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ANNOUNCEMENTS

SEMINAR ON PHYSICS OF FUSION PLASMAS

The Indian Physics Association (IPA) is organising a four day Seminar on the "Physics of Fusion Plasmas" during 14-17 December, 1982. The Board of Research for Nuclear Sciences (BRNS) of the Department of Atomic Energy (DAE), the Department of Science and Technology (DST) and the Indian National Science Academy (INSA) are sponsoring the Seminar.

Scope and objectives are: Nuclear Fusion is expected to be the major source of commercial energy in the future. The exciting advances made in recent years in Magnetic Confinement Fusion (MCF) and Inertial Confinement Fusion (ICF) research have considerably strengthened the optimistic outlook for fusion power. Ultimate success of fusion energy will however depend on steady progress being maintained in the physics of fusion plasmas and in the development of fusion related technologists. Several countries including India have embarked on studies on various challenging aspects of fusion research. It is therefore the appropriate time for the Indian Physics community to take stock of the current status of this frontier field with a view to formulating plans for fusion research in the years to come.

Topics to be covered: The Seminar is proposed to be

organised in four parts. Part I will cover the physics of Magnetic Confinement Fusion (MCF) systems. The topics to be discussed here include Tokamak Physics, Mirror Fusion, Bumpy Torus, compact Toroids and Pinches. Part II will deal with the Physics of Inertial Confinement Fusion (ICF). The topics will cover among others, overview of ICF, Laser Target Interaction, REB/Light ion beam Transport and Interaction with ICF pellets, Heavy Ion Beams as Drivers, Implosion Physics, Burn Physics, Equation of State of ICF relevant materials Impact Fusion and Advanced Fusion Fuels. In Part III a few talks related to some technological aspects and Fusion systems both in the MCF and ICF areas will be presented. Finally Part IV will comprise short presentations on fusion related research activities in India.

The Seminar will be held at Matheran a picturesque Hill Station about 50 Km from Trombay.

The IPA has proposed to publish the proceedings in the form of a book after the conclusion of the Seminar.

All correspondence regarding the Seminar may be addressed to: M. Srinivasan, Convener, Organising Committee, Seminar on Physics of Fusion Plasmas Purnima Laboratories, Bhabha Atomic Research Centre, Trombay, Bombay-400 085.

SYMPOSIUM ON PETROLIFEROUS BASINS OF INDIA

The Symposium on Petroliferous Basins of India organized by Keshava Deva Malaviya, Institute, of Petroleum Exploration, Dehra Dun, will be held during October-November 1983.

The objective of the symposium is to evaluate the present status of petroleum potential in sedimentary basins of India; to evaluate future prospects; to generate new ideas/concepts; to identify new frontiers of exploration. The scientific programme will be under the

following heads: (i) Well explored basins; (ii) Partially explored basins; (iii) Poorly explored basins; (iv) Unexplored basins with expected hydrocarbon possibilities.

Further particulars may be had from the Symposium Coordinator: Dr. S. K. Biswas, Dy. General Manager (R&D), K.D.M. Institute of Petroleum Exploration, O.N.G.C., Dehra Dun 248 195.