

Series 1: Biographical

Box 1

- 1 [Biographies and Bibliographies]
- 2 [A Celebration of the Life of Abraham Pais- September 13, 2000]
- 3 [Driving Permits and Related Documents, 1956-1957]
- 4 Ida Nicolaisen, 1989-1999 [folder 1 of 2]
- 5 Ida Nicolaisen, 1991-1997 [folder 2 of 2]
- 6 Old Passports, 1947-1987
- 7 Pais, A. – Personal, 1942-1982
- 8 Pais, A. – Personal, 12/49 – 3/52
- 9 Personal Varia, 1954-1998 **CLOSED**
- 10 [Rockefeller University- *News & Notes*, 2000]
- 11 Varia, 1955-1983

Box 2

- 1 War- Personal Documents, 1934-1992
- 2 Wedding Guest Book, n.d.

Series 2: Manuscripts

Subseries 1: Niels Bohr

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- 3 NB Biographical [folder 1 of 2]
- 4 NB Biographical [folder 2 of 2]
- 5 NB Bibliography
- 6 Interviews with NB, 1959-1962 [folder 1 of 2]

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- 1 NB Interviews, 1962-1964 [folder 2 of 2]
- 2 [Niels Bohr Reminiscences, 1961-1963, 1983] [folder 1 of 2]
- 3 [Reminiscences about] Niels Bohr, n.d. [folder 2 of 2]
- 4 Reference Notes: [Bohr Correspondence with E. Rutherford], 1912-1934, 1937
- 5 Reference Notes: Niels Bohr- [Unpublished Manuscript] *β - Ray Spectra and Energy Conservation*, 1929
- 6 Reference Notes: Harold Høffding, 1931-1932
- 7 Reference Notes: Niels Bohr Unpublished Mss., 1932-1937, 1954-1962
- 8 Reference Notes: Festskrift til Prof. Niels Bohr- October 7, 1935 [in Danish]
- 9 Reference Notes: Bohr Stuff, 1937, 1957 & 1966

Series 2: Manuscripts
Subseries 1: Niels Bohr

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10 Reference Notes: Bohr Stuff, 1982-1986

Box 4

- 1 Reference Notes: [Correspondence with Hendrik Kramers, 1942]
- 2 Reference Notes: Aage's Memorandum- Washington, D.C. - July 1945
- 3 Reference Notes: [Pais Correspondence with Aage Bohr, 1946]
- 4 Reference Notes: Bohr Correspondence, 1946 & 1958
- 5 Reference Notes: Politics, Postwar and Open Letter, 1948-1966 & 1989
- 6 Reference Notes: [Bohr Correspondence with W. Pauli, 1950 & 1955]
- 7 Reference Notes: [Misc. Loose Manuscripts about NB, 1954-1963 & 1983]
- 8 Reference Notes: Niels' Saga, October 1955
- 9 Reference Notes: [Copy of letter from NB to United Nations, 1956]
- 10 Reference Notes: [Excerpts from books on Felix Frankfurter, 1965-1974]
- 11 Reference Notes: War, postdocs, 1968-1979
- 12 Manuscript Drafts: [Opening Pages, Table of Contents, To the Reader]
- 13 Manuscript Drafts: [Chapter 1: Themes]
- 14 Manuscript Drafts: [Chapter 2: In Denmark I was born....]
- 15 Manuscript Drafts: [Chapter 3: Boyhood]
- 16 Manuscript Drafts: [Chapter 4: Toward the Twentieth Century....]
- 17 Manuscript Drafts: [Chapter 5: Natura facit saltum]

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- 1 Manuscript Drafts: [Chapter 6: Student Days]
- 2 Manuscript Drafts: [Chapter 7: In which Bohr goes to England....]
- 3 Manuscript Drafts: [Chapter 8: Bohr, father of the atom]
- 4 Manuscript Drafts: [Chapter 9: How Bohr secured his permanent base of operations]
- 5 Manuscript Drafts: [Chapter 10: Mathematics in physics]
- 6 Manuscript Drafts: [Chapter 11: Bohr and Einstein]
- 7 Manuscript Drafts: [Chapter 12: A modern Viking who comes on a great errand]
- 8 Manuscript Drafts: [Chapter 13: Then the whole picture changes completely....]
- 9 Manuscript Drafts: [Chapter 14: The Spirit of Copenhagen]
- 10 Manuscript Drafts: [Chapter 15: Looking into the atomic nucleus]

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Subseries 1: Niels Bohr

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- 1 Manuscript Drafts: [Chapter 16: Toward the edge of physics in the Bohr style, and a bit beyond]
- 2 Manuscript Drafts: [Chapter 17: How Bohr orchestrated experimental progress in the thirties, in physics and biology]
- 3 Manuscript Drafts: [Chapter 18: Of sad events and of major journeys]
- 4 Manuscript Drafts: [Chapter 19: We are suspended in language]
- 5 Manuscript Drafts: [Chapter 20: Fission]
- 6 Manuscript Drafts: [Chapter 21: Bohr, pioneer of “glasnost”]
- 7 Manuscript Drafts: [Chapter 22: In which Bohr moves full steam ahead into his later years]
- 8 Manuscript Drafts: [Chapter 23: Epilog]
- 9 Manuscript Drafts: [A chronology]
- 10 Publication: Illustrations
- 11 Publication: A.P Sloan (N.B.), 1987-2000

Box 7

- 1 Publication: Random House, 1988-1990
- 2 Publication: N.B. - OUP [Oxford University Press] Contract and subsequent correspondence, 1990-1995
- 3 Publication: NB's Times, 1991-1998

Subseries 2: Paul Dirac

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- 4 Reference Notes: 1978-1996
- 5 Dirac Reprints, 1935-1952
- 6 Dirac Reprints, 1953-1963
- 7 Dirac Reprints, 1964-1984
- 8 Changes for Manuscript
- 9 Photographs and Slides

Subseries 3: Albert Einstein

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- 1 Albert Einstein Biographical, 1875-1948

Series 2: Manuscripts
Subseries 3: Albert Einstein

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- 2 Albert Einstein Biographical, 1950-1979
- 3 Albert Einstein Biographical, 1980-1982 & undated
- 4 Reference Notes: Post Scripta, 1879-1981 [folder 1 of 2]
- 5 Reference Notes: Post Scripta, 1982-1985 & undated [folder 2 of 2]
- 6 Reference Notes: [Xerox of Einstein Certificate, 1902]
- 7 Reference Notes: 1904, 1927, 1972 & 1979
- 8 Reference Notes: AE Papers, 1905-1906, 1921-1950 & 1981

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- 1 Reference Notes: AE Letters, 1905-1955 & 1972-1979
- 2 Reference Notes: Bose-Einstein Stat, 1924-1938, 1953-1978
- 3 Reference Notes: Einstein IAS Files, 1932-1954
- 4 Reference Notes: Dukas/ Nathan, 1955 & 1977-1982
- 5 Reference Notes: De Broglie, Einstein and the birth of the matter wave concept, 1978 & 1988
- 6 Reference Notes: F.B.I. Einstein file, 1981 & 1983
- 7 Reference Notes: Dukas Testament, 1982
- 8 Manuscript: First Thoughts
- 9 Manuscript: Title Page and Preface
- 10 Manuscript: To the reader
- 11 Manuscript: Chapter 1- Purpose and Plan [folder 1 of 2]
- 12 Manuscript: Chapter 1- Purpose and Plan [folder 2 of 2]

