

ATOMS IN THE FAMILY



My Life With Enrico Fermi
by Laura Fermi

Atoms In The Family My Life With Enrico Fermi

Emilie Sanchez



Atoms In The Family My Life With Enrico Fermi:

Atoms in the Family Laura Fermi, 1954 Mrs Fermi tells of her life with her famous husband who produced the first chain reaction that led to the atom bomb and was winner of the Nobel Prize and the Congressional Medal for Merit

Atoms in the Family Laura Fermi, 1987 Atoms in the Family Laura Fermi, 1967 **Atoms in the Family** Laura Fermi, 1965 **Atoms in the Family** Laura Fermi, 1955 **Atoms in the Family** Laura Fermi, 2014-01-01 In this absorbing account of life with the great atomic scientist Enrico Fermi Laura Fermi tells the story of their emigration to the United States in the 1930s part of the widespread movement of scientists from Europe to the New World that was so important to the development of the first atomic bomb Combining intellectual biography and social history Laura Fermi traces her husband's career from his childhood when he taught himself physics through his rise in the Italian university system concurrent with the rise of fascism to his receipt of the Nobel Prize which offered a perfect opportunity to flee the country without arousing official suspicion and his odyssey to the United States *Atoms in the Family. My Life with Enrico Fermi. Atomi in Famiglia, Etc. (II Edizione.) With Plates, Including Portraits.* Laura Fermi, Enrico Fermi, 1955 *Worlds Within Worlds* Isaac Asimov, 1980 For the first time in history humans are learning to produce and control nuclear energy the energy that in the form of sunlight has served humankind for its entire existence With fossil fuel supplies dwindling concerned citizens no matter how scant their scientific knowledge must understand this enormous force Book jacket *A Random Walk in Physics* Massimo Cencini, Andrea Puglisi, Davide Vergni, Angelo Vulpiani, 2021-06-15 This book offers an informal easy to understand account of topics in modern physics and mathematics The focus is in particular on statistical mechanics soft matter probability chaos complexity and models as well as their interplay The book features 28 key entries and it is carefully structured so as to allow readers to pursue different paths that reflect their interests and priorities thereby avoiding an excessively systematic presentation that might stifle interest While the majority of the entries concern specific topics and arguments some relate to important protagonists of science highlighting and explaining their contributions Advanced mathematics is avoided and formulas are introduced in only a few cases The book is a user friendly tool that nevertheless avoids scientific compromise It is of interest to all who seek a better grasp of the world that surrounds us and of the ideas that have changed our perceptions **Understanding the Atom** U.S. Atomic Energy Commission, 1963

Reading Resources in Atomic Energy U.S. Atomic Energy Commission, 1968 Hiroshima Andrew J. Rotter, 2008-02-28 The US decision to drop an atomic bomb on the Japanese city of Hiroshima on 6 August 1945 remains one of the most controversial events of the twentieth century However the controversy over the rights and wrongs of dropping the bomb has tended to obscure a number of fundamental and sobering truths about the development of this fearsome weapon The principle of killing thousands of enemy civilians from the air was already well established by 1945 and had been practised on numerous occasions by both sides during the Second World War Moreover the bomb dropped on Hiroshima was conceived

and built by an international community of scientists not just by the Americans Other nations including Japan and Germany were also developing atomic bombs in the first half of the 1940s albeit haphazardly Indeed it is difficult to imagine any combatant nation foregoing the use of the bomb during the war had it been able to obtain one The international team of scientists organized by the Americans just got there first As this fascinating new history shows the bomb dropped by a US pilot that hot August morning in 1945 was in many ways the world's offspring in both a technological and a moral sense And it was the world that would have to face its consequences strategically diplomatically and culturally in the years ahead

Radiation and Radioactivity on Earth and Beyond Ivan G. Draganic, Jean-Pierre Adloff, 2020-08-26 This book features information regarding the Chernobyl nuclear accident the production of elementary particles radiation exposure the geopolitical effects of the end of the nuclear arms race between the U S and the former Soviet Union and the future of nuclear power

Atom between Science and Politics Ozias Marcovici, 2019-06-19 The letter to President Roosevelt signed by Albert Einstein is the first document in the long and fascinating history of nuclear weapons in which science calls for the help of politicians and the military to achieve the grand American atomic project Shaken by the frightening effect of the bombs dropped on Hiroshima and Nagasaki Robert Oppenheimer the father of the atomic bomb resigned from the Los Alamos Laboratory only two months later He was among the first to realize that the nuclear toy he had been working on day and night had fallen into the hands of politicians and soldiers for good This is a great book about the geniuses and the efforts to make the first Atom Bomb With a lot of genuine illustrations from many books dealing with this era Saga Publishing 2019

