



Prof. Franco Rasetti

Professor of Physics, Johns Hopkins University,
Baltimore, MD, USA



Most important awards, prizes and academies

Honorary Doctor, Laval University, Quebec (Canada); Honorary Doctor of Law, University of Glasgow; Honorary Research Associate in Paleobiology, Smithsonian Institution (Washington); Socio Nazionale dell'Accademia Nazionale dei Lincei (since 1937); Socio dell'Accademia Nazionale delle Scienze, detta dei XL (since 1937); Medaglia Matteucci dell'Accademia Nazionale delle Scienze (1931); Premio Righi dell'Accademia delle Scienze di Bologna (1932); Premio Mussolini della Reale Accademia d'Italia (1938); Medaglia d'Oro dell'Associazione Laureati Ateneo Pisano (1972); Charles D. Walcott Medal and Award, National Academy of Sciences, Washington (1952); Medaglia dell'Accademia Nazionale delle Scienze (1984); Cavaliere di Gran Croce (1995).

Summary of scientific research

Professional Career: Doctor's Degree in Physics, University of Pisa (1921); Assistant in the Physics Department, University of Florence (1921-25); Assistant in the Physics Department, University of Rome (1926-1930); Tenured Professor of Physics, University of Rome (1931-1939); Professor of Physics and Chairman of Physics Department at Laval University, Quebec, Canada

(1939-1945); Full Professor of Physics, Johns Hopkins University, Baltimore, Maryland, USA (1946-1966). Summer Lecturer in Physics at Cornell University, Ithaca, N.Y. (1936); Washington University St. Louis, Missouri (1946); University of Washington, Seattle (1955); Instituto Venezolano de Investigaciones Científicas, Caracas (1957), University of Miami, Florida, (1958; 1961).

Main publications

A) Physics: Rasetti F., *Il nucleo Atomico*. Zanichelli, Bologna; Rasetti F., *Elements of Nuclear Physics*. Prentice-Hall, New York, 1936; Rasetti F., *Rameneffekt und Struktur der Moleküln und Kristalle*. «Leipziger Vorträge», pp. 59-69, 1931. Summarizes essentials of numerous papers reporting work performed at California Institute of Technology in 1928-29 and in Rome in 1930-31; Rasetti F., *Artificial Radioactivity Produced by Neutron Bombardment* (with E. Fermi, E. Amaldi, O. d'Agostino and E. Segré). «Proc. Royal Soc.», 1934; Rasetti F., *Artificial Radioactivity Produced by Neutron Bombardment II* (with E. Fermi, E. Amaldi, O. d'Agostino, B. Pontecorvo and E. Segré). «Proc. Royal Soc.», 1935; Rasetti F., *Disintegration of slow Mesotrons*. «Phys. Rev.», LX (1941); B) Geology and Paleontology: Rasetti F., *Middle Cambrian Stratigraphy and Faunas of the Canadian Rocky Mountains*. Smithsonian Miscell. Collections CXVI (1951), 227 pp., 34 pls; Rasetti F., *New Trilobite Faunule from the Taconic Sequence of New York*. Smithsonian Miscell. Collections 148/9, 52 pp., 12 pls; Rasetti F., *Lower and Middle Cambrian Trilobite Faunas from the Taconic Sequence of New York*. Smithsonian Miscell. Collections 152/4, 111 pp., 14 pls; Rasetti F., *Cambrian Trilobite Faunas of Sardinia*. «Mem. Accad. Naz. Lincei, Mem. Sci. Fis. Mat. Natur.», Ser. VII, vol. XI, 100 pp., 19 pls. (1972); C) Botany: Rasetti F., *I Fiori delle Alpi*. Accad. Naz. Lincei, 316 pp., 143 colour pls., 1980.