

CENTRE *FOR* EXCELLENCE IN BASIC SCIENCES

From the Atomic Nucleus
to the Stars,
Prof. Umesh Garg.



The stars get their energy from the nuclear fires raging in their cores. The same processes give rise to formation of all elements in the universe. In this talk, we will go on a journey from the beginning of time to the formation of stars, and the role that nuclear physics plays in generation of energy that fuels the stars and provides nuclear power on Earth.

Prof. Umesh Garg is at the University of Notre Dame, Indiana, USA. He is presently visiting the Tata Institute of Fundamental Research, Mumbai. He completed his MSc from BITS Pilani and PhD from Stony Brook University, New York. His research interests include experimental investigation of compressional-mode giant resonances and exotic quantal rotation in nuclei. His group has been investigating the Isoscalar Giant Dipole Resonance, an exotic compressional-oscillation, and the phenomena of chiral and anti-magnetic rotation. He is a fellow of the American Physical Society, and recipient of the 2006 Kaneb award for excellence in teaching.

Tuesday, 21 February 2012, PF-AG-14, 15.45:16.45

ALL ARE WELCOME.