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- 1 Manuscript: Chapter 2- New kinds of rays
- 2 Manuscript: Chapter 3- Portrait of a physicist as a young man
- 3 Manuscript: Chapter 4 - Of molecules and entropy and many other things
- 4 Manuscript: Chapter 5 – The reality of molecules
- 5 Manuscript: Chapter 6 – “Subtle is the Lord....”
- 6 Manuscript: Chapter 7 – The new kinematics
- 7 Manuscript: Chapter 8 – The edge of history
- 8 Manuscript: Chapter 9 – Relativity, the general theory
- 9 Manuscript: Chapter 10 – Herr Professor Einstein
- 10 Manuscript: Chapter 11 – The Prague Papers
- 11 Manuscript: Chapter 12 – The Einstein- Grossman Collaboration
- 12 Manuscript: Chapter 13 – Field theories of gravitation: the first fifty years

Series 2: Manuscripts
Subseries 3: Albert Einstein

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- 1 Manuscript: Chapter 14 – The field equations of gravitation
- 2 Manuscript: Chapter 15 – The new dynamics
- 3 Manuscript: Chapter 16 – The suddenly famous Doctor Einstein
- 4 Manuscript: Chapter 17 – Unified Field Theory
- 5 Manuscript: Chapter 18 – Preliminaries
- 6 Manuscript: Chapter 19 – The light quantum
- 7 Manuscript: Chapter 20 – Einstein and specific heats
- 8 Manuscript: Chapter 21 – The photon
- 9 Manuscript: Chapter 22 – Interlude: The BKS Proposal
- 10 Manuscript: Chapter 23 – A loss of identity: the birth of quantum statistics
- 11 Manuscript: Chapter 24 – Einstein as a transitional figure: The birth of wave mechanics
- 12 Manuscript: Chapter 25 - Einstein's response to the new dynamics
~~~~~ Chapter 26-28 not in collection ~~~~~
- 13 Manuscript: Chapter 29 – Of tensors and a hearing aid and many other things: Einstein's collaborators
- 14 Manuscript: Chapter 30 – How Einstein got the Nobel Prize
- 15 Manuscript: *Einstein Lived Here*- Chapters 9 & 10

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- 1 Manuscript: *Einstein Lived Here* – Chapter 11: Einstein and the Jews
- 2 Manuscript: Albert Einstein Centennial, 1977-1979 [folder 1 of 3]
- 3 Manuscript: Albert Einstein Centennial, 1977-1979 [folder 2 of 3]
- 4 Manuscript: Albert Einstein Centennial, 1977-1979 [folder 3 of 3]
- 5 Manuscript: *Physics Today*, August 1994
- 6 Publication: Einstein RMP, 1978-1979
- 7 Publication: Permissions, 1979-1982
- 8 Publication: OUP [Oxford University Press]- Dr. Pais, 1980-1982
- 9 Publication: OUP, 1980-1985
- 10 Publication: *S. is the L.* Letters, 1980-1985
- 11 Publication: *Subtle is the Lord*, 1982-1984

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- 1 Publication: *Subtle is the Lord* Reviews, 1982-1985
- 2 Publication: AE Corrections, 1982-1986

**Series 2: Manuscripts**  
**Subseries 3: Albert Einstein**

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- 3 Publication: Russian Translation, 1984-1990
- 4 Publication: German Translation, 1985-1988
- 5 Publication: Italian and Brazilian Translation, 1985-1990 & 1999
- 6 Publication: French Translation, 1985-1999
- 7 Publication: Japanese Translation, 1986-1987 & 1990
- 8 Publication: Chinese Translation, 1986-1990 & 1999
- 9 Publication: French Translation, 1988 & 1992-1993
- 10 Publication: Serbo-Croatian Translation, 1993
- 11 Publication: Einstein Lived Here- Translations, 1994-1996
- 12 Publication: Einstein Lived Here, 1994-1997

**Subseries 4: Inward Bound**

Box 13 cont'd

- 13 Reference Notes: Research Correspondence, 1983-1984 [publication dates: 1905-1984]
- 14 Reference Notes: Chapter 1 – Purpose and plan
- 15 Reference Notes: Chapter 2 – New kinds of rays: Part (a) Roentgen
- 16 Reference Notes: Chapter 2 – New kinds of rays: Part (b) Becquerel

Box 14

- 1 Reference Notes: Chapter 3 – From uranic rays to radioactivity; Part (a) The Curies
- 2 Reference Notes: Chapter 3 – From uranic rays to radioactivity; Part (b) Rutherford
- 3 Reference Notes: Chapter 4 – The first particle [folder 1 of 2]
- 4 Reference Notes: Chapter 4 – The first particle [folder 2 of 2]
- ~~~~~ Chapter 5 not in collection ~~~~~
- 5 Reference Notes: Chapter 6 – Radioactivity's three early puzzles
- ~~~~~ Chapter 7 not in collection ~~~~~
- 6 Reference Notes: Chapter 8 –  $\beta$ - Spectra, 1907-1914
- 7 Reference Notes: Chapter 9 – Atomic structure and spectral lines [folder 1 of 3]
- 8 Reference Notes: Chapter 9 – Atomic structure and spectral lines [folder 2 of 3]

**Series 2: Manuscripts**  
**Subseries 4: Inward Bound**

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- 1 Reference Notes: Chapter 9 – Atomic structure and spectral lines [folder 3 of 3]
- 2 Reference Notes: Chapter 10 – ‘It was the epoch of belief, it was the epoch of incredulity’
- 3 Reference Notes: Chapter 11 – Nuclear physics’ tender age
- 4 Reference Notes: Chapter 12 – Quantum mechanics, an essay  
~~~~~ Chapter 13 not in collection ~~~~~
- 5 Reference Notes: Chapter 14 – Nuclear physics, the age of paradox [folder 1 of 3]
- 6 Reference Notes: Chapter 14 – Nuclear physics, the age of paradox [folder 2 of 3]
- 7 Reference Notes: Chapter 14 – Nuclear physics, the age of paradox [folder 3 of 3]
- 8 Reference Notes: Chapter 15 – Quantum fields, or how particles are made and how they disappear