It Happened in Chicago Scotti Cohn, 2009-08-04 Thirty six episodes from the Windy City's history including legendary events such as the great fire and the St Valentine's Day Massacre as well as lesser known tales

Reminiscences of Los Alamos 1943-1945 Lawrence Badash, J.O. Hirschfelder, H.P. Broida, 2012-12-06 Although the World War II efforts to develop nuclear weapons have inspired a very large literature it struck us as noteworthy that virtually nothing existed in the form of firsthand accounts Now It Can Be Told by General Leslie Groves the Manhattan Project's military commander is probably the most prominent exception but the scientists themselves seem to have shown little interest in publishing their reminiscences Believing that it would be not only worthwhile for posterity but extremely interesting for the present generation to hear about the aspirations fears and activities of those who participated in this watershed of science and government collaboration we arranged the public lecture series represented by this book We chose to focus upon Los Alamos since the project's efforts culminated there The isolated laboratory in New Mexico was created to design and construct the first atomic bombs More scientific brainpower was accumulated there than at any time since Isaac Newton dined alone and the interactions with this community are of sociological interest as the results of their work are of political import

The Martians of Science István Hargittai, 2008 Hargittai tells the story of five remarkable Hungarians Wigner won a Nobel Prize in theoretical physics Szilard was the first to see that a chain reaction based on neutrons was possible initiated the Manhattan Project but left

physics to try to restrict nuclear arms von Neumann could solve difficult problems in his head and developed the modern computer for more complex problems von Kármán became the first director of NASA's Jet Propulsion Laboratory providing the scientific basis for the U.S. Air Force and Teller was the father of the hydrogen bomb whose name is now synonymous with the controversial Star Wars initiative of the 1980s

Heavy Water and the Wartime Race for Nuclear Energy Per F. Dahl, 2023-05-31 Heavy water (deuterium oxide) played a sinister role in the race for nuclear energy during the World War II. It was a key factor in Germany's bid to harness atomic energy primarily as a source of electric power; its acute shortage was a factor in Japan's decision not to pursue seriously nuclear weaponry; its very existence was a nagging thorn in the side of the Allied powers. Books and films have dwelt on the Allies' efforts to deny the Germans heavy water by military means; however, a history of heavy water has yet to be written. Filling this gap, *Heavy Water and the Wartime Race for Nuclear Energy* concentrates on the circumstances whereby Norway became the preeminent producer of heavy water and on the scientific role the rare isotope of hydrogen played in the wartime efforts by the Axis and Allied powers alike. Instead of a purely technical treatise on heavy water, the book describes the social history of the subject. The book covers the discovery and early uses of deuterium before World War II and its large-scale production by Norsk Hydro in Norway, especially under German control. It also discusses the French-German race for the Norwegian heavy water stocks in 1940 and heavy water's importance for the subsequent German uranium project, including the Allied sabotage and bombing of the Norwegian plants, as well as its lesser role in Allied projects, especially in the United States and Canada. The book concludes with an overall assessment of the importance and the perceived importance of heavy water for the German program, which alone staked everything on heavy water in its quest for a nuclear chain reaction.

The Devil Reached Toward the Sky Garrett M. Graff, 2025-08-05 A sweeping and comprehensive oral history of the atomic bomb's creation and deployment, marking the 80th anniversary of Hiroshima and Nagasaki.

The Nuclear Spies Vince Houghton, 2019-09-15 Why did the U.S. intelligence services fail so spectacularly to know about the Soviet Union's nuclear capabilities following World War II? As Vince Houghton, historian and curator of the International Spy Museum in Washington, DC, shows us, that disastrous failure came just a few years after the Manhattan Project's intelligence team had penetrated the Third Reich and knew every detail of the Nazi's plan for an atomic bomb. What changed, and what went wrong? Houghton's delightful retelling of this fascinating case of American spy ineffectiveness in the then new field of scientific intelligence provides us with a new look at the early years of the Cold War. During that time, scientific intelligence quickly grew to become a significant portion of the CIA budget as it struggled to contend with the incredible advance in weapons and other scientific discoveries immediately after World War II. As *The Nuclear Spies* shows, the abilities of the Soviet Union's scientists, its research facilities and laboratories, and its educational system became a key consideration for the CIA in assessing the threat level of its most potent foe. Sadly, for the CIA, scientific intelligence was extremely difficult to do well. For when the Soviet Union detonated its first atomic bomb in

1949 no one in the American intelligence services saw it coming

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