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By Katherine Freese The Cosmic

"Katherine Freese has long been a major player in the quest to discover dark matter's identity. She tells her story with an insider's perspective—the perspective of the dark matter hunter." —Dan Hooper, author of *Dark Cosmos: In Search of Our Universe's Missing Mass and Energy*

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The Cosmic Cocktail: Three Parts Dark Matter (Science ...

Katherine Freese 3.59 · Rating details · 158 ratings · 28 reviews
The ordinary atoms that make up the known universe--from our bodies and the air we breathe to the planets and stars--constitute only 5 percent of all matter and energy in the cosmos. The rest is known as dark matter and dark energy, because their precise identities are unknown.

The Cosmic Cocktail: Three Parts Dark Matter by Katherine ...

Blending cutting-edge science with her own behind-the-scenes insights as a leading researcher in the field, acclaimed theoretical physicist Katherine Freese recounts the hunt for dark matter, from the discoveries of visionary scientists like Fritz Zwicky - the Swiss astronomer who coined the term "dark matter" in 1933 - to the deluge of data today from underground

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laboratories, satellites in space, and the Large Hadron Collider.

Amazon.com: The Cosmic Cocktail: Three Parts Dark Matter ...

Freese, a professor of physics at the University of Michigan, begins this exploration into the mystery of dark matter by relating her journey to become one of the field's early researchers. Years of collecting data and positing unknown cosmic entities led to the probable existence of this substance, and evidence slowly began to appear despite scientists' inability to quantify the "collisionless dark matter."

The Cosmic Cocktail: Three Parts Dark Matter by Katherine ...

Blending cutting-edge science with her own behind-the-scenes insights as a leading researcher in the field, acclaimed theoretical physicist Katherine Freese recounts the hunt for dark

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matter, from the discoveries of visionary scientists like Fritz Zwicky—the Swiss astronomer who coined the term “dark matter” in 1933—to the deluge of data today from underground laboratories, satellites in space, and the Large Hadron Collider.

The Cosmic Cocktail | Princeton University Press

Katherine Freese The ordinary atoms that make up the known universe--from our bodies and the air we breathe to the planets and stars--constitute only 5 percent of all matter and energy in the cosmos. The rest is known as dark matter and dark energy, because their precise identities are unknown.

The Cosmic Cocktail: Three Parts Dark Matter | Columbia

...

Freese is a theoretical astrophysicist, who splits her time between the University of Michigan and Stockholm University. She has dedicated her career to untangling some of physics'

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greatest mysteries — cooking up thrilling ideas about the cosmos, disproving others — while knocking down barriers for women in a famously male-dominated field.

Across the Universe with Astrophysicist Katherine Freese

...

She has been working to identify the dark matter and dark energy that permeate the universe as well as to build a successful model for the early universe immediately after the Big Bang. Dr. Freese has been awarded an Honorary Doctorate (honoris cause) from the University of Stockholm in September 2012. She is a Fellow of the American Physical Society.

Katherine Freese | Coast to Coast AM

Freese has written a review for the general educated public on dark matter and energy as they relate to recent research in cosmology and particle physics, titled The Cosmic Cocktail:

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Three Parts Dark Matter (Science Essentials, 2014, ISBN 0691153353). The book is partly autobiographical.

Katherine Freese - Wikipedia

The Cosmic Cocktail: Three Parts Dark Matter, by Katherine Freese, narrated By Tamara Marston. The story of the composition of the Universe. I start by mentioning that I am a little taken aback by the previous reviews. The prior review were at best, tepid?

The Cosmic Cocktail (Audiobook) by Katherine Freese ...

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Science Essentials: The Cosmic Cocktail (Hardcover ...

An Evening with Dr. Katherine Freese, author of The Cosmic Cocktail Posted by Ellen Piligian on Please join us November 25

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for a special evening with Dr. Katherine Freese. She'll discuss and sign copies of her new book, The Cosmic Cocktail: Three Parts Dark Matter (we will have some available for sale for \$22, the same price as on Amazon.com).

An Evening with Dr. Katherine Freese, author of the Cosmic ...

Dr. Freese has assumed a three year position as Director of Nordita, the Institute for Theoretical Physics of the Nordic countries in Stockholm. She is also the George E. Uhlenbeck Professor of Physics at the University of Michigan. She works on a wide range of topics in theoretical cosmology and astroparticle physics.

Katherine Freese - Asteroid Day

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The Cosmic Cocktail (Paperback) - Walmart.com

Katherine Freese is the George E. Uhlenbeck Professor of Physics at the University of Michigan and Visiting Professor of Physics at Stockholm University. She works on a wide range of topics in theoretical cosmology and astroparticle physics. She has been working to identify the dark matter and dark energy that permeate the universe, as well as to build a successful model for the early universe ...

Katherine Freese | World Science Festival

Lecture by Katherine Freese The ordinary atoms that make up the known universe, from our bodies and the air we breathe to the planets and stars, constitute only 5% of all matter and energy in the...

Dark Matter and Our Universe

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Freese describes the larger-than-life characters and clashing personalities behind the race to identify these elusive particles. Many cosmologists believe we are on the verge of solving the mystery. The Cosmic Cocktail provides the foundation needed to fully fathom this epochal moment in humankind's quest to understand the universe.

The Cosmic Cocktail | UK education collection

The cosmic-ray contribution is 0.3 mSv/yr at sea level and increases at higher elevations. Cosmic-ray muons deposit far more energy in the human body than do WIMPs. These muons pass through the human body at a rate of a few per second, depositing $\sim 10 - 100$ MeV of energy each, far larger than the ~ 10 keV deposited by a WIMP.

Dark matter collisions with the human body - ScienceDirect

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Curated by Luci Eldridge and Nina Trivedi 1 - 31 March 2015.
Featuring videos by Aleksandra Domanovic, Olivier Laric, Yuri
Pattison and Magali Reus, this video screening curated by Luci
Eldridge and Nina Trivedi considers the relationship that artists
have with the perception of time in their work.

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