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- 1 Reference Notes: Chapter 16 – Battling the infinite [folder 1 of 3]
- 2 Reference Notes: Chapter 16 – Battling the infinite [folder 2 of 3]
- 3 Reference Notes: Chapter 16 – Battling the infinite [folder 3 of 3]
- 4 Reference Notes: Chapter 16 – Battling the infinite; Part (d) Quantum electrodynamics in the thirties [folder 1 of 2]
- 5 Reference Notes: Chapter 16 – Battling the infinite; Part (d) Quantum electrodynamics in the thirties [folder 2 of 2]
~~~~~ Chapter 17 not in collection ~~~~~
- 6 Reference Notes: Chapter 18 – Of quantum electrodynamics’ triumphs and limitations and of a new particle’s sobering impact; Part (a) Shelter Island

Box 17

- 1 Reference Notes: Chapter 18 – Of quantum electrodynamics’ triumphs and limitations and of a new particle’s sobering impact; Part (b) Muons [folder 1 of 3]
- 2 Reference Notes: Chapter 18 – Of quantum electrodynamics’ triumphs and limitations and of a new particle’s sobering impact; Part (b) Muons [folder 2 of 3]
- 3 Reference Notes: Chapter 18 – Of quantum electrodynamics’ triumphs and limitations and of a new particle’s sobering impact; Part (b) Muons [folder 3 of 3]
- 4 Reference Notes: Chapter 19 – In which particle physics enters the era of big machines and big detectors and pion physics goes through ups and downs [folder 1 of 2]

**Series 2: Manuscripts**  
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- 5 Reference Notes: Chapter 19 – In which particle physics enters the era of big machines and big detectors and pion physics goes through ups and downs [folder 2 of 2]
- 6 Reference Notes: Chapter 20 – Onset of an era: new forms of matter appear, old symmetries crumble [folder 1 of 3]

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- 1 Reference Notes: Chapter 20 – Onset of an era: new forms of matter appear, old symmetries crumble [folder 2 of 3]
- 2 Reference Notes: Chapter 20 – Onset of an era: new forms of matter appear, old symmetries crumble [folder 3 of 3]
- 3 Reference Notes: Chapter 21- Essay on modern times: 1960-83 [folder 1 of 4]
- 4 Reference Notes: Chapter 21- Essay on modern times: 1960-83 [folder 2 of 4]
- 5 Reference Notes: Chapter 21- Essay on modern times: 1960-83 [folder 3 of 4]
- 6 Reference Notes: Chapter 21- Essay on modern times: 1960-83 [folder 4 of 4]

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- 1 Manuscript: Master Copy- A History of Elementary Particles [original version of *Inward Bound*] [folder 1 of 2]
- 2 Manuscript: Master Copy- A History of Elementary Particles [original version of *Inward Bound*] [folder 2 of 2]
- 3 Manuscript: Chapter 3 – From uranic rays to radioactivity
- 4 Manuscript: Chapter 4 – The first particle
- 5 Manuscript: Chapter 5 – Earliest physiological discoveries
- 6 Manuscript: Chapter 6 – Radioactivity's three early puzzles
- 7 Manuscript: Chapter 7 – Pitfalls of simplicity
- 8 Manuscript: Chapter 8 –  $\beta$ -spectra, 1907-1914
- 9 Manuscript: Chapter 9 – Atomic structure and spectral lines
- 10 Manuscript: Chapter 10 – 'It was the epoch of belief, it was the epoch of incredulity'
- 11 Manuscript: Chapter 11- Nuclear physics' tender age [folder 1 of 3]

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- 1 Manuscript: Chapter 11 – Nuclear physics' tender age [folder 2 of 3]
- 2 Manuscript: Chapter 11 – Nuclear physics' tender age [folder 3 of 3]
- 3 Manuscript: Chapter 12 – Quantum mechanics, an essay

**Series 2: Manuscripts**  
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- 5 Manuscript: Chapter 14 – Nuclear physics, the age of paradox
- 6 Manuscript: Chapter 15 – Quantum fields, or how particles are made and how they disappear
- 7 Manuscript: Chapter 16 – Battling the infinite
- 8 Manuscript: Chapter 17 – In which the nucleus acquires a new constituent, loses and old one, reveals new forces with new symmetries, and is explored by new experimental methods
- 9 Manuscript: Chapter 18 – Of quantum electrodynamics' triumphs and limitations and of a new particle's sobering impact

Box 21

- 1 Manuscript: Chapter 19 – In which particle physics enters the era of big machines and big detectors and pion physics goes through ups and downs [folder 1 of 2]
- 2 Manuscript: Chapter 19 – In which particle physics enters the era of big machines and big detectors and pion physics goes through ups and downs [folder 2 of 2]
- 3 Manuscript: Chapter 20 – Onset of an era: new forms of matter appear, old symmetries crumble [folder 1 of 2]
- 4 Manuscript: Chapter 20 – Onset of an era: new forms of matter appear, old symmetries crumble [folder 2 of 2]
- 5 Manuscript: Chapter 21 – Quantum field theory redux/ Essays on modern times: 1960-1983 [folder 1 of 2]
- 6 Manuscript: Chapter 21 – Essays on modern times: 1960-1983 [folder 2 of 2]
- 7 Manuscript: Chapter 22 – Being a conclusion that begins [starts] as epilog and ends as prolog
- 8 Publication: Post- I.B. [*Inward Bound*], [1931-1961] & 1986-1988
- 9 Publication: Book 2, 1980-1984
- 10 Publication: *Inward Bound* [1897-1978], 1981-1989 [folder 1 of 2]

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- 1 Publication: *Inward Bound* [1897-1978], 1981-1989 [folder 2 of 2]
- 2 Publication: I.B. Errata, 1986-1988

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**Subseries 5: A Tale of Two Continents [Autobiography]**

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- 3 Reference Notes: 1942 & 1994
- 4 Reference Notes: Newspapers, 1945
- 5 Reference Notes: War, 1947-1992
- 6 Reference Notes: Postwar, 1945-1993
- 7 Reference Notes: Brookhaven National Laboratory, 1993
- 8 Manuscript: Chapters 1-10

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- 1 Manuscript: Chapters 1-11
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- 3 Manuscript: Chapters 15-22 [folder 1 of 2]
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- 5 Manuscript: Chapters 23-28 [folder 1 of 2]
- 6 Manuscript: Chapters 23-28 [folder 2 of 2]

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- 1 Manuscript: Chapters 29-33 [folder 1 of 2]
- 2 Manuscript: Chapters 29-33 [folder 2 of 2]
- 3 Publication: A Tale of Two Continents, 1997-1998

