

Science And Conscience The Life Of James Franck

[#James Franck](#) [#Science and Conscience](#) [#James Franck biography](#) [#Nuclear physics ethics](#) [#Nobel Prize winner](#)

Explore the profound interplay between scientific pursuit and moral responsibility in the life of Nobel laureate James Franck. This compelling narrative delves into his crucial contributions to physics while illuminating his unwavering ethical stance during pivotal historical moments, making it a powerful study of integrity in science.

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Science And Conscience The Life Of James Franck

John Wheeler - Colleagues in Copenhagen: Otto Frisch and James Franck (33/130) - John Wheeler - Colleagues in Copenhagen: Otto Frisch and James Franck (33/130) by Web of Stories - Life Stories of Remarkable People 1,964 views 6 years ago 1 minute, 25 seconds - American physicist, John Wheeler (1911-2008), made seminal contributions to the theories of quantum gravity and nuclear fission, ...

Michael Levin: Dept. of Physics, James Franck Institute, University of Chicago (Dec 9, 2020) -

Michael Levin: Dept. of Physics, James Franck Institute, University of Chicago (Dec 9, 2020) by CCNY Physics 944 views 3 years ago 1 hour, 24 minutes - Title: A new world of topology in driven quantum systems Abstract: The first example of a so-called ``topological" phase of matter ...

Michael Levin

Equilibrium Topological Phases of Matter

Topological Phases of Matter

Non-Interacting Phases

Spin Liquids

Periodically Driven Systems

Solid State Systems

Time Periodic Hamiltonian

Sub Lattice Structure

Eigenvalues in Eigenstates

Linear Dispersion

Topological Invariant

The Problem of Heating

Infinite Temperature State

Non-Trivial Phases

The Bulk Edge Correspondence

What Is an Anomalous Unitary

Locality Preserving Unitary

Finite Depth Local Unitary

U1 Symmetry

Initial Mixed State

Time Average Current

Why Is the Flowcase System Different in the Single Particle Case

What Is the Meaning of Quantum Information

Interviewing James Franck - Interviewing James Franck by Simon Bashour 22 views 4 years ago 6 minutes, 21 seconds

Introduction

How did you get nominated for a Nobel Prize

What was your research about

When did you get dysentery

Gustav Hertz

Bohrs Theory

James Franck, 1925 Nobel Laureate in Physics (A Meditation) - James Franck, 1925 Nobel Laureate in Physics (A Meditation) by WeTheRemnantR 1,271 views 12 years ago 1 minute, 17 seconds -

Abortion's Handmaid: The Depersonalized World of Dianna Murphy ...

James Franck | Wikipedia audio article - James Franck | Wikipedia audio article by wikipedia tts 122 views 5 years ago 22 minutes - This is an audio version of the Wikipedia Article: **James Franck**, Listening is a more natural way of learning, when compared to ...

One Hour of Mind-Blowing Scientific Theories on Conscious Universe - One Hour of Mind-Blowing Scientific Theories on Conscious Universe by Big Scientific Questions 944,144 views 6 months ago 1 hour, 12 minutes - In this video, we're going to take a deep dive into some fascinating topics like Panpsychism, Integrated Information Theory, the ...

Introduction

Why Did Schrödinger Believe That There Was Only One Mind In The Universe?

Is The Universe Just A Giant Brain? (Panpsychism)

Is Every Galaxy A Neuron In A Vast Universal Brain? (Are We Living In Someone's Brain?)

Did Consciousness Become The Universe And Create Itself? (Double-Slit Experiment, Consciousness and Quantum Mechanics)

Can It Be Tested Whether The Universe Is Conscious? (Integrated Information Theory)

Is The Universe A Living Organism? (The Living Universe Hypothesis)

Is Earth Alive? (The Gaia Hypothesis)

Is The Universe Fine-Tuned For Life And Mind? (The Fine-Tuning Argument)

Are We The Universe Becoming Aware Of Itself? (Is Consciousness Ultimate Reality?)

