• Crasemann, Bernd
• Disch, Gerald J.
• Doble, Niels
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• Febbel, Thomas
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• Huberman, Eliezer
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• Lederman, Leon M.
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• Mechanic, David
• Meyer, Peter
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• Murphy, P.G.
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• O'Brien, Richard D.
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• Riedasch, Gail M.
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- Coet, Pierre Lewis
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- Green, Louis C.
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- Guha, Subhendu  
- Ovshinsky, Stanford R.  
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**Series III: Teaching**

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A Search for the Gamma Rays, Nickolas C. Mascarenhas, 1991

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• Kadanoff, Leo P.
• Nambu, Yoichiro
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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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- Beninson, D.
- Cobos, Ing. Julio
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- Ferrer, Aldo
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• Best, Olga
• Blanco, Agustin
• CERN Lab
• Daneri, Alejandro
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• Eisenstein, Robert
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• Del Bello, Juan Carlos
• Lafalla, Arturo P.
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• Cobos, Ing. Julio
• Coria, Juan Martin
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• Filevich, Alberto
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• Lafalla, Arturo P.
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• Liotta, Domingo
• Masperi, Luis
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• Akhoerjanian, Ashot
• Asatiani, Tina
• Chilingarian, Ashot
• Mkrtchvan, Ruben

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• Galvin, Robert W.
• Grainger, David
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• Bignoli, Arturo J.
• Campi de Figueroa, Stella
• Caputo, Dante
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• Conger, Cynthia
• Dehmer, Joseph
• Ferrer, Aldo
• Iarocci, Enzo
• Iglesias, Roberto
• Illnerova, Helena
• Matsuura, Koichir O.
• McRobbie, Michael A.
• Pritzker, Nicholas
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• Randle, Ignacio
• Williams, P.K.
• Walsh, James P.

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• Bahcall, John
• Del Bello, Juan Carlos
• Blanco, Agustin
• Boratav, M.
• Campbell, Myron
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• Dearden, Tony
• Decibe, Susana
• Domenici, Pete V.
• Foa, Lorenzo
• Galvin, Robert W.
• Gibbs, Ken
• Grainger, David
• Hohmann, Sheila
• Izumi, Shuhei
• Koehn, Richard
• Lafalla, Arturo Pedro
• Ma, Yugian
• Matsuura, Koichiro
• Mayor, Federico
• Miller, Idabel
• Nagano, Motohiko
• Padin, Guillermo
• Phillips, Edgar
• Poirier, John
• Popp, Manfred
• Randel, Don M.
• Romer, Roy
• Santos, Eduardo
• Schmitt, Roman A.
• Schunck
• Sonnenschein, Hugo F.
• Tran Thanh Van, J.
• Ventura, Edgardo
• Wilczynski, Henry K.
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- Spiro, M.
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• Mantsch, Paul
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• Izumi, Skuhei
• McKay, Timothy
• Messinger, Gary S.
• Nako, Jim K.
• Ogaswara, Allen A.
• Ogura, Shigeo
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• Parada, Carlos Bazdresch
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Matthews, Highlights of VHE and UHE Gamma Ray Astronomy, Nov. 1990
Box 112 b
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Folder 37
Matthews Memo to Michigan Gamma Rangers, Muon and Electron Size Spectra and Corrections, March 9, 1990
Box 112 b
Folder 38
Matthews Memo to Michigan Gamma Rangers which way is up? Array Telescope Fit Comparisons, June 12, 1989
Box 112 b
Folder 39
Matthews Recent Results from the UMC Experiment, Nov. 1990
Box 112 b
Folder 40
Matthews Recent Results from the Utah-Michigan Extensive Air Shower Array, May 11-13, 1989
Box 112 b
Folder 41
Matthews, The UMC Extensive Air Shower Array Results and Prospects, January 1990
Box 112 b
Folder 42
Box 112 b
Folder 43
McKay, The Zero-Muon Problem, Nov. 13, 1991
Box 112 b
Folder 44
Memo, The Newest news from Dugway (only one day late), Dec. 5, 1992
Box 112 c
Folder 1
Minutes of Feb. 14, 1990, CASA Meeting
Box 112 c
Folder 2
Muon Lateral Distributions, March 23, 1991

Box 112 c
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Folder 4
Newport, Status and Performance of the Chicago Air Shower Array and Related Experiments, 1990

