Astronomy and Space Science Unit
Department of Physics
University of Colombo

Call for nominations of Physics Honors degree undergraduates from the National Universities, Sri Lankan for

Physics Without Frontiers: the Sri Lankan Summer School in

STELLAR EVOLUTION & ASTEROSEISMOLOGY

Stellar evolution is the most important aspect of astrophysical processes ranging from protostar to white dwarf, Neutron Star, Black Hole. Modules for Experiments in Stellar Astrophysics (MESA) is a state-of-art stellar evaluation code which can be used to model the stellar interior and evolution with a wide range of parameters to simulate a large number of astrophysical scenarios. We expect students to give the opportunity to use the code for the applications of pulsating stars. Thereby introduce the theoretical aspects of pulsating stars and how to properly model stars which can explain the observations.

Introduction to Modules for Experiments in Stellar Astrophysics (MESA) - Practical Session
Prof. Jordi L Gutiérrez
Professor at the Universitat Politècnica de Catalunya, Spain

Guest Speakers
Prof. Jordi L Gutiérrez - Universitat Politècnica de Catalunya, Spain
Prof. Gerald Handler - Nicolaus Copernicus Astronomical Center, Poland
Prof. Shashikiran Ganesh - Physical Research Laboratory, India
Prof. Pilar Gil-Pons - Universitat Politècnica de Catalunya, Spain
Prof. K P S Chandana Jayaratne - University of Colombo, Sri Lanka

5-9 August 2024

Department of Physics
University of Colombo

in collaboration with

ICTP The Abdus Salam International Centre for Theoretical Physics
Physics Without Frontiers

IAEA International Atomic Energy Agency
unesco United Nations Educational, Scientific and Cultural Organization

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https://www.res.cmb.ac.lk/physics/assu/