**Subseries 6: Essays, Articles and Unpublished Manuscripts**

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- 4 *American Scientist*- "How Einstein Got the Nobel Prize"- July/August 1982
- 5 Anti-neutrino reactions, n.d.
- 6 Approximate Unitary Symmetry and the Parity Question, 1964
- 7 Born, Max, 1926-1982
- 8 Classical Example of Essentially Singular Coupling, 1964
- 9 Comments on the present status of the strong interactions problems- Unpublished mss, n.d.
- 10 Compton Scattering on Stable Targets of Arbitrary Spin, n.d.
- 11 CP-Invariance &  $2\pi$ -Modes of Long-lived Neutral K-Particles (Pais/Gürsey)-n.d.
- 12 Dirac, 1947-1999
- 13 The Discovery of the Electron, 1997

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**Subseries 6: Essays, Articles and Unpublished Manuscripts**

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- 14 The Dynamics of Science, 1921-1986
- 15 The Dynamics of Science, 1955-1998
- 16 Energy Bounds for Charm and for Heavy Lepton Production in  $e^+ e^-$  Annihilation, 1974-1977

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- 1 Energy Peaks, n.d.
- 2 Einstein Addenda, 1910-1990 [folder 1 of 2]
- 3 Einstein Addenda, 1910-1990 [folder 2 of 2]
- 4 A.E. [Albert Einstein]- A.A.A.S. [American Association for the Advancement of Science] Lecture, 1980
- 5 Einstein Manuscripts, 1981-1982
- 6 Einstein: Origin of E. Legend, n.d.
- 7 Fermilab Paper, 1985
- 8 A Field Theory of Weak Interactions I- n.d. [folder 1 of 2]
- 9 A Field Theory of Weak Interactions I- n.d. [folder 2 of 2]
- 10 A Field Theory of Weak Interactions II- n.d.

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- 1 Freeman Dyson, 1996
- 2 Glimpses of Oskar Klein as Scientist and Thinker, 1994
- 3 The Image of Physics- Unpublished mss., 2000
- 4 On a Plane Ising Lattice with First and Second Interactions, 1941-1963
- 5 *Journal of Jocular Physics*- Vol. I-III, 1945-1955
- 6 *Journal on Nuclear Eqs.*, 1951 [folder 1 of 2]
- 7 *Journal on Nuclear Eqs.*, 1951 [folder 2 of 2]
- 8 Lorentz Invariance & SU(6) Theory (Pais with Beg), 1965
- 9 Lorentz Invariance & SU(6) Theory II (Pais with Beg), n.d.
- 10 The Many  $\pi$ -Meson Problem II, n.d.
- 11 Marie Curie, 1999

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- 1 Miscellaneous, 1979-2001
- 2 Miscellaneous quote sources, 1944-1993
- 3 Niels Bohr on the Danish Scene- n.d.

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**Subseries 6: Essays, Articles & Unpublished Manuscripts**

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- 4 Nuclear Physics in the Netherlands, the Early Years- 1990
- 5 Notes on W3- n.d.
- 6 Parity SU(6) – n.d.
- 7 *Particle Jungle* (TV Manuscript), 1965
- 8 Particles, 1968
- 9 Paul Dirac: Aspects of his life and work, n.d.
- 10 Peaks in Mesonic Systems (Nauenberg/Pais), 1964
- 11 Pauli, Wolfgang, 1955 & undated notes
- 12 Phase Shift Extraction..., n.d.
- 13 *The Physical Review: Then and Now*, 1993
- 14 Physics in Denmark, from a college for the clergy to modern times, 1996
- 15 *Physics Today* [Pais article, “The Princeton Period”], 1967
- 16 *Physics Today* [Pais contribution, “Stalin, Fuchs, and the Soviet Bomb”], 1990
- 17  $\pi\lambda$ - Phase Shift Information..., n.d.
- 18 Pion Phase-Shift Information from  $K_{14}$  Decays, 1968 and other
- 19 Planck, Max (materials for essays), n.d.

Box 28

- 1 Planck, Max, n.d.
- 2 Polaron, n.d.
- 3 The Power of the Word, n.d.
- 4 Problems in the Theory of Elementary Particles, n.d.
- 5 Quadruple Moment, n.d.
- 6 Reflections on Bohr and Einstein, n.d.
- 7 Relativistic Crossing Symmetric SU(6), n.d.
- 8 Reminiscences from the Post-war Years, 1967
- 9 Res Jost, n.d.
- 10 Reviews and Articles, 1958-1986
- 11 Scattering formalism for singular potential theory, n.d.
- 12 Shabbos in Cecilienhof, n.d.
- 13 Siena, “Methods and Problems in the Dynamics of Weak Interactions,” n.d.
- 14 Singular Potentials and Peratization II (Pais/Wu), n.d.

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- 1 Spin, 1967-1968
- 2 Spin- Unitary Spin Independence (Pais), n.d.

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- 3 Spin- Unitary Spin Independence II, n.d.
- 4 Spin, Unitary Spin and Weak Interactions (unpublished manuscript), n.d.
- 5 Spin/Weak Interactions, n.d.
- 6 A Study of the Decays  $K \rightarrow \ell\ell$  and  $K \rightarrow \pi\ell\ell$ , n.d.
- 7 SU(6) Completed
- 8 SU(6) – Old Notes, 1964-1965
- 9 SU(6)/ Semi-leptonic interactions (Pais/Beg), 1964
- 10 A Suggestion Concerning the Reflexion Properties of Hyperons and K-Meson (Unpublished mss.), n.d.
- 11 Review of “Symmetries and Reflections” and Article; “Low Energy Theorems for Spin....” n.d.
- 12 Theoretical High Energy Physics, n.d.
- 13 Theoretical Particle Physics, 1999
- 14 Tops- “Excursion into the theory of tops”, n.d.

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- 1 Uhlenbeck, G.E., 1859-1990 [folder 1 of 2]
- 2 Uhlenbeck, G.E., 1859-1990 [folder 2 of 2]
- 3 Uhlenbeck, G.E., 1916-1989 [folder 1 of 2]
- 4 Uhlenbeck, G.E., 1916-1989 [folder 2 of 2]
- 5 Uhlenbeck, G.E.- Heraldries, 1982
- 6 Untitled, unpublished manuscript, n.d.
- 7 Vector Meson Theory, 1950-1964
- 8 Vector Model, 1952 and undated drafts

Box 31

- 1 Vertices with Partial SU(6,6) Structure, n.d.
- 2 Victor Friedrich Weisskopf, 1982
- 3 Weak Interactions I, n.d.
- 4 Weak Interactions II, n.d.
- 5 Weak Interactions III, n.d.
- 6 Weak Interactions- “A Field Theory of Weak Interactions III” [Unpublished], n.d.
- 7 Woolly Cusp (galley proof), n.d.
- 8 Yang-Mills, 1953-1983

### **Series 3: Subject Files**

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- 9 A (Abraham – *Art Quarterly*) [folder 1 of 2]
- 10 A (Alembic Club – Andrade) [folder 2 of 2]
- 11 Abraham Pais- *Current Biography*, 1994
- 12 Accelerators, 1948-1986

#### Box 32

- 1 A.I.P. [American Institute of Physics], 1974-1976
- 2 [American Focus Lecture] (poster), 1995
- 3 Appendices, 1923-1980
- 4 Articles, 1968 and undated
- 5 Astrophysics, 1978
- 6 [Atomic Energy Bills, 1945 & 1973-1982]
- 7 B (Baheall – Brown)
- 8 B (Badash – Boltzmann) [folder 1 of 2]
- 9 B (Born – Bush) [folder 2 of 2]
- 10 B-decay, n.d.

#### Box 33

- 1 Bohr, Niels [Commemoration of 50<sup>th</sup> Anniversary of first papers], 1963
