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The Collected Works of Eugene Paul Wigner 1993-12-08 eugene wigner is one of the few giants of 20th century physics the present annotated volume begins with a short biographical sketch followed by wigner s papers on group theory an extremely powerful tool he created for theoretical quantum physics

<u>Symmetries and Reflections</u> 1979 not only was e p wigner one of the most active creators of 20th century physics he was also always interested in expressing his opinion in philosophical political or sociological matters this volume of his collected works covers a wide selection of his essays about science and society about himself and his colleagues annotated by j mehra this volume will become an important source of reference for historians of science and it will be pleasant reading for every physicist interested in forming ideas in modern physics

The Recollections of Eugene P. Wigner 1992 eugene wigner is one of the few giants of 20th century physics the present annotated volume begins with a short biographical sketch followed by wigner s papers on group theory an extremely powerful tool he created for theoretical quantum physics

The Collected Works of Eugene Paul Wigner 2001-09-11 our volume in the annual review series on this occasion represents a departure from our usual practice in that it serves as a festschrift for eugene wigner dr wigner has won many honours in his long wide ranging and distinguished career spanning so many upheavals in civilized life the editors and the authors indeed the whole nuclear engineering community will wish to join in a modest but further acknowledgement of the contributions he has made to nuclear engineering not least to the morality and professionalism of nuclear engineering in a year that has raised such international concerns over safety it suffices to make a bald statement of eugene wigner s life and times here for the first article of the volume is a loving appreciation by his long time colleague alvin weinberg an evaluation of his contribution historically during and after the second world war but equally an account of the philosophy which wigner provided to the burgeoning profession eugene wigner was born 17th november 1902 in budapest hungary and his early schooling is described by dr weinberg

The Collected Works of Eugene Paul Wigner 2013-11-11 eugene wigner was undoubtedly one of the pioneers of nuclear physics he covered the whole range from nuclear engineering volume 5 of his collected works right down to basic theoretical work this volume collects his articles devoted to the latter it has been edited by arthur wightman and herman feshbach who also wrote the annotation to wigner s milestone accomplishments in this field of modern physics

Eugene P. Wigner, an Architect of the Atomic Age 1981 one of the greatest physicists of the 20th century recounts his journey from hungary and the nazi invasion to the creation of the first atomic bomb

Advances in Nuclear Science and Technology 2012-12-06 among the founding fathers of modern quantum physics few have contributed to our basic understanding of its concepts as much as e p wigner his articles on the epistemology of quantum mechanics and the measurement problem and the basic role of symmetries were of fundamental importance for all subsequent work he was also the first to discuss the concept of consciousness from the point of view of modern physics g g emch edited most of those papers and wrote a very helpful introduction into wigner s contributions to natural philosophy the book should be a gem for all those interested in the history and philosophy of science

Nuclear Physics 1996 group theory and its application to the quantum mechanics of atomic spectra describes the applications of group theoretical methods to problems of quantum mechanics with particular reference to atomic spectra the manuscript first takes a look at vectors and matrices generalizations and principal axis transformation topics include principal axis transformation for unitary and hermitian matrices unitary matrices and the scalar product linear independence of vectors and real orthogonal and symmetric matrices the publication also ponders on the elements of quantum mechanics perturbation theory and transformation theory and invariant subgroups including theorems of finite groups factor group and isomorphism and homomorphism the text also reviews the algebra of representation theory rotation groups three dimensional pure rotation group and characteristics of atomic spectra discussions focus on eigenvalues and quantum numbers spherical harmonics and representations of the unitary group the manuscript is a valuable reference for readers interested in the applications of group theoretical methods

The Collected Works of Eugene Paul Wigner: Historical and biographical reflections and syntheses 1992 eugene wigner was undoubtedly one of the pioneers of nuclear physics he covered the whole range from nuclear engineering volume 5 of his collected works right down to basic theoretical work this volume collects his articles devoted to the latter it has been edited by arthur wightman and herman feshbach who also wrote the annotation to wigner s milestone accomplishments in this field of modern physics The Recollections Of Eugene P. Wigner 2003-07-03 the coverage in this series ranges from the experimental to the theoretical providing something for all readers committed to the safe and useful development of nuclear power and its associated technologies Philosophical Reflections and Syntheses 2012-12-06 the first part of this third volume of wigner s collected works is devoted to his analysis of symmetries in quantum mechanics of the relativistic wave equations of relativistic particle theory and of field theory it is introduced by the masterly annotation of arthur s wightman abner shimony annotates the second part where the reader will find wigner s contributions to the foundations of quantum physics and to the problems of measurement

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<u>Nuclear Physics</u> 1996 eugene wigner is one of the very few scientists that may safely be describedas creators of 20th century physics this volume of his collected works is devoted to his contributions to nuclear energy in his introduction and annotations a m weinberg surveys wigner s contributions to nuclear reaction physics and nuclear engineering at the same time giving a glimpse of the early history of nuclear reactor technology wigner himself gave a lively and critical account which is published in this volume for the first time furthermore the book contains forty two reports and memoranda from 1941 to 1945 and twelve of wigner s many patents relating to nuclear energy

Advances in Nuclear Science and Technology 1987-06-01 our volume in the annual review series on this occasion represents a departure from our usual practice in that it serves as a festschrift for eugene wigner dr wigner has won many honours in his long wide ranging and distinguished career spanning so many upheavals in civilized life the editors and the authors indeed the whole nuclear engineering community will wish to join in a modest but further acknowledgement of the contributions he has made to nuclear engineering not least to the morality and professionalism of nuclear engineering in a year that has raised such international concerns over safety it suffices to make a bald statement of eugene wigner s life and times here for the first article of the volume is a loving appreciation by his long time colleague alvin weinberg an evaluation of his contribution historically during and after the second world war but equally an account of the philosophy which wigner provided to the burgeoning profession eugene wigner was born 17th november 1902 in budapest hungary and his early schooling is described by dr weinberg

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