

# Preface

The 65<sup>th</sup> DAE-BRNS National Symposium on Nuclear Physics, in series, is being organized by Bhabha Atomic Research Centre at DAE Convention Center, Anushaktinagar, Mumbai, India, during Dec. 1-5, 2021. This annual symposium has been instrumental in nurturing a tradition for research in nuclear physics in our country and providing a scientific platform to the nuclear physics community to present their research work and interact with the fellow researchers in this area. This symposium is to be held in a Hybrid mode where Mumbai local people will attend physically and outside Mumbai people will join online. During this year's symposium about 500 participants are expected to attend the symposium to deliberate on 414 contributory papers and 39 Thesis presentations. In addition, there are 10 invited talks by distinguished researchers. Out of the contributory papers, 90 are in Nuclear structure section, 128 papers in Nuclear reaction section, 31 papers in Nuclear astrophysics section, 47 papers in Hadron physics section, 64 papers in Relativistic nuclear collisions and QGP section, 2 papers in Electroweak interaction in nuclei section and 52 papers in Nuclear instrumentation, techniques and application section. Students, who are our future, form a phenomenal 55% of the registered participants. The diverse interests of the research pursued currently in nuclear physics are reflected in the sub-topics covered in the symposium. One can find large overlaps of interests in these topics with several other active fields of research: fundamental interactions and symmetries, many-body systems descriptions, and advanced nuclear and accelerator instrumentation systems, just to name a few. A Pre-symposium Orientation Program on Nuclear Isomerism: Commemorating the centenary of discovery is also arranged on 30<sup>th</sup> November, 2021. There will be Indian Physics Association (IPA) sponsored, the C. V. K. Baba awards for the best thesis presentation in the symposium. Two awards will be given, one each for the year 2020 and 2021.

We are grateful to all the speakers and participants for the overwhelming response and participation in the symposium. We thank the Board of Research in Nuclear Sciences, Department of Atomic Energy, for funding the symposium generously. We would like to thank the members of National Advisory Committee and the Organizing Committee for their valuable suggestions and support in planning the symposium. We thank the Screening Committee members for scrutinizing the contributed papers for presentation in the symposium. We record our gratitude to all our colleagues in helping us to make the necessary arrangements for conducting the symposium successfully.

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