



International Workshop on Astrophysics and Cosmology

Oct 28-31, 2019

National Centre for Physics, Islamabad, Pakistan

Introduction

The field of Astrophysics and Cosmology has grown a lot over the past few decades. The experimental breakthroughs in recent years as well as future international collaborations have gathered great interest in these exciting areas of Astrophysics and Cosmology. National Centre for Physics (NCP) has setup a working group on Astrophysics and Cosmology and we organized a three day International Workshop on Astrophysics and Cosmology in Sep 2017. This year NCP is organizing a four-day International Workshop on Astrophysics and Cosmology Oct 28-31, 2019. The purpose of this workshop is to provide an introduction to the core areas of Astrophysics and Cosmology. It is intended for beginning graduate students, as well as for finishing undergraduate students. The aim of the workshop is to foster discussion about all aspects of astrophysics and cosmology, focusing mostly on Astrophysical and Cosmological implications, through a small number of invited talks and discussion. As such, the activity will serve as a forum where the young participants in the field will have a chance to initiate research collaborations at national and international level.

Topics to be covered

- Inflationary Cosmology
- Physics of Early Universe
- CMB and Large Scale Structure physics
- Black Hole Astrophysics
- Astrophysical Gravitational Waves
- Other topics in astrophysics

Participation

All PhD, MPhil, MSc and BS students enrolled in Physics or Mathematics program at HEC recognized universities/Institutes are encouraged to apply for participation. Participation of junior students is encouraged to introduce them to this exciting field of Cosmology and Astrophysics. As a rule, travel expenses of the participants should be borne by their home institutes. However, partial travel assistance may be provided to a few selected participants residing outside Islamabad.

How to apply

The online registration form can be accessed at: www.ncp.edu.pk/iwac-2019.php. Application Form should be submitted on or before **July 28, 2019** (for foreign participants) and **September 20, 2019** (for local participants). There is a registration fee of PKR 1500/- for locals & PKR 2000/- for outstation participants. Selection will be made by the Technical Committee of workshop.

For Further Information, Please Contact:

Activity Secretariat: caad@ncp.edu.pk

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Directors

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Mohsin Siddiq
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Intl. Advisory Committee

Qaiser Shafi (Delaware, USA)
Mansoor Ahmed (NASA, USA)
Jenifer Wiseman (NASA, USA)

Invited Speakers

Shaaban Khalil (Zewail U., Egypt)
Vincenzo Salzano (U. of Szczecin, Poland)
Zongkuan Guo (ITP, China)
Shaoqi Hou (Wuhan U., China)
Mansoor-ur-Rehman (QAU, Islamabad)
Khalid Saifuallah (QAU, Islamabad)
M Junaid (NCP, Islamabad)
Husain Gohar (QAU, Islamabad)
Jameel-u-Nabi (GIK, Pakistan)
Mansoor Ahmed (NASA, USA)
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Organizing Committee

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Application Deadline

Foreign Participants

July 28, 2019

Local Participants

September 20, 2019