DAE SYMPOSIUM ON NUCLEAR PHYSICS

The 42nd DAE Nuclear Physics Symposium sponsored by the BRNS, b DAE, was held during December 27-31, 1999 at the Physics Department of Panjab University, Chandigarh. The symposium was inaugurated by Dr Raja Ramanna, Member of Parliament and former Chairman, Atomic Energy Commission. Prof. Ashok Sahni, Dean of University Instructions, Panjab University, presided over the inaugural function. Prof. V.S. Ramamurthy, Secretary, Department of Science and Technology, Dr S.S. Kapoor, Director, Physics and E & I Groups, BARC, and Dr B.K. Jain, Head, Nuclear Physics Division, BARC, were other guests of honour. The convener of the symposium was Dr A. Chatterjee and the secretary was Dr Bency V. John from the Nuclear Physics Division, BARC.

There were about 250 participants from the universities and research institutions from all over India. The topics covered in the symposium included nuclear structure, low and medium energy nuclear reactions, physics with radioactive ion beams, intermediate energy nuclear reactions, sub-nucleonic degrees of freedom, relativistic nuclear collisions & QGP, hadronic structure, nuclear matter, nuclear astrophysics, accelerators and nuclear instrumentation. A total of 210 research papers were presented in the symposium. Apart from these, there were fifteen invited talks, six seminar talks and eight theses presentations. The seminar had indepth discussions on the physics and accelerator aspects of the radioactive ion beam facilities.

Among the poster papers, following three papers were given prizes for best poster presentation: (1) "Study of isotopic dependence in the sub-barrier fusion of $^{16}$O + $^{112,116,120}$Sn system," by Vandana Tripathi et al., NSC, (2) "Closed shell effects of parent and daughter nuclei via cluster decay studies," by M. Balasubramaniam, et al., PU, and (3) "SF$_6$ handling system for FOTIA," by S.K. Gupta, et al., BARC. The IPA award for the best thesis presentation was given to Dr Gopal Mukherjee of TIFR for his work on "High spin spectroscopy of nuclei in mass 70-80 region."

The symposium proceedings were summarized by Dr R.K. Chaudhury, BARC and Dr D.K. Srivastava, VECC.