Box 112 c
Folder 5
The News from Dugway, Aug. 2nd, 1989

Box 112 c
Folder 6
The News from Dugway, May 16, 1990

Box 112 c
Folder 7
News from Dugway, Sept. 11, 1990

Box 112 c
Folder 8
News from Dugway, Dec. 3, 1990

Box 112 c
Folder 9
Nitz, Analyzing CSA and MIA Data using Usrmain and Distmain Subroutine Packages, Oct. 29, 1990

Box 112 c
Folder 10
Nitz, Memo to UMC Group, Cluster Finder, March 23, 1992

Box 112 c
Folder 11
Ong, Design and Performance of the Chicago Air Shower Array, Aug. 1989

Box 112 c
Folder 12
Ong, email Dugway News, March 5, 1991

Box 112 c
Folder 13
Ong et al. Preliminary Results from the Chicago Air Shower Array, Jan. 1990

Box 112 c
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Box 112 c
Folder 15
Ong Note to CASA-MIA, Muon Studies I: Muon Clustering Algorithms, June 10, 1992

Box 112 c
Folder 16
Ong Note to CASA Physicists, Analysis Meeting of Jan. 3, 1989

Box 112 c
Folder 17
  Ong Note to UMC Physicists, Defining New Cross Time Cuts in Passo, Sept. 3, 1992
Box 112 c
Folder 18
  Ong Note to UMC Physicists: The Pulled Data of 1990: Finding Bad CASA Links, Aug. 4, 1992
Box 112 c
Folder 19
  Ong, Note to UMC Physicists, Resolution Studies for the 529 CASA Array, July 16, 1991
Box 112 c
Folder 20
  Ong, UMC-CASA Not to UMC Physicist, Flux Limits from the CASA 49 Station Experiment, Dec. 17, 1990
Box 112 c
Folder 21
  Rosenberg et al. Design and Observation of the Chicago Air Shower Array, Oct. 2-5, 1990
Box 112 c
Folder 22
  Rosenberg, Gamma ray Astrophysics, Aug. 1990
Box 112 c
Folder 23
  Rosenberg, Note to CASA Physicists, Commute Patches and Proposed Patches on MKIV Station boards, June 28, 1990
Box 112 c
Folder 24
  Sinclair Memo to UMC, Jan. 16, 1990
Box 112 c
Folder 25
  Sokolsky, Ultrahigh Energies, Jan. 28, 1991
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Folder 26
  Update on Lateral Electron Distributions, March 27, 1991
Box 112 c
Folder 27
  U.S. Simbad Packet, Feb. 10, 1992
Box 112 c
Folder 28
  Van der Velde, A Graded – Spacing Very Large Array, May 1989
Box 112 c
Folder 29
  Van der Velde, A Subroutine for Confidence Limits on Signals in the Presence of Background, June 1989
Box 112 c
Folder 30
  Van der Velde, Correcting for Muon Holes, Nov. 21, 1991
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Folder 31
Van der Velde, Cuts to Improve the Projection Factor, June 21, 1991

Box 112 c
Folder 32
Van der Velde, E-Size-Fit, Oct. 10, 1991

Box 112 c
Folder 33
Van der Velde, Hadron Rejection vs Muon Number, June 8, 1992

Box 112 c
Folder 34
Van der Velde, Muon and Electron Lateral Distributions in EAS from 1016 eV as observed by the UMC Decter, undated

Box 112 c
Folder 35
Van der Velde, On the Akeno Method of Mastering the Proton Air Cross Section, Nov. 1992

Box 112 c
Folder 36
Van der Velde, Research Note, Search for Gammas from PSR 1957, July 1990

Box 112 c
Folder 37
Van der Velde, Some Calculations for a very large Array, April, 1989

Box 112 c
Folder 38
Van der Velde, The tall of the Elephant, Dec. 20, 1991

Box 112 c
Folder 39
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.

Box 113
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.

