

FOREWORD

The 54th annual Nuclear Physics Symposium sponsored by the Board of Research in Nuclear Sciences, DAE is being held at Bhabha Atomic Research Centre, Mumbai. This year coincides with the birth centenary year of Dr. Homi Bhabha. Dr. Bhabha has been the pioneer of the nuclear energy program in the country and it was also with the initiative of Dr. Bhabha that the annual DAE Nuclear Physics Symposium was started. The organizing committee has decided to mark this occasion by making this symposium international. The aim of this series of symposia has been to provide a scientific forum to the nuclear physics community to present their research work and to interact with the researchers in this area. The symposium will provide the opportunity for the nuclear physics community to deliberate on the frontline areas and world scenario in nuclear physics research. This year, there has been a very enthusiastic response in terms of the number of papers (328 nos.) and theses (10 nos.) submitted for presentation in the symposium. In addition, there are 50 invited talks being delivered by distinguished speakers from India and abroad. The topics covered in the symposium include nuclear reaction and spectroscopy, hadron physics, physics with radioactive ion beams, quark-gluon plasma, neutrino physics, accelerator and nuclear instrumentation.

All the speakers and contributors to the symposium have shown overwhelming response for participation in the symposium. One of the special features of this symposium is the award given for best thesis presented in the symposium. The best thesis award is sponsored by Indian Physics Association as Prof. C.V.K. Baba Award.

On behalf of the Organizing committee, we would like to thank the Advisory committee members for valuable suggestions and support for planning of the symposium. We thank the screening committee members for help in scrutinizing the contributed papers submitted for presentation in the symposium. We acknowledge the Board of Research in Nuclear sciences, DAE for the financial support for conduct of the symposium. We like to thank the Director, Bhabha Atomic Research Centre, Head, Library Division, and all the local organizing committee members for excellent support in organizing the symposium.

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