Donald Hoffman's Theory on Consciousness - The Greatest Mystery in The Universe - Donald Hoffman's Theory on Consciousness - The Greatest Mystery in The Universe by Science Time

100,638 views 2 months ago 10 minutes, 10 seconds - Embark on a captivating journey with "Donald Hoffman's Theory on **Consciousness**, - The Greatest Mystery in The Universe.

Intro

Vision

Complexity

Perception

Hidden Truth

Fundamentalism

SpaceTime is doomed

The hard problem of Consciousness

Conclusion

Chaos Theory: The Science Behind the Miracle of Intelligent Life | Doc Of The Day - Chaos Theory: The Science Behind the Miracle of Intelligent Life | Doc Of The Day by Doc of the Day 890,167 views 10 months ago 59 minutes - Documentary in which Professor Jim Al-Khalili shows how chaos theory can answer a question that mankind has asked for ...

[CLASSIFIED] "Only a Few People On Earth Know About It" - [CLASSIFIED] "Only a Few People On Earth Know About It" by Be Inspired 10,078,477 views 3 years ago 10 minutes, 1 second - Help us caption & translate this video! <https://amara.org/v/C0rTK/>

FULL COLOR DREAM?

TEN YEARS LATER

REPROGRAM OURSELVES FOR SUCCESS

Joe Rogan - Mathematician on Trying to Measure Consciousness - Joe Rogan - Mathematician on Trying to Measure Consciousness by JRE Clips 2,978,934 views 5 years ago 22 minutes - Taken from Joe Rogan Experience #1216: <https://www.youtube.com/watch?v=GEw0ePZUMHA>.

The Superposition Principle in Quantum Mechanics

Girdle's Theorem

General Relativity

Quantum Mechanics

Measurement in Quantum Mechanics

The Emperor's New Mind

Convinced that Microtubules Are Responsible for Consciousness

Proof That Reality Is An ILLUSION: The Mystery Beyond Space-Time - Donald Hoffman | Know Thyself E63 - Proof That Reality Is An ILLUSION: The Mystery Beyond Space-Time - Donald Hoffman | Know Thyself E63 by André Duqum 607,935 views 6 months ago 2 hours, 2 minutes - In this thought-provoking episode, cognitive psychologist and author Donald Hoffman takes us on a journey through the mysteries ...

Intro

The Question of Consciousness & Evolution

Is What We See Real?

Implications of Proving Local Realism is False

Are Inanimate Objects Conscious?

What Makes Something Conscious?

We're looking at the problem wrong

How evolution hid the truth from us

Conscious Agents: what's outside of space time?

Are We in a Simulation?

Seeing the Oneness in All

Concepts of Karma and Reincarnation

Implications on how we act in the world

Self Compassion

Death & Facing the idea of impermanence

Does reincarnation exist?

Meditation & Spiritual Practices

The role that love plays in metaphysics

Free will & The illusion of choice

How Relationships Serve Purpose on the evolution of consciousness

AI & technology assisting the collective awakening

What it takes to prove this theory

This will change everything

Declassified CIA Document REVEALS YOU ARE GOD | The Gateway Process UNCOVERED -

Declassified CIA Document REVEALS YOU ARE GOD | The Gateway Process UNCOVERED by MorgueOfficial 712,177 views 1 year ago 22 minutes - A declassified CIA document from the 1980s has been uncovered, and it reveals a mind-bending truth: the world is an illusion ...

One Hour Of Mind-Blowing Mysteries Of The Atom | Full Documentary - One Hour Of Mind-Blowing Mysteries Of The Atom | Full Documentary by Big Scientific Questions 1,228,243 views 7 months ago 1 hour, 1 minute - Have you ever found yourself pondering the mysteries of the atom? In this documentary, we're diving into some of the most ...

Introduction

Where Do Electrons Get Energy To Spin Around An Atom's Nucleus?

