

COLLOQUIUM

Plasma --- The First State of Matter

Abstract: A plasma has always been described as the fourth state of matter. It is emphasized in this talk that a plasma is the first state of matter since the universe originated from a soup of plasma and radiation. An overview of the area of plasma science would be attempted. The cosmic presence of plasmas in its varied forms is described. The techniques for studying plasmas along with their phenomenal diversity in locales as disparate as water purifiers and thermonuclear fusion are briefly introduced. The symbiotic relation between radiation and plasmas is best seen in space and astrophysical environs.

By

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Prof. Vinod Krishan completed her doctoral degree from the Oak Ridge National Laboratory, Tennessee, USA in 1971. She was Visiting Professor at Lawrence Berkeley Laboratory, Space Research Institute, Sao Paulo, University of Tokyo Nagoya University. Currently, she is Visiting Professor in Indian Institute of Astrophysics, Bangalore. Her main area of research is Solar Physics. She has published more than 100 research papers in refereed journals. She has numerous awards and distinction in her credit. In 1992, She was awarded Dr. Vikram Sarabhai research award for Space Sciences. She was Senior Associate of the International Centre for Theoretical Physics, January 1994-December 2007 and Fellow of the National Academy of Sciences, 1996.

Day & Date : Tuesday, February 11, 2014

Time : 15:45 hrs

**Venue : Seminar Room PF-AG-14, Prefabs, Near Annabhau Sathe Bhavan
University of Mumbai, Vidyanagari, Kalina Campus, Mumbai - 400 098**

All are Welcome