- 2 de Broglie, Louis (1922-1925 & 1962-1989)
- 3 C (Casimir – Cohen) [folder 1 of 2]
- 4 C (Casimir – Curie) [folder 2 of 2]
- 5 Carnegie Institute of Technology- Aubrey Butler Mickelwait, n.d.
- 6 Chaos I, (1883) – 1992
- 7 Chaos II, (1927) – 1992
- 8 Charm, 1976
- 9 Collaborators, 1920-1984

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- 1 Condensation, n.d.
- 2 Conference on Ludwig Boltzmann, 1981 & 1983
- 3 Cosmic Rays, (1911) – 1981
- 4 CP-violation, 1955-1970 [folder 1 of 2]
- 5 CP- violation, 1975-1989 [folder 2 of 2]
- 6 Cusps, n.d.
- 7 D (Dällenbach – Douglas) [folder 1 of 2]

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- 8 D (Danysz – Duhem) [folder 2 of 2]

#### Box 35

- 1 Deuterium CS, 1960-1961
- 2 Dispersion Relations (by Michael Nauenberg), 1961
- 3 Dyson, Freeman (1980 & 1996)
- 4 E (Earman – Epstein) [folder 1 of 2]
- 5 E (Earnshaw – Erdős) [folder 2 of 2]
- 6 ETH [Eidg. Technischen Hochschule], (1905) – 1981
- 7 Experimental Nuclear Physics, 1932-1987
- 8 F (Faraday – Freundlich) [folder 1 of 2]
- 9 F (Farrar – Freundenthal) [folder 2 of 2]

#### Box 36

- 1 Faust: Eine Historie, 1932
- 2 Feigenbaum & Libchaber, 1979-1991 [folder 1 of 2]
- 3 Feigenbaum & Libchaber, 1980 & 1986-1990 [folder 2 of 2]
- 4 Feigenbaum Papers, 1976-1994
- 5 Feynman, Richard P.- January to March 1951
- 6 Feynman, Richard P., 1986-1991
- 7 Fretter & Leighton, V-Particle Pictures, n.d.
- 8 Freundenthal, 1959-1961
- 9 G (Gamow – Guth) [folder 1 of 2]
- 10 G (Gilbert – Gyldeén) [folder 2 of 2]
- 11 Gell-Mann/  $K^1 - K^2$ , 1953-1989

#### Box 37

- 1 GR [General Relativity], 1975-1985
- 2 H (Habicht – Hilbert) [folder 1 of 2]
- 3 H (Hoff – Hubble) [folder 2 of 2]
- 4 H (Hadamard – Henry) [folder 1 of 2]
- 5 H (Hermann – Hund) [folder 2 of 2]
- 6 Haas Effect, 1918-1935 & 1970-1982
- 7 Heisenberg, Werner, 1930-1939 & 1950-1953

### Series 3: Subject Files

#### Box 38

- 1 Hermann, A. – n.d.
- 2 Herring, C. –n.d.
- 3 History of Physics, 1904-1976 [with gaps]
- 4 Holland (maps)
- 5 I-J (Infeld – Jeans) [folder 1 of 2]
- 6 I-J (Infeld – Jeffery) [folder 2 of 2]
- 7 Institute for Advanced Study, 1936-1981
- 8 Institute for Advanced Study, 1947-1960
- 9 Institute for Advanced Study, 1956 & 1973-1974

#### Box 39

- 1 Institutions, 1910-1992 [folder 1 of 2]
- 2 Institutions, 1910-1992 [folder 2 of 2]
- 3 Jost, Prof. R., 1926-1977 & 1984-1997
- 4 K (Kac – Kronig) [folder 1 of 2]
- 5 K (Klein – Kronig) [folder 2 of 2]
- 6 Klein, M., 1959-1982

#### Box 40

- 1 Kos, n.d.
- 2 Kramers, H., 1952-1983 & 1991-1996
- 3 L (Lampa- Lense) [folder 1 of 2]
- 4 L (Le Verrier-Lorentz) [folder 2 of 2]
- 5 Laboratories, 1953 & 1977-1987
- 6 Lánczos, Cornelius, 1974-1975
- 7 LET [Linear Energy Transfer], n.d.
- 8 The Lewis Thomas Prize, 1995 & 1999
- 9 Lorentz Correspondence, [(1906) - 1960] (contains undated notes by AP)
- 10 M (Mach – Mehra) [folder 1 of 2]

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- 1 M (Melcher – Miller) [folder 2 of 2]
- 2 M (Mach – Mehra) [folder 1 of 2]
- 3 M (Meritt- Mulliken) [folder 2 of 2]
- 4 McCormach, Russell, 1966, 1969 & 1974

### **Series 3: Subject Files**

#### Box 41 cont'd

- 5 Meson50- Kyoto International Symposium: The Jubilee of the Meson Theory  
[Envelope], 1985
- 6 Monopoles, 1977 & 1981-1984
- 7 N (Nobel – Nordström)
- 8 N-O (Nagaoka - Oort)

#### Box 42

- 1 Nernst, (1898-1918)
- 2 New Physics, 1968-1985 [folder 1 of 2]
- 3 New Physics, 1982-1998 [folder 2 of 2]
- 4 Newspapers, 1919-1920, 1933, 1955 & 1979
- 5 Niels Bohr Foundation, 1933-1987 [folder 1 of 2]
- 6 Niels Bohr Foundation, 1933-1987 [folder 2 of 2]
- 7 Niels Bohr-War, 1936-1962 & 1984-1990 [folder 1 of 2]
- 8 Niels Bohr-War, 1943-1980 [folder 2 of 2]

#### Box 43

- 1 Nobel Prizes, 1900-1935 [folder 1 of 2]
- 2 Nobel Prizes, 1960-1984 [folder 2 of 2]
- 3 Old Quantum Theory, 1903-1987 [folder 1 of 3]
- 4 Old Quantum Theory, 1903-1987 [folder 2 of 3]
- 5 Old Quantum Theory, 1903-1987 [folder 3 of 3]
- 6 P (Pauli – Photoelectric Effect) [folder 1 of 3]

#### Box 44

- 1 P (Placzek-Poincaré) [folder 2 of 3]
- 2 P ( Pringsheim- Pyenson) [folder 3 of 3]
- 3 Particles & Field, 1931-1932 & 1962-1977
- 4 Pauli, Franca, 1959-1986
- 5 Pauli, W., 1930-1958 & 1976-1992 [folder 1 of 2]
- 6 Pauli, W., 1933-1994 [folder 2 of 2]
- 7 Perihelion, 1903 & 1922
- 8 Photoeffect, 1912-1916
- 9 Physics in the Netherlands, 1931-1960 & 1990

### Series 3: Subject Files

#### Box 45

- 1 Physiology, 1896-1936, 1962 & 1973
- 2 Physiology-Ra, 1900-1952 & 1975-1983
- 3 Portugal (maps)
- 4 Publications, 1958
- 5 Publications-College Life, 1968
- 6 Quantum Mechanics, 1930, 1954 & 1975-1989
- 7 R (Rabi – Rydberg)
- 8 Rabi, I.I.- 1946 & 1970-1996 [folder 1 of 2]
- 9 Rabi, I.I. - 1946 & 1970-1996 [folder 2 of 2]

#### Box 46

- 1 Reference Notes- n.d.
- 2 Reviews, 1986- 1999
- 3 Rockefeller Institute, 1967-1996 **CLOSED**
- 4 Russian for the Scientist, n.d.
- 5 Rutherford, Ernest. 1903-1913, 1968 & 1991
- 6 S (Salaman-Sutherland)
- 7 S (Sagnac-Silliman) [folder 1 of 2]
- 8 S (Smyth- Stuewer) [folder 2 of 2]
- 9 Scattering Cusps- n.d.
- 10 Scattering Theory- n.d.

#### Box 47

- 1 Schulmann, Robert- Note, n.d.
- 2 Schweber, Silvan. 1928 & 1989
- 3 *Serber Says*, 1947
- 4 70<sup>th</sup> Birthday, 1988
- 5 SF- - Dr. E [Einstein], 1917-1920 & 1981
- 6 Smoluchowski- Opalescence, 1908-1957
- 7 Speiser, D. – 1984
- 8 Spin, 1922-1930 & 1953-1982 [folder 1 of 2]
- 9 Spin, 1922-1930 & 1953-1982 [folder 2 of 2]
- 10 Stachel, John, 1971-1983

#### Box 48

- 1 Statistical Physics, (1865)-1895 & 1957-1981 [folder 1 of 2]

### **Series 3: Subject Files**

#### Box 48 cont'd

- 2 Statistical Physics, (1865)-1895 & 1957-1981 [folder 2 of 2]
- 3 Students, 1981-1982 CLOSED
- 4 T (Talmey- Treder) [ folder 1 of 2]
- 5 T (Tait-Tuan) [folder 2 of 2]
- 6 Tashkent, 1972
- 7 Theoretical Nuclear Physics, 1936-1988 [folder 1 of 2]
- 8 Theoretical Nuclear Physics, 1936-1988 [folder 2 of 2]
- 9 U (Uehling-Urey)
- 10 UFT [Unified Field Theory], 1918-1979 [folder 1 of 2]

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- 1 UFT [Unified Field Theory], 1918-1979 [folder 2 of 2]
- 2 Uhlenbeck, 1963-1979
- 3 U,V,W (Unsöld – Winteler)
- 4 V (van der Waerden – Verwey)