How Did the First Atom Form?

Do Atoms Ever Actually Touch Each Other?

Are Two Atoms of The Same Element Identical?

Does an Atom Have a Color?

Why Don't Protons Repel Each Other Out Of The Nucleus?

How Big Is a Proton?

If Atoms Are Mostly Empty Space, How Can Things Be Solid?

Why Do Atoms Form Molecules?

Is a Neutron Star Just One Giant Atom?

What If The Universe is An Atom?

What Happens to Your Atoms After You Die?

Do Atoms Last Forever?

5 People Who Discovered We Are In A Simulation - 5 People Who Discovered We Are In A Simulation by Matthew Santoro 1,747,965 views 2 years ago 19 minutes - Join my channel to get access to exclusive perks: <https://www.youtube.com/channel/UCXhSCMRPyxSoyLSPFxK7VA/join> ...

Intro

Something is wrong with my girlfriend

My husband thinks we both died

The coughing fit

Diana

Gordon

Is consciousness an illusion? 5 experts explain - Is consciousness an illusion? 5 experts explain by Big Think 1,185,647 views 2 months ago 43 minutes - If **science**, aims to describe everything, how can it not describe the simple fact of our existence?" On this episode of Dispatches, ...

Ronaldo's Thoughts on Harry Kane> Ronaldo's Thoughts on Harry Kane by ULTRAS 2,267,771 views 3 months ago 58 seconds – play Short - Ronaldo speaks about Harry Kane's recent move to Bayern #shorts This content is created with original scripts that I write and I ...

The RAW TRUTH About Reincarnation & the Afterlife: The SHOCKING Process! | Grandmaster Wolf - The RAW TRUTH About Reincarnation & the Afterlife: The SHOCKING Process! | Grandmaster Wolf by Next Level Soul Podcast 433,730 views 10 months ago 1 hour, 18 minutes - -----

----- Grandmaster Wolf is, first

and foremost, ...

Episode Teaser

The concept of reincarnation

What happens to a perfect enlightened being when it comes out?

How do spiritual masters process life differently?

How does karma play into a new incarnation?

How do past lives affect that new soul coming in?

What happens after we pass?

How does hypnosis work?

Do we have a soulmate?

What is the purpose of reincarnation?

Where truth lives?

Can the soul live multiple lifetimes at the same time?

What is the Dalai Lama's Oracle?

Advice to young GM

GM's work

Final Message

Man Dies, Discovers Ultimate Truth About Our Soul's Purpose on Earth, Consciousness & Oneness - Man Dies, Discovers Ultimate Truth About Our Soul's Purpose on Earth, Consciousness & Oneness by Dorothy Shelton 3,866,049 views 11 months ago 21 minutes - Andy Petro drowned in a lake for 15 minutes two days before his high school graduation in 1955. As he jumped in the lake that ...

Franck-Hertz Experiment - Franck-Hertz Experiment by Laboratorio Física Cuántica Universitat de València 49,828 views 5 years ago 8 minutes, 18 seconds - This video studies the experiment carried out in 1914 by the German **scientists**, **James Franck**, and Gustav Hertz, which showed ...

Generating an Electron Beam

Ionization Energy

Regularity of the Current Drops

Fundamentals: Ten Keys to Reality | A Conversation with Nobel Laureate Frank Wilczek - Fundamentals: Ten Keys to Reality | A Conversation with Nobel Laureate Frank Wilczek by World Science Festival 726,572 views Streamed 3 years ago 2 hours, 3 minutes - BrianGreene #FrankWilczek Brian Greene and Nobel Laureate Frank Wilczek discuss quantum mechanics, dark matter, ...

