# National Institute of Advanced Studies
## Indian Institute of Science Campus
## Bangalore-12

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### PANEL DISCUSSION
# The Fissile Materials Debate in South Asia

**Panelists :**
**Dr. L V Krishnan**
Former Director, Safety Research and Health Physics Group, DAE

**Prof. R Rajaraman**
Emeritus Professor of Theoretical Physics, JNU

**Chairperson**: Prof. Rajaram Nagappa

## About Speakers:

**L.V. Krishnan** is currently Adjunct Faculty at NIAS. He joined the Department of Atomic Energy in 1958 after taking an Honours Degree in Physics from Madras University. Later, he graduated from the Oak Ridge School of Reactor Technology in 1964. He served in the Health Physics Division at Trombay from 1959 until 1973 and then moved to the Kalpakkam Centre to set up a Safety Research Laboratory. At Trombay, he served as Plant Health Physicist for some time. He has participated in safety evaluation of various nuclear installations including power reactors and reprocessing plants. At Kalpakkam, he was Chairman of Safety Evaluation Working Group and retired in 1997 as Director, Safety Research and Health Physics Group. His current interests relates to energy and environment scene in the country. He is a co-author (with C V Sundaram and T S Iyengar) of the book titled 'Atomic Energy in India - Fifty Years', and also a book on 'Elements of Nuclear Power' with Raja Ramanna.

**Professor Rajaraman** is currently Emeritus Professor of Physics at the Jawaharlal Nehru University in New Delhi and Co-Chair of the International Panel on Fissile Materials. He received his Ph.D. in 1963 from Cornell University under the supervision of the Nobel laureate Prof. Hans Bethe. He was in the faculty of Cornell University, the University of S. California, and the Institute for Advanced Study in Princeton before returning to India in 1969. Since then he has been serving in Delhi University, the Indian Institute of Science, Bangalore and finally, J.N.U. He has also been a long-term visiting scientist at Harvard University, M.I.T., Stanford University, Princeton University and CERN, Geneva.

His primary research work for over four decades has been on different areas of theoretical physics, including Nuclear theory, Particle Physics and Quantum field theory, Statistical mechanics, Solitons and Quantum Hall systems. In addition he has also been working on civil and militarynuclear policy and disarmament both in the global and the S. Asian context. He has done technical research on missile defense systems, nuclearweapons accidents, unauthorized launches, Early Warning, nuclear civil defense, fissile material production and stocks in Pakistan and India. He has studied in detail the impact of the Indo-US Nuclear Deal on S. Asia, and played an active role in the 3 year long public debate on the Deal, through Op-eds, seminars and pedagogical lectures.