

FOREWORD

The 55th annual Nuclear Physics Symposium sponsored by the Board of Research in Nuclear Sciences, DAE is being held at Birla Institute of Technology & Science, Pilani during Dec. 20-24,2010. It was with the initiative of Dr. Homi J. Bhabha that the annual DAE Nuclear Physics Symposium was started with the aim to provide a scientific forum to the nuclear physics community to present their research work and to interact with the researchers in this area. This year also coincides with the centenary year of the discovery of nucleus from the pioneering experiment of the scattering of alpha particles by Au-foil.

There has been a very enthusiastic response to the symposium in terms of the number of papers (384 nos) and theses (22 nos) submitted for presentation in the symposium. In addition, there are 28 invited talks being delivered by distinguished speakers from India and abroad. The invited talks cover a wide range of topics from low to high energy nuclear physics, accelerators, instrumentation and detector facilities. The present volume contains the contributed papers of the symposium. The invited talks have been published separately as an electronic version.

We would like to thank BITS, Pilani for hosting the symposium and providing the invaluable support. We also thank the screening committee members for help in scrutinizing the contributed papers submitted for presentation in the symposium. We record our gratitude to Prof. S. Karbelkar, convener of the local organizing committee and the team members from BITS, Pilani. The financial support from Board of Research in Nuclear Sciences, DAE for the conduct of the symposium is hereby duly acknowledged.

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