Box 114 a
Nobel Prize medal, 1980

Box 115
Folder 1
A.P.S. Panofsky Prize, 1987-1988

Box 115
Folder 2
Certificate of Recognition – governor’s Medal for Science and Technology, 1989
Box 115
Folder 3
Events and Articles on the Award of the Nobel Prize, 1980-1982 (1/3)
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Folder 4
Events and Articles on the Award of the Nobel Prize, 1980-1982 (2/3)
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Folder 5
Events and Articles on the Award of the Nobel Prize, 1980-1982 (3/3)
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Goran Gustafsson Prize, 1994
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Folder 7
Hans Dehmelt Honorary Degree, 1981-1988
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Folder 8
Invitations, 2004-2007
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Letters on Award of Nobel Prize, 1980-1981 (1/3)
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Nobel Committee, 1936
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Nobel Nominations, 1982-1983

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Folder 4
The Nobel Prize, 1980

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Folder 5
Nobel Prize Correspondence, 2016

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Folder 6
Pierre and Marie Curie University Reception Book, 1994

Box 117
Folder 7
Princeton Award telegram, 1967

Box 117
Folder 8
Sketches of Science, 2012

Box 117
Folder 9
Wilson Prize Correspondence, 1977-1988
- 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
• Marshall, 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.
• Ovshinsky, Stanford 1985
• 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
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.
Folder 5
   Lab slides, 1988-1990 (1/2)
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Folder 6
   Lab Slides, 1988-1990 (2/2)
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Folder 7
   Lab Slides, undated
Box 118
Folder 8
   Large Array slides, 1989
Box 118
Folder 9
   Miscellaneous Slides, 1984
Box 118
Folder 10
   Miscellaneous Slides, 1988-1989
Box 118
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   Monte Carlo Program – Neutral Decay slides, undated
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Folder 12
   Quark Slides, 1985
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Folder 13
   Salt Lake City Slides, 1989
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   Speakers Packet Slides, 1985
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   Speakers Packet Slides, 1986
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   Travel Slides, 1989
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Folder 17
   The University of Chicago Physics Slides, 1988
Box 119
Folder 1
   VHS videotape - 1990 Distinguished Alumni Awards
Box 119
Folder 2
   VHS videotape - The 1999 National Science & Technology Medals laureates
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Folder 3
VHS videotape - Archimede du 2/12/97 (1/2)
Box 119
Folder 4
  VHS videotape - Archimede du 2/12/97 (2/2)
Box 119
Folder 5
  VHS videotape - Commencement for the University of Nebraska
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Folder 6
  VHS videotape - The Day Tomorrow Began
Box 119
Folder 7
  VHS videotape - Dr. Cronin Lecture
Box 119
Folder 8
  VHS videotape - Enrico Fermi and the First Controlled Nuclear Chain Reaction, 2002
Box 119
Folder 9
  VHS videotape - Fermi Dedication Stamp Unveiling
Box 119
Folder 10
  VHS videotape - Fermi testimonials tape 1 of 3
Box 120
Folder 1
  VHS videotape - Fermi testimonials tape 2 of 3
Box 120
Folder 2
  VHS videotape - Fermi testimonials tape 3 of 3
Box 120
Folder 3
  VHS videotape - Knasnen Retirement
Box 120
Folder 4
  VHS videotape - The Magneil/Lehrer News hour #3299, 1988
Box 120
Folder 5
  VHS videotape - Mensajeros del espacio, undated
Box 120
Folder 6
  VHS videotape - National Academy of Science Public Symposium, 1998 (1/2)
Box 120
Folder 7
  VHS videotape - National Academy of Science Public Symposium, 1998 (2/2)
Box 120
Folder 8
  VHS videotape - Professor James W. Cronin NP Physics, 1980
Box 120
Folder 9
VHS videotape - Professor Subrahmanyan Chandrasekhar NP PHY 83 and Professor Val Fitch NP Physics, 1980

Box 120
Folder 10
VHS videotape - See it now Ed Murro Stagg Field 10 YR Ann. Running time N 20 min Nova Leo Szlard, undated

Box 121
Folder 1
VHS videotape - Stand Fast Chicago, 1991

Box 121
Folder 2
VHS videotape - Super-Kamiokande-Construction Notes, undated

Box 121
Folder 3
VHS videotape - Three University of Chicago Professors Receive National Medal of Science, 2000

Box 121
Folder 4
VHS videotape - The University of Chicago Changed the World, undated

