

Emilio Segrè

AKA Emilio Gino Segrè

Born: 1-Feb-1905

Birthplace: Tivoli, Italy

Died: 22-Apr-1989

Location of death: Lafayette, CA

Cause of death: Heart Failure

Gender: Male

Religion: Jewish

Race or Ethnicity: White

Sexual orientation: Straight

Occupation: Physicist

Nationality: United States

Executive summary: Co-Discoverer of the antiproton

Military service: Italian Army (1928–29)

Father: Giuseppe Segrè (industrialist)

Mother: Amelia Treves

Wife: Elfriede Spiro (one son, two daughters)

Son: Claudio

Daughter: Amelia

Daughter: Fausta

University: PhD, University of Rome (1922–28)

Professor: University of Rome (1932–36)

Professor: University of Palermo (1936–)

Professor: University of California at Berkeley (1946–72)

Professor: Nuclear Physics, University of Rome (1974–)

Manhattan Project 1943–46

Nobel Prize for Physics 1959 (with Owen Chamberlain)

Fulbright 1951

Guggenheim Fellowship 1953

National Academy of Sciences

American Physical Society



Accademia dei Lincei
Naturalized US Citizen 1944

Author of books:

Experimental Nuclear Physics (1953)

Nuclei and Particles (1964)

Enrico Fermi: Physicist (1970, biography)

From X-rays to Quarks: Modern Physicists and Their Discoveries (1980)

From Falling Bodies to Radio Waves (1984)

SELECTED BIBLIOGRAPHY

1930

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1931

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1933

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1934

With E. Amaldi, O. D' Agostino, E. Fermi, and F. Rasetti. Artificial radioactivity produced by neutron bombardment. *Proc. Roy. Soc. Lond. A* 146:483-500.

With E. Amaldi, E. Fermi, B. Pontecorvo, and F. Rasetti. Azione di sostanze idrogenate sulla radioattività provocata da neutron. *Ric. Sci.* 5:282.

1935

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Rasetti. Artificial radioactivity produced by neutron bombardment

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With E. Amaldi. Einige spektroskopische Eigenschaften hochangeregter

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Nijhoff.

1937

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1939

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1940

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radioactive isotopes of element 85. Phys. Rev. 57:459;
58:672-78.

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57:552.

1945

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1947

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1948

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1949

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on the decay constant of Be7. Phys. Rev. 75:39-43. Erratum 81(1951):284.

1950

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1951

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scattering from 120 to 345 MeV. Phys. Rev. 83:923-32.

1952

Spontaneous fission. Phys. Rev. 86:21-28.

1954

With O. Chamberlain, R. Tripp, C. Wiegand, and T. Ypsilantis. Experiments

with high-energy polarized protons. Phys. Rev. 93:1430-31.

1956

With E. Amaldi, G. Baroni, C. Castagnoli, O. Chamberlain, W. W. Chupp, C. Franzinetti, G. Goldhaber, A. Manfredini, and C. Wiegand. Antiproton star observed in emulsion. Phys. Rev.

101:909–10.

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1964

Nuclei and Particles. New York: W. A. Benjamin (2nd ed., 1977).

1980

From X-Rays to Quarks: Modern Physicists and Their Discoveries. San Francisco: W. H. Freeman.

1984

From Falling Bodies to Radio Waves: Classical Physicists and Their Discoveries. San Francisco: W. H. Freeman.