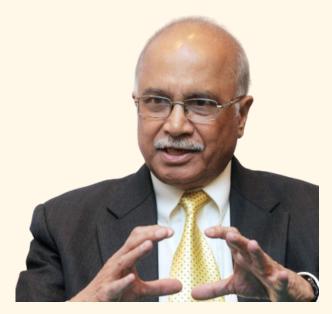
Indian Scientist

Ramamurti Rajaraman

Padma Bhushan in 2014



(11 MARCH 1939 - 12 JULY 2025)

Professor Ramamurti Rajaraman was a true giant of Indian physics whose impact reached far beyond the lab. His academic journey took him from the University of Delhi to Cornell University, and he became a respected professor at Jawaharlal Nehru University, even holding visiting positions at top global institutions like Princeton and MIT!

His Superpowers in Science:

- Unlocking Nuclear Secrets: Imagine
 understanding the tiny building blocks of
 everything! Dr. Rajaraman was a wizard at
 nuclear physics, helping us grasp how
 atomic nuclei are put together. This
 knowledge is super important for things like
 nuclear energy and even understanding
 stars!
- Exploring Quantum Worlds: He delved into the strange and fascinating world of quantum mechanics, studying "solitons"—

think of them as stable waves that behave like particles! His work here influenced everything from material science to highenergy physics.

 Textbook Extraordinaire: He literally wrote the book on "Solitons and Instantons," a go-to guide for advanced students worldwide!

A Champion for Peace:

Beyond his scientific brilliance, Dr. Rajaraman was a passionate advocate for a safer world. He played a crucial role in discussions about nuclear disarmament and non-proliferation, even advising the Indian government. He was a founding member of the International Panel on Fissile Materials, working tirelessly to control nuclear materials. dangerous He frequently shared his insights through public articles on nuclear reactor safety and the risks of nuclear weapons accidents, emphasizing the importance of a responsible nuclear doctrine. His clear voice made him a prominent figure in public discourse on science policy and civil-military relations.

Awards and Legacy:

For his incredible contributions, he received India's third-highest civilian honor, the **Padma Bhushan**, and the prestigious **Shanti Swarup Bhatnagar Prize**. He mentored countless Indian physicists, leaving a lasting legacy in our nation's scientific landscape. Professor Rajaraman truly showed us that science can be a powerful force for both discovery and peace!