Box 121
Folder 5
VHS videotape - W.J. Cronin 1, undated

Box 121
Folder 6
VHS videotape - W.J. Cronin 2, undated

Box 122
Folder 1
CD - 62nd Lindau Nobel Laureate Meeting (physics), 2012

Box 122
Folder 2
CD - Acto De Investidura Doutores Honoris Causa, undated

Box 122
Folder 3
CD - Acto De Investidura Doutores Honoris Causa, 2009

Box 122
Folder 4
CD - Curved Force Line Elements Theory: resolving the Limits on Modern Physics by Kang Whan Ju, 2011

Box 122
Folder 5
CD - Fermi Archive, 10/27/2005

Box 122
Folder 6
CD - El Ibservatirui Pierre Ayger en dos videos de divulgacion cientifica, 2005
Box 122
Folder 7
  CD - Lindau-Nobel, 2010
Box 122
Folder 8
  CD - Nobel lectures Physics, 1901-1995
Box 122
Folder 9
  CD - Nobel lectures physics, 1901-1995 (2)
Box 122
Folder 10
  CD - The Physical Review, the First Hundred Years, 1995
Box 122
Folder 11
  CD - Pierre Auger Parle, undated
Box 122
Folder 12
  CD - President Barack Obama's Address on Science and Innovation, 2009
Box 122
Folder 13
  CD - Sixth International Workshop on New Worlds in Astro particle Physics, 2007
Box 122
Folder 14
  CD - University of Chicago Special Collections Research Center Archival Photo files
  Enrico Fermi Collection 22jpegs, undated
Box 122
Folder 15
  CD - Unlabeled CD, undated
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Folder 16
  CD - University of Chicago fermiposer.psd, undated
Box 122
Folder 17
  DVD - The MAGIC Telescopes, Eyes for the Extreme Universe, 2010
Box 122
Folder 18
  DVD - From the PS to the LHC, 50 Years of Nobel Memories in High-Energy Physics, 2009
Box 123
Folder 1
  22 mm Film - C* 11, Mar. 200, 1962
Box 123
Folder 2
  22 mm Film - Film from First Spark Chamber Run, Lofgren, and J. Cronin, undated
Box 123
Folder 3
| Box 123 | 22 mm Film – 281928 82957, undated |
| Box 124 | 22 mm Film – V172, undated |
| Box 124 | Folder 1  
Audio cassette tape - Focus 580 Hour One Letterman/Cronin – Big Science, 6/9/1988 |
| Box 124 | Folder 2  
Audio cassette tape - NPR’s TOTW: Science Friday Antimatter, 9/10/1999 |
| Box 124 | Folder 3  
Audio cassette tape - Symmetry, Antimatter, and the Big Bank, July 1981 |
| Box 124 | Folder 4  
Audio cassette tape - Jim Cronin, Murat BORATOV, 1994 |
| Box 124 | Folder 5  
Audio cassette tape - Stephen Hawking’s “A Brief History of Time” Tape #1, undated |
| Box 124 | Folder 6  
Audio cassette tape - Stephen Hawking’s “A Brief History of Time” Tape #2, undated |
| Box 124 | Folder 7  
Audio cassette tape - Stephen Hawking’s “A Brief History of Time” Tape #3, undated |
| Box 124 | Folder 8  
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| Box 124 | Folder 10  
Audio cassette tape - Cosmic Ray Workshop, All Things Considered, 8/3/2000 |
| Box 124 | Folder 11  
Audio cassette tape - To Fermi with Love, undated |
| Box 124 | Folder 12  
Audio cassette tape - James Cronin Press Conference, 10/14/0980 |
| Box 125 | Folder 1  
Audio cassette tape - 24/04/1992 de 10n30 ꝺ^2a |
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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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Box 125
Folder 10
Audio cassette tape - Prof. James Cronin/John Cody, 9/29/200123/04/92
Box 125
Folder 11
Audio cassette tape - 24/04/92 8π -> 10π
Box 126
Folder 1
KLCP (Kavli Institute for Cosmological Physics) at the University of Chicago mug
Box 127
Folder 1
Slide - Charts and Graphs Lantern Slide, undated
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   Photographs - Auger Observatory Photos, 2001
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   Photographs - Award Photo, 1967
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   Photographs - “Fermi Remembered,” 1994
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   Photographs - Moscow Cosmic Ray Conference, 1987
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   Photographs - Photos, 1987-1992 (negatives)
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**Series VIII: Restricted**

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  Auger Observatory Project Proposal, 2001 (1/2)
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Auger Personnel, 1996-2000

Auger Project Files and Correspondence, 1996-2001

- Brinkman, William
- 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
- Lowengrub, 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.