- 5 Varia, 1927-1990
- 6 Varia- Amsterdam, 1970
- 7 Varia-Family/Parents, 1956-1969 and undated
- 8 Velocity of Light, 1964
- 9 W (van der Waals – Wooster)
- 10 Weak Interactions I & II- n.d.
- 11 Wigner, Eugene P., 1926-1998 [folder 1 of 2]
- 12 Wigner, Eugene P., 1926-1998 [folder 2 of 2]

#### Box 50

- 1 Wu, C.S., 1952-1977
- 2 Y,Z ( Young-Zernike)
- 3 Yang, C.N. – Introduction to High Energy Physics- n.d.

### **Series 4: Lectures**

#### Box 50 cont'd

- 4 Advanced Quantum Mechanics (Field Theory) –Columbia University, Winter 1955-1956
- 5 Astrophysics- n.d.
- 6 Balfour Lectures- n.d.

## **Series 4: Lectures**

### Box 50 cont'd

- 7 "Continuous Groups and Reflections in Quantum Mechanics" – by W. Pauli  
(Lectures 1-28), 1958
- 8 Dispersion Relations, June 1959
- 9 Field Theory-Columbia University, Spring 1955

### Box 51

- 1 Freeman Dyson, 1996
- 2 Heinz Rudolph Pagels, 1988
- 3 Helen Dukas, 1982
- 4 Multipion Systems Lecture (Bounds etc.), 1963 & 1974
- 5 Petiau, G. - Lectures, 1945-1956 [folder 1 of 2]
- 6 Petiau, G. – Lectures, 1945-1956 [folder 2 of 2]
- 7 Planck Lecture- NY Copy, n.d.
- 8 The Power of the Word, n.d.
- 9 RU "Popular Lecture", n.d.
- 10 X-Rays and Radium Lecture, n.d.
- 11 Miscellaneous Lectures, 1957-1959
- 12 Miscellaneous Lectures, 1960-1964
- 13 Miscellaneous Lectures, 1965-1967

### Box 52

- 1 Miscellaneous Lectures, 1968-1988
- 2 Miscellaneous Lectures, 1978-1979
- 3 Miscellaneous Lectures, n.d.

## **Series 5: Correspondence**

### Box 52 cont'd

- 4 A (Aaserud-Auburn)
- 5 B (Baker-Brown)
- 6 Berkeley, 1956-1963
- 7 Berlin, 1982-1990
- 8 Biodata-Others, 1980-1982
- 9 Bohr, A., 1946-1979
- 10 Bohr Memorial, 1962-1963
- 11 Bohr, N. - Reminiscences, 1954-1984

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12 Bohr, Professor N., 1947-1982

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- 1 Books, 1979-1981
- 2 Breit, C., 1946-1967
- 3 Bronk, Dr. Detlev W., 1963-1970 **CLOSED**
- 4 C (Carnegie-Curie)
- 5 Car, 1968-1987
- 6 CERN, 1955-1979
- 7 China, 1982-1987
- 8 Cohen, E.G.D., 1975-1997
- 9 Columbia University, 1954-1968
- 10 Cool, R., 1966-1970
- 11 Coral Gables, 1979-1980
- 12 Council on Foreign Relations, 1980-1982 **CLOSED**
- 13 Crack-pot File, 1947-1987
- 14 D (Dalitz-Dyson)
- 15 Dubna M.S., 1964
- 16 Dukas, Helen, 1982
- 17 Dyson, Dr. Freeman, 1949-1971
- 18 E (Ehrenfest- Extermann)
- 19 Einstein Collected Works, 1984-1993
- 20 Electronic Nobel Museum (ENM), 1999
- 21 F (Feinberg-Fulton)

### Box 54

- 1 Faculty-IAS [Institute for Advance Study], 1951-1953
- 2 Faculty-IAS, 1954
- 3 Faculty-IAS, 1955-1956
- 4 Faculty-IAS, 1956-1957
- 5 Faculty-IAS, 1958-1959
- 6 Faculty-IAS, 1959-1960
- 7 Faculty-IAS, 1960-1962
- 8 Faculty-IAS, 1962
- 9 F.B.I., 1981-1999
- 10 FOM [Foundation for Fundamental Research of Matter], 1975
- 11 G (Garrison-Gursey)

## Series 5: Correspondence

### Box 55

- 1 *The Genius of Science*, 1999-2000
- 2 H (Ha- Hulthén)
- 3 House, 1978-1989
- 4 I (Immigration & Naturalization – Italie)
- 5 Institute for Advanced Study, 1945-1954
- 6 Institute for Advanced Study, 1959 & 1962-1963
- 7 Insurance, 1993
- 8 [Isotopic Spin], 1950-1952
- 9 Israel, 1976-1977
- 10 J (Japan-Judge)
- 11 Japan, 1953
- 12 Jost, Res., 1972-1985 [folder 1 of 2]
- 13 Jost, Res., 1972-1985 [folder 2 of 2]

### Box 56

- 1 K (Kac-Kuiper)
- 2 Ke<sub>4</sub>, 1967-1968
- 3 Khuri, Dr. N.N., 1963-1968
- 4 Knickerbocker Club, 1978-1986 **CLOSED**
- 5 Koch, Congressman E., 1969
- 6 Kramers, H.A., 1943-1952
- 7 L (Lamb-Lyons)
- 8 Lederberg, 1960, 1965, 1978
- 9 Lee & Yang, 1949-1958
- 10 Life Energies, 1970-1971
- 11 M (Manneback-Munksgaard)
- 12 Michel, Louis, 1952-1965
- 13 Montpeirous, Raymonde, 1964
- 14 Moscow, 1955-1959
- 15 MRS [Model, Roland, and Stone], 1960-1962
- 16 N (National Arts Club – Nobel Symposia)
- 17 National Academy of Sciences, 1962-1963
- 18 National Science Foundation & Dept. of the Air Force, 1967-1968
- 19 New York, 1964-1965
- 20 Nordic Institute, 1957

## Series 5: Correspondence

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- 1 O (Oehme – Omni)
- 2 Oppenheimer Prize, 1978-1979
- 3 P ( Panofsky – Purcell)
- 4 Pagels, H.R., 1966-1968 & 1988
- 5 Pais, L. [Lila]
- 6 Pauli Correspondence, 194[?]-1963
- 7 Permission Granted, 1990-1993
- 8 Pictures, 1981
- 9 Princeton, 1977-1979
- 10 Princeton Visiting Committee, 1980-1987
- 11 R (Rabi- Ruderman) **CLOSED**
- 12 Röntgen, 1974
- 13 Rosenfeld, L., 1941-1966
- 14 S (Sakarov- Syge) **CLOSED**
- 15 Salary, 1981
- 16 Sanda, A., 1974-1991
- 17 “SLAC”, 1968-1984
- 18 Smithsonian, 1978-1979
- 19 Stockholm, 1982-1998

### Box 58

- 1 T (Talmi- Treiman)
- 2 Travel, 1948-1960
- 3 U (Ufford – Utiyama)
- 4 USSR, 1965-1974
- 5 V (Van Hove – Villars)
- 6 Veltman, 1966-1975
- 7 Von Neumann, 1949-1992
- 8 W (Waller-Wu)
- 9 Weisskopf, Victor, 1981-1984
- 10 Y (Yang-Yukawa)
- 11 Z (Zanstra-ZWO)
- 12 Misc. Correspondence, 1987-1990

## **Series 6: Notes and Notebooks**

### Box 59

- 1 Calc post V., 1951
- 2 CERN- Geneva 23 Switzerland, n.d.
- 3 CERN Lectures, 1960
- 4 Colliding Beams, 1957-1970
- 5 Columbia, n.d.
- 6 Composite Particles- Stanford, August 1951
- 7 Conform \_\_\_ [2<sup>nd</sup> word illegible]
- 8 Cosmic Rays, 1938-1939

### Box 60

- 1 Covariance problems, n.d.
- 2 CP, 1958-1973 [folder 1 of 2]
- 3 CP, 1958-1973 [folder 2 of 2]
- 4 Damping Problems, n.d.
- 5 Differentiaal- Meetkunde, 1937-1938
- 6 Essays, 1958-1982
- 7 Field Theory, n.d.
- 8 Field Theory, 1948-1949

### Box 61

- 1 Field Theory II, 1948-1949 (Strong Coupling)
- 2 Field Theory III, 1951
- 3 Field Theory notes, n.d.
- 4 Field Theories with non-localized action-I, n.d.
- 5 Formularium, n.d.
- 6 Functie Theorie, 1938-1939
- 7 Helicity, n.d.
- 8 Helium I & II, 1941
- 9 [History of Atomic Structure] , n.d.

### Box 62

- 1 History of Physics, 1947-1961
- 2 Hydrodynamics, n.d.
- 3 Inclusive Reactions, n.d.
- 4 Institute for Advanced Study – I, n.d.
- 5 Integ[rnabubeuing] - Prof. Wolff, 1938-1939

## **Series 6: Notes and Notebooks**

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- 6 ISING- model, 1951
- 7 Ising model- Calculations- Stanford, 1951

### Box 63

- 1 Isospin Bounds, n.d.
- 2 JETPL, n.d.
