



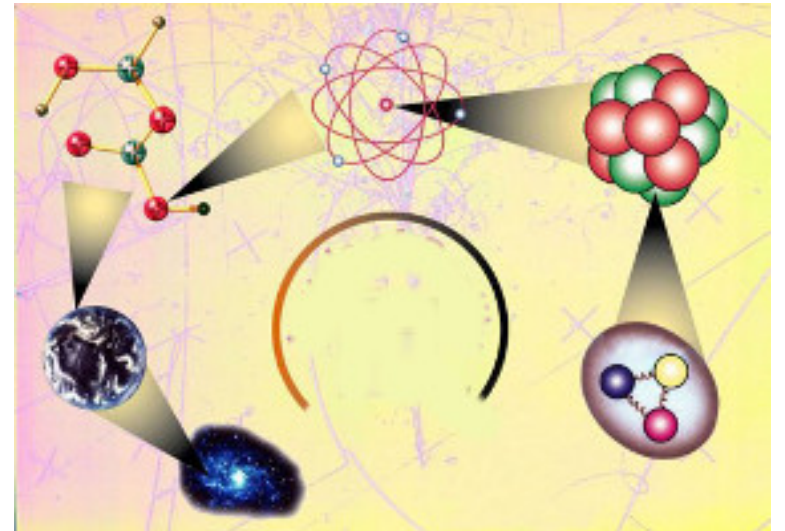
Symposium on Astro-Particle and Nuclear Physics

In Honour of 70th Birthday of Prof. Q.N. Usmani

21-22 January 2014

Centre for Theoretical Physics, Jamia Millia Islamia, New Delhi.

Understanding of physics, at the microscopic level, has become strongly linked to the physics at the cosmological scale. Although some of this understanding relies on theories that are well-tested in laboratories, there remains a vast area which is basically unknown. Unraveling it is challenging, because of the multidisciplinary character of the problem, which requires expertise from historically independent disciplines, covering the entire range from nuclear physics to cosmology. The aim of the symposium is to bring together active scientists in the main research branches with the purpose of discussing the progress made in the relevant areas of astro-particle and nuclear physics.



Invited Speakers

- Wasi Haider, AMU, Aligarh.
- Subhabrata Majumdar, TIFR, Mumbai.
- Subhendra Mohanty, PRL, Ahmedabad.
- Banibrata Mukhopadhyay, IISc, Bangalore.
- Biswarup Mukhopadhyaya, HRI, Allahbad.
- Tirthankar Roy Choudhury, NCRA-TIFR, Pune.
- Raghu Rangarajan, PRL, Ahmedabad.
- R. Rajaraman, JNU.
- V. Ravindran, IMSc, Chennai.
- Mohd. Shoeb, AMU, Aligarh.
- S.K. Singh, HNB Garhwal University, Uttarakhand.
- Vikram Soni, CTP, JMI.
- Dinesh Kumar Srivastava, VECC, Kolkata.
- Kandaswamy Subramanian, IUCAA, Pune.

Topics to be discussed

- **OUR UNDERSTANDING OF THE UNIVERSE**
(Big bang nucleosynthesis; stellar modelling)
- **HIGH DENSITY SYSTEMS**
(Neutron stars; black holes; nuclear structure; hypernuclei)
- **COSMIC RADIATION AND FUNDAMENTAL INTERACTIONS**
(Dark matter; dark energy; cosmology; nuclear interactions)

Organising Committee

- Rathin Adhikari
- Naresh Dadhich
- Sushant G. Ghosh
- Sanjay Jhingan
- Tabish Qureshi
- M. Sami
- Anjan A. Sen
- Vikram Soni

About Prof. Q.N. Usmani

Prof. Q.N. Usmani is a well known name in nuclear many-body physics, having done distinguished work on excited nuclei and nuclear interactions. In 1986 he moved to the Physics Department, Jamia Millia Islamia. He was instrumental in conceiving and proposing the Centre for Theoretical Physics at Jamia in 2004. Until recently, he was professor at Institute for Engineering Mathematics, Universiti Malaysia Perlis, Malaysia.

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Participation by invitation only.

To request invitation, send email to the organisers.