Bertou, Xavier, 2003
Box 138
Folder 4
Correspondence, 1961
- Blaisdell, Warren
- Engels Jr., Eugene
- Fairbank, Henry A.
- Fontaine, Thomas D.
- Kayser, Boris
- Vir Sud, Lekh
- Winters, A.

Box 138
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

Box 138
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.
• Lypecki, 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
- Hryniewica, 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.

**Box 138**

**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.
• Burstein, 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.
• Matin, 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
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.
- Fritzscbe, H.
- Galison, Peter
- George, Robert M.
- Glenn, John
- Gray, Hanna Holborn
- Herrington, John S.
- Hofstadter, Robert
- Jones, James T.
- Kadyshhevsky, 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.

Box 139
Folder 3
Correspondence, 1977
• Adair, R. K.
• Anderson, H. L.
• Banner, Marcel
• California Institute of Technology
• Chandrasekhar, S.
• Cocconi, 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

Box 139
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.
Correspondence, 1980
• Carruthers, Peter
• Jacob, Maurice
• Jaffe, Arthur M.
• Meyer, Peter
• Perl, Martin

Box 139
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
• Fritzsch, 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.
• 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, Anthony

Box 139
Folder 8
Correspondence, 1985
• Arnason, Stephen
• Berkelman, Karl
• Cook, Victor
• Coupal, David
• Davidson, Ronald C.
• DeSalvo, Riccardo
• Engels, Jr., Eugene
• Feldman, Gary
• Fritzscbe, Gellmutt
• Grainger, David W.
• Grannis, Paul D.
• Grunhaus, J.
• Haar, Paul D.
• Hsiung, Y.B.
• Kennel, Charles F.
• Klington, Kenneth A.
• Knize, R.J.
• Kosowsky, Arthur B.
• Maki, Ziro
• mannelli, 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
• Weinstein, 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.
• Cassiday 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.
• Koshiba, M.
• Koshiba, 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
• König, 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'Connor, 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.

Box 140
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
- Cassiday, 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
• 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.
• Gaisser, 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

Box 140
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
• Cassiday, 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

Box 140
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

Box 140
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

Box 140
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.
• Weinstein, Bruce Darrell

Box 140
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.

Box 141
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.
• Deserbaís, 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
• Zatsepin, G.T.
• Zepeda, Arnulfo
• Zhipeng, Zheng

Box 141
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, Erleene
• 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

Box 141
Folder 3
Correspondence, 1998
• Bernthal, F.
• Besson, D.
• Boldt, Elihu
• Feigenbaum
• Fields, Tom
• Hao, Chu
• Herbst, 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
• Zavrtanik, Danilo

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  Course Notes, 1982

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  David Nitz, 1997-2000

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  Fellowship Applications, 1971-1983

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  Fick, Brian E. 1998-2001

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  Hans Krimm, 1994
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Folder 10
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.

Box 142
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.

Box 142
Folder 12
J. Cronin Presidential Recognition Documents, 1998-1999

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Folder 13
J. W. Cronin-Personal, 1993-1994

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Folder 14
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, Trevor C.
- Yau, Shing-Tung
- Yodh, Gaurang

Box 143
Folder 1
James W. Cronin Correspondence, 1993 (2/2)
- Aoyagi, K.
- Archer, Ellen
- Boratav, Murat
- Dalibard, Jean
- Erskine, John R.
- Feigenbaum, Mitchell J.
- Fritzsch, 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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   Kutter, Thomas, 1996-1999
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   Letessier-Selvon, Antoine, 1998
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   Letters of Recommendation, 1973
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   Letters of Recommendation, 1974
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   Letters of Recommendation, 1998-2005
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   Letters of Recommendation, 2001
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   Letters of Recommendation, 2002-2006
Box 144
Folder 6
   Notes and Student Lab Reports, 1993-1996
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Folder 7
   NSF Budget (Final Version), 1977
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Folder 8
   NSF Presentation, January, 1981
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Folder 1
   NSF Proposal July 1, 1972-1973
Box 145
Folder 2
   NSF Proposal Sept. 1, 1974- Aug. 31, 1975
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   NSF Proposal, 1979-1980
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