- 3 Klasnik Electroneutheorie- Institute for Advanced Study, n.d.
- 4 LCA, 1971-1972
- 5 Many body problems I- Institute for Advanced Study, n.d.
- 6 Many body problems II- Institute for Advanced Study, 1959
- 7 Many body problems III- Institute for Advanced Study, n.d.

### Box 64

- 1 Maxwell- Ref. Chap. 1, 1855-1904 and undated notes
- 2 Mesons, Mass spectra, Non-localizable systems- Institute for Advanced Study, n.d.
- 3 Models, 1967-1975
- 4 Neutral Currents; Heavy Leptons, 1972
- 5 Niels Bohr, 1986-1987
- 6 Non-leptonic Decays, 1957 & 1960-1961
- 7 Non-localized fields- Institute for Advanced Study, n.d.

### Box 65

- 1 Notes on Strong Coupling Theory, n.d.
- 2 Notes 76- Rockefeller University, 1976
- 3 Nuclear Physics III, Jost – Pais calculations- Institute for Advanced Study, 1951
- 4 Nuclear Theory I- Institute for Advanced Study- Course, 1948-1949
- 5 Nuclear Theory II- Institute for Advanced Study, 1948-1949
- 6 Particles I- Institute for Advanced Study, 1953-1954
- 7 Particles II- Institute for Advanced Study, n.d.
- 8 Particles III- Institute for Advanced Study, n.d.

### Box 66

- 1 Particles IV- Institute for Advanced Study, n.d.
- 2 Particles V- Institute for Advanced Study, 1958
- 3 Pi ( $\pi$ ), n.d.

## **Series 6: Notes and Notebooks**

### Box 66 cont'd

- 4 Polaron- Institute for Advanced Study, n.d.
- 5 Potential Scattering- Rockefeller Institute, n.d.
- 6 Q quant, n.d.
- 7 Quantum Mechanics, n.d.

### Box 67

- 1 Recent Varia, n.d.
- 2 Relativiteits-Theorie, n.d.
- 3 R poles, n.d.
- 4 Seminars etc. n.d.
- 5 SSGLA, n.d.
- 6 Statistical Mechanics I, 1935-1936
- 7 Statistical Mechanics II, n.d.

### Box 68

- 1 Statistics Problems- Institute for Advanced Study, n.d.
- 2 Strong Interactions (Institute for Advanced Study), 1963
- 3 Structure of hadronic currents, n.d.
- 4 Structure problems I- Institute for Advanced Study, n.d.
- 5 Structure problems II- Institute for Advanced Study, 1953
- 6 Structure problems III- Institute for Advanced Study, n.d.
- 7 Structure problems IV- Institute for Advanced Study, 1954
- 8 Structure problems V- Institute for Advanced Study, 1954

### Box 69

- 1 Structure problems VI, 1955
- 2 SU(6), 1964
- 3 Symm. Pscalar Theory- Institute for Advanced Study, n.d.
- 4 Theorie tan Dirac, 1937-1938 [Fragile]
- 5 Thermodynamica, n.d.
- 6 Varia, n.d.

### Box 70

- 1 Varia, 1967
- 2 Varia, n.d.

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- 3 Vector Meson Theory, n.d.
- 4 Weak Interactions- Institute for Advanced Study, n.d.
- 5 Weak Interactions II, n.d.
- 6 I, n.d.
- 7 II, 1960

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- 1 8 eqn- n.d.
- 2 [Untitled Notebook, 1936]
- 3 [Untitled Notebook, 1936-1937]
- 4 [Untitled Notebook, 1936-1937]
- 5 [Untitled Notebook, 1938-1939]
- 6 [Untitled Notebook, 1944]
- 7 [Untitled Notebook, 1956-1957]
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- 9 [Untitled Notebook, 1962]
- 10 [Untitled Notes, 1962-1970]
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- 1 [Untitled Notes, 1963-1970]
- 2 [Untitled Notebook, 1964-1970]
- 3 [Untitled Notes, 1972]
- 4 [Untitled Notes 1- n.d.]
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- 6 [Untitled Notes 3- n.d.]

Box 73

- 1 [Untitled Notebook 4 – n.d.]
- 2 [Untitled Notebook 5- n.d.]
- 3 [Untitled Notebook 6 –n.d.]
- 4 [Untitled Notebook 7 – n.d.]
- 5 [Untitled Notebook 8 –n.d.]
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- 1 [Untitled Notebook 13 – n.d.]
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- 9 [Untitled Notes 21 – n.d.]
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- 13 [Untitled Notes 25 – n.d.]

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- 1 [Untitled Notebook 26 – n.d.]
- 2 [Untitled Notebook 27 – n.d.]

**Series 7: Photos**

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- 3 Autobiography material, 1937-1960
- 4 Autobiography-originals, c. 1928-1997
- 5 Autobiography Pictures, c. 1928-1988
- 6 [Child holding a ball – n.d.]
- 7 [Children playing on steps – n.d.]
- 8 Family pictures, 1953-1956 & undated
- 9 Dr. Pais, n.d.
- 10 Dubna, 1965
- 11 Einstein book pictures, 1930 and undated
- 12 Pictures, 1940, 1948, and undated

**Series 7: Photos**

Box 75A

- 1 Cloth Star of David- J.Pais

Box 75B

- 1 Metal Menorah Tie Tack

Box 76

- 1 Family Pictures, n.d.
- 2 Family Photos, 1962 and undated
- 3 Fermilab National Accelerator Laboratory, n.d.
- 4 [Framed Photo of Cabin], n.d.
- 5 [Framed Photo of Pais], n.d.
- 6 The Genius of Science- Photos, 1920-1997
- 7 Holland, 1956
- 8 International Congress on Theoretical Physics- University of Washington, September 1956
- 9 Jamaica, n.d.
- 10 Japanese Artifacts, 1957
- 11 [Loose Photos], 1946-1958
- 12 Michigan- Rochester Collaboration 405GeV Proton-Proton Interaction in the 30-inch Hydrogen Bubble Chamber at National Accelerator Laboratory, May 1973
- 13 [Pais Portrait], n.d.
- 14 Paul Dirac- Photographs, Royal Society Talk, 1995
- 15 Personal- Josh at Beach, n.d.
- 16 Photographs, 1981 and undated
- 17 Photographs, Personal, n.d.
- 18 Photos from Trip to Soviet Union, n.d.
- 19 Pictures, 1941-1994
- 20 Pictures, 1997 and undated
- 21 Pictures and related papers, 1920-1943 and 1982

Box 77

- 1 Pictures & WWII Documents, 1935-1968 and undated
- 2 Pictures taken by Abraham Pais, n.d.
- 3 Pictures taken by Abraham Pais in Russian and in (?), n.d.
- 4 Pictures- 7<sup>th</sup> Annual Conference on High Energy Nuclear Physics, 1957
- 5 [Unidentified Portrait], n.d.

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- 6 World War II, 1940's and 1994
- 7 Einstein and Maja- Picture Negative Slide, 1930
- 8 [Loose Photos]- negatives, 1946-1958
- 9 Negatives for "Mesprofers d'avenir- Fig. 1", 1981
- 10 Photo-Aorau, n.d.
- 11 Photographs, Personal- 1982 (negatives)
- 12 [Unidentified portrait]-negative, n.d.

Box 77A

- 1 Cloth Star of David

Box 78

- 1 Photo Album, 1932-1936

Box 79

- 1 Photo Album (Trip to France and Spain), 1952

Box 80

- 1 Pais Oversized Photos, n.d.

Box 81

- 1 Soviet Union Trip Photos-oversized, n.d.

Box 82

- 1 12<sup>th</sup> Solvay Conference (framed photo)- October 1961

Box 83

- 1 Commemoration Meeting for Niels Bohr, Copenhagen, July 1963 (framed photo)