Introduction

The Hierarchy Problem

Supersymmetry

Hubble Tension

Nobel Prize

Strong Nuclear Force

Einsteins M

Reaching out
A thin book
Orientation clarity
Juggling
Swimming
First words
Socialization
Graduate School
Physics Education
Quantum Mechanics
QCD

The minus sign

Tviolation

Calculating backgrounds

NOBEL PRIZE 1925 (PHYSICS) || JAMES FRANCK , GUSTAV HERTZ - NOBEL PRIZE 1925 (PHYSICS) || JAMES FRANCK , GUSTAV HERTZ by Spandan School Official 12 views 10 months ago 15 seconds - INFORMATION ABOUT NOBEL : RECIPIENT : **JAMES FRANCK**, (1882 - 1964) , GUSTAV HERTZ (1887 - 1975) WORKING ...

"Nothing You See is Real" | Donald Hoffman - "Nothing You See is Real" | Donald Hoffman by Be Inspired 687,116 views 2 years ago 8 minutes, 1 second

----- »Footage licensed through: Videoblocks ...

Franck Hertz Experiment 1961 - Franck Hertz Experiment 1961 by Henrik Bak Heyde 3,381 views 6 years ago 29 minutes - Professor Byron L Youtz uses a stream of electrons accelerated through mercury vapor to show that the kinetic energy of the ...

The Scientist Who Inspired Einstein - The Scientist Who Inspired Einstein by Newsthink 132,508 views 1 year ago 11 minutes, 24 seconds - Select images/video supplied by Getty Images and Alamy. Other sources: 2:25 Metropolitan Museum of Art, CC0, via Wikimedia ...

Is Reality Real? - This One Idea Might Change Your Entire Life | Donald Hoffman - Is Reality Real? - This One Idea Might Change Your Entire Life | Donald Hoffman by Tom Bilyeu 2,405,322 views 8 months ago 2 hours, 43 minutes - Let's dive into the mind-bending world of Donald Hoffman on this episode of Impact Theory where Hoffman, a cognitive scientist ...

S. James Gates Jr.: A Story in Science - S. James Gates Jr.: A Story in Science by Perimeter Institute for Theoretical Physics 4,810 views 9 years ago 1 minute, 41 seconds - Sylvester **James**, Gates Jr., a Perimeter Institute Distinguished Visiting Research Chair, Professor at the University of Maryland, ...

Hiding a Nobel Prize From the Nazis - Hiding a Nobel Prize From the Nazis by SciShow 157,734 views 3 years ago 5 minutes, 48 seconds - To keep their solid gold Nobel Prizes away from the Nazis, **James Franck**, and Max von Laue sent their medals to trusted ...

Max von Laue

James Franck

Niels Bohr

Asking a Theoretical Physicist About the Physics of Consciousness | Roger Penrose | EP 244 - Asking a Theoretical Physicist About the Physics of Consciousness | Roger Penrose | EP 244 by Jordan B Peterson 1,831,869 views 1 year ago 1 hour, 40 minutes - Dr. Peterson recently traveled to the UK for a series of lectures at Oxford and Cambridge. This conversation was recorded during ...

Intro

Is Consciousness Computational?

Turing Machines

Determinism & the Arrow of Time

Consciousness & Reductionism

Emergent Randomness & Evolution

The Tiling Problem, Computation, & AI

Escher, Brains, Bach

Pattern Recognition & Intuition

Mathematical Representations & the Physical World

Collapsing Schrodinger's Equation

Consciousness-Independent Reality

Black Holes & Time Horizons

Einstein's Biggest Mistake

Meaning & Consciousness

Hawking Spots: Potential

Fallout from the Bohr Model: The Franck Hertz Experiment and Characteristic X rays - Fallout from the Bohr Model: The Franck Hertz Experiment and Characteristic X rays by Tonya Coffey 5,767 views 6 years ago 21 minutes - The trials and tribulations of **James Franck**, Gustav Hertz, and Henry Moseley.

Intro

Repulsion

Summary

Characteristic Xrays

Photons

Multielectron Atoms

Henry Mosley

Niels Bohr

Mosleys data

Charge screening

Missing atomic numbers

Conclusion

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