Symposium on

Advances in Physics from Small to Large Scales

(March 27 - 28, 2018)

Sponsored by



University Grants Commission, New Delhi

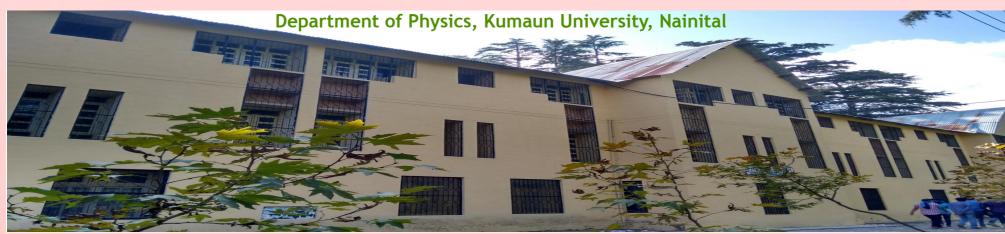
Organised by

Department of Physics, UGC-Centre of Advanced Study DSB Campus, Kumaun University, Nainital – 263 001

In collaboration with

Uttarakhand Science Education and Research Centre (USERC), Dehradun





Large scale events affects us directly and indirectly in various ways for research work and also has collaboration with various national as well physical phenomena show exceptional similarity and the Physics Centre of Advanced Study (CAS-I) by UGC in 2015. involved in small scale events becomes crucial to interpret the large scale events. In addition, spectroscopic study of any physical Venue: The venue of the symposium is Department of Physics, DSB phenomena irrespective of the scale involved, gives us very precise Campus, Kumaun University, Nainital – 263 001 which is around 35 information to understand the kinematics and dynamics of these km from nearby Kathgodam railway station and 60 km from the

Keeping in views these facts, the present symposium is aimed to bring Uttarkhand and a world famous tourist destination. together the researchers from diverse areas like: High Energy Physics, Spectroscopy and Astrophysics. The Symposium will cover following topics:

- **High Energy Physics:** Basic Building Blocks of Matter, and contributory papers as oral and poster presentation. Fundamental Interactions of Quarks and Leptons, QCD and Hadron Dynamics, Standard Model and Beyond, Advances in Field Theories.
- time domain laser spectroscopy and its application.
- Star Clusters, Exotic Objects and Events.

Prof. H. Dehnen (Konstanz University, Germany), Prof. Ivan Name, Designation, Institute, Address, email, contact number, Zhelyazkov (Sofia University, Bulgaria), Prof. B. S. Rajput (Kumaun accommodation required, travel support, (brief CV and University), Prof. B. S. Bisht (BIAS, Bhimtal). Prof. O. P. S. Negi recommendation letter from supervisor in case of student) (Kumaun University), Prof. M.C. Durgapal (Kumaun University), Prof. D. S. Kulshrestha (Delhi University), Prof. A. Abbas (JMI, Contact: Delhi), Prof. B. P Mandal (BHU), Prof. H. M. Agarwal (G. B. Pant Convener Symposium University, Pantnagar), Prof. M. C. Joshi (Kumaun University), Dr. Department of Physics (UGC-CAS) Wahab Uddin (ARIES, Nainital).

Local Organising Committee:

Prof. Shuchi Bisht, Dr. Hem Pande, Dr. Ashutosh Bhatt, Dr. Alok Phone: 09412986369, 9690681836, 9411198359 Durgapal, Dr. Bimal Pande, Dr. Seema Pande, Dr. Grish Chandra, Rajkumar, Prof. P. Bisht, Dr. P. Fularia, Dr. Nandan Singh, Vijay Ballabh, Deependra Singh Rawat, Reetika Joshi, Kalpana Tewari.

Patron

Convener Prof. D. K. Nauriyal Prof. H. C. Chandola **Vice- Chancellor Department of Physics** Kumaun University, Nainital **Kumaun University, Nainital**

Theme: It is an astounding fact that the modern day Physics can About Department: The organising Department (Department of quantitatively describe phenomena from small scale of Quarks and Physics DSB Campus) is a major Department of Kumaun University, Leptons to the large scale of the whole present day universe. In the Nainital, which is well known for its teaching and research activities in universe, most of the physical phenomenon belong either to small or the field of High Energy Physics, Spectroscopy and Astrophysics right large scales, which play an important role even in our day-to-day life. from its inception in 1973. The department has been engaged in quality example: effects of cosmic rays, solar eruptions in the interplanetary as international academic institutes. As a result of this the department space, very high energetic gamma-ray phenomena in the Universe etc. has been specially identified by UGC under its SAP programme since However, in many cases the Physics of the small and large scale 1989. Presently, the department has been provided the status of

nearest Pantnagar Airport. Nainital is a well known Lake City of

Abstract submission and Registration: The last date for the registration and abstract submission through email is February 28, 2018. The scientific deliberation of symposium consists of invited talks

The registration fee is Rs. 2000/- (Rupees Two Thousand only) and can • Spectroscopy: Spectroscopic investigations from macro to micro, be paid at the registration site. Boarding and lodging facilities during the symposium will be provided by organisers. Due to limited funds, • Astrophysics: Sun and Solar System, Solar Activities, Galaxies and only a very limited number of participants may be provided the travel support.

For registration, please provide the following information:

DSB Campus, Kumaun University, Nainital Email: physics symposium@kunainital.ac.in

> **Organising Secretaries Prof. Sanjay Pant** Dr. Ramesh Chandra