

Dr. Lisa Randall



Background

Dr. Randall is a theoretical physicist and Professor of physics at Harvard University. She earned her PhD from Harvard University. Some examples of past research she conducted were in understanding particle physics, cosmology, and dark matter.

Contributions to Science

One of Dr. Randall's major contributions to physics was with the Randall-Sundrum model, which is a model that describes the universe in terms of multiple dimensions. She has also made major contributions in understanding dark matter. Dark matter searches and models are the main focuses of her current studies.

What is dark matter?

Dark matter is a different type of matter than the matter we are used to (atoms). It is invisible to humans, as it does not have any interactions with the electromagnetic spectrum. It has 5 times the mass of normal matter, and can influence gravity because of its mass.

Sources: <https://academicinfluence.com/rankings/people/most-influential-physicists-today#randall>

<https://www.physics.harvard.edu/people/facpages/randall>

<https://www.nature.com/articles/d41586-018-05096-y>