Box 84

- 1 Pictures (including family)-negatives, n.d.

**Series 7: Photos**

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- 2 Photos taken Spring 2001 (negatives gallery) [folder 1 of 2]
- 3 Photos taken Spring 2001 (negatives gallery) [folder 2 of 2]
- 4 [Untitled negatives and galleries] #1-10
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- 10 [Unlabeled negatives] C-1, C-2, C-3 16140
- 11 [Untitled negatives] C-1 18973
- 12 [Untitled negatives] C-2 R24228
- 13 [Untitled negatives and galleries] [folder 1 of 5]
- 14 [Untitled negatives and galleries] [folder 2 of 5]
- 15 [Untitled negatives and galleries] [folder 3 of 5]
- 16 [Untitled negatives and galleries] [folder 4 of 5]
- 17 [Untitled negatives and galleries] [folder 5 of 5]
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- 19 [Untitled and unmatched galleries]

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- 1 South of France, 1957 [Box 1 of 4]
- 2 South of France, 1957 [Box 2 of 4]
- 3 South of France, 1957 [Box 3 of 4]
- 4 South of France, 1957 [Box 4 of 4]
- 5 Paul Dirac
- 6 Inward Bound
- 7 A. Einstein and sister, Maja
- 8 Gucstrand
- 9 Einstein Slides
- 10 Box 1 of 3
- 11 Box 2 of 3
- 12 Box 3 of 3
- 13 Unidentified

Box 86- Glass Slides

- 1 63-3267 A- Dr. Pais
- 2 63-3267 B- Dr. Pais

**Series 7: Photos**

Box 86 cont'd

- 3 63-3267 C- Dr. Pais
- 4 63-3267 D- Dr. Pais
- 5 63-3267 E- Dr. Pais
- 6 65-3909 – Dr. Pais #1
- 7 65-3909 - Dr. Pais #2
- 8 65-3947 – Dr. Pais #3
- 9 65-3909 – Dr. Pais #4
- 10 65-3909 – Dr. Pais #5
- 11 65-3909 – Dr. Pais #6
- 12 65-3909 – Dr. Pais #7
- 13 A. Pais #1
- 14 A. Pais #2
- 15 A. Pais # 3
- 16 A. Pais # 4
- 17 A. Pais #5
- 18 A. Pais #6
- 19 A. Pais #7
- 20 A. Pais #8
- 21 A. Pais #9
- 22 A. Pais #10
- 23 HEP-Ke<sub>4</sub>– 68-261 Dr. Pais
- 24 HEP-Ke<sub>4</sub>– 68-261 Dr. Pais
- 25 HEP-Ke<sub>4</sub>– 68-261 Dr. Pais
- 26 HEP-Ke<sub>4</sub>– 68-261 Dr. Pais
- 27 HEP-Ke<sub>4</sub>– 68-261 Dr. Pais
- 28 Mub 963- March 1962
- 29 Pi Meson- Table IV
- 30 The Rockefeller University #1
- 31 The Rockefeller University #2
- 32 The Rockefeller University #3
- 33 The Rockefeller University #4
- 34 States & Classes of N $\pi$ -Clouds #1
- 35 States & Classes of N $\pi$ -Clouds #2
- 36 States & Classes of N $\pi$ -Clouds #3
- 37 States & Classes of N $\pi$ -Clouds #4
- 38 States & Classes of N $\pi$ -Clouds #5
- 39 Table 1 – States & Classes of N $\pi$ -Clouds #1
- 40 Table 1 – States & Classes of N $\pi$ -Clouds #2
- 41 Table 1 – States & Classes of N $\pi$ -Clouds #3

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- 42 Table 1 – States & Classes of  $N\pi$ -Clouds #4
- 43 Table 1 – States & Classes of  $N\pi$ -Clouds #5

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- 1 Angular Correlations in  $K^0$  –Decay Processes, 1957
- 2 Approximate Unitary Symmetry and the Parity Question, 1964
- 3 [The] Behavior of Neutral Particles under Charge Conjunction, 1955
- 4 Calculability and naturalness in gauge theories-135, 1974
- 5 Chapter 2: Introducing Atoms and Their Nuclei – n.d.
- 6 Charge Independence and Multiple Pion Production, 1952
- 7 Charmed-Meson lifetime ratios and production in  $e^+e^-$  collisions- 149, 1977
- 8 Classical Example of Essentially Singular Coupling, 1964
- 9 A Class of Gauge Theories with Superweak CP Violation-130, 1973
- 10 Colliding Electron Versus Colliding Photon Beams- Comments on Nuclear and Particle Physics-119, 1972
- 11 Comment on Nonleptonic Decays of Charmed Hadrons-139, 1975
- 12 Comments on Hadronic Helicity Conservation in Inelastic Lepton-Nuclear Reactions-120, 1971
- 13 Comments on the production and decay of charged heavy leptons-147, 1976
- 14 Correlations between Cusps in Differential Cross Sections and in Polarizations, 1961
- 15 CP Violation in charmed-particle decays-142, 1975
- 16 CP Violations and Electric Dipole Moments in Gauge Theories of Weak Interactions-132, 1973
- 17 CP Violation as a quantum effect-137, 1974
- 18 De Broglie, Einstein, and the birth of the matter wave concept, n.d.
- 19 De Huidige Stand van Het Pariteitsprobleem en van Het Tijdsomkeerprobleem, 1957
- 20 Developments in the Theory of the Electron-14, 1948
- 21 The Discovery of the Electron- *Beam Line* ( Stanford Linear Accelerator Center), 1997
- 22 Dynamical asymmetry in octet space- Nobel Symposium 8: Elementary Particle Theory: Relativistic Groups and Analyticity-108, n.d.
- 23 Dynamical symmetry in Particle Physics-97, 1966
- 24 The Early History of the Theory of the Electron: 1897-1947, 1972
- 25 Einstein and the Press- *Physics Today*, 1994
- 26 Einstein, Newton, and Success- Einstein, A centenary volume-154, 1979
- 27 Electromagnetic Effects on Decays of G Eigenstates, 1962

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- 28 Electromagnetic Mass, n.d.
- 29 Electron-146, 1981
- 30 Energy Bounds for Charm and for Heavy Lepton Production in  $e^+e^-$  Annihilation-148, 1976
- 31 The Energy Momentum Tensio in Projective Relativity Theory, 1941
- 32 Fachbericht über schwache Wechselwirkungen-88, n.d.
- 33 A Field Theory of Weak Interactions. I. -70, 1963
- 34 A Field Theory of Weak Interactions. II.- 75, 1964
- 35 Fluctuations of the charged pion number in  $e^+e^-$  annihilation- 138, 1974
- 36 4. Complex octorions, n.d.
- 37 Gauge Theories and “Elastic” Weak Neutral Currents-133, 1974
- 38 Gauge Theories: How Does It Stand?-145, 1975
- 39 A General Transformation of the Symmetrical Pseudoscalar Theory, 1959
- 40 Generalization of the Glashow-Iliopoulos-Maiani mechanism: Horizontal and vertical flavor mixing-155, 1979

### Box 88

- 1 George E. Uhlenbeck (December 6, 1900- October 31, 1988), 1989
- 2 Glimpses of Oskar Klein as Scientist and Thinker, 1994
- 3 Hadronic Helicity Conservation and Inelastic Lepton –Nucleon Reactions-118, 1971
- 4 Het Institute for Advanced Study, n.d.
- 5 Higher Symmetries (Erice)-96, 1966
- 6 How can we verify the weak selection rules of the new particles?-150, 1977
- 7 How Einstein Got the Nobel Prize- *American Scientist*- 161, 1982
- 8 How Many Charm Quantum Numbers are There?- 144, 1975
- 9 The Impact of Einstein’s Relativity Theory, 1988
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