



INDO-SOUTH AFRICA WORKSHOP ON ASTROPHYSICS

ORGANISED BY CENTRE FOR THEORETICAL PHYSICS, JAMIA MILLIA ISLAMIA & ICARD | SEPTEMBER 29, 2023



UNIVERSITY OF
KWAZULU-NATAL

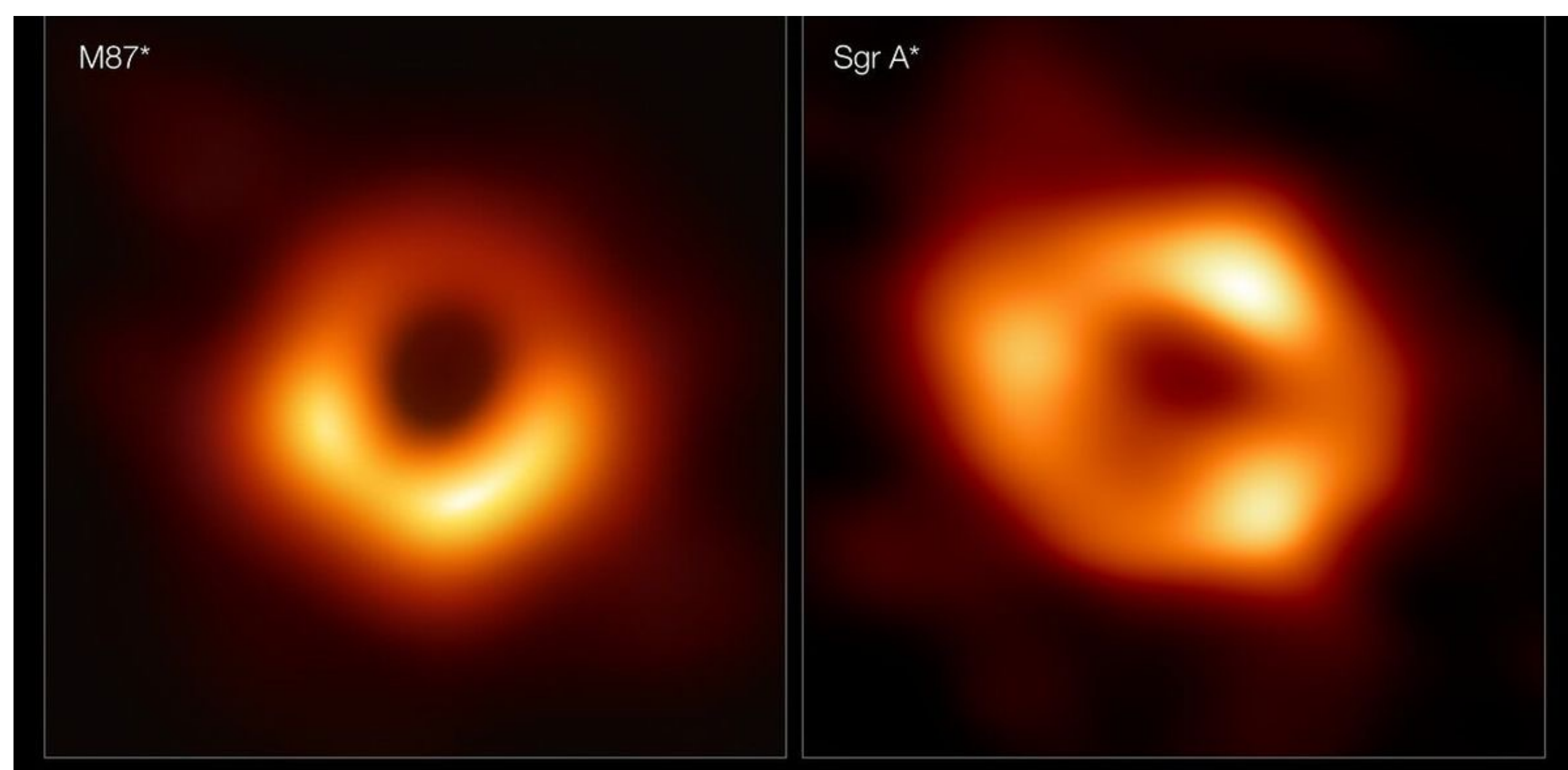
ABOUT THE WORKSHOP

The Centre for Theoretical Physics, Jamia Millia Islamia (CTP, JMI), will host the Indo-South Africa Workshop on Astrophysics on September 29, 2023. The event aims to bring together accomplished researchers in Gravitation and Astrophysics. The research collaboration between South Africa and India is robust and continually expanding, particularly in astrophysics and gravity. It is essential to nurture and fortify this partnership for the future. The workshop will encompass discussions on recent advancements and current developments, as well as the exchange of valuable insights. It aims to provide a platform for young researchers from India and South Africa to engage with leading experts in the field. We designed the agenda to feature a series of comprehensive keynote/Plenary talks, concurrent sessions, and oral presentations.



THEME

Gravitation, Astrophysics, Gravitational Lensing, Black hole Shadow, Stellar Modelling, Radiating Star



EHT Observed Image of the black holes M87* and SgrA*

ADVISORS

Chief Patron: Prof. Najma Akhtar, Vice Chancellor, Jamia Millia Islamia (JMI)

**Patron: Prof. Eqbal Hussain, Pro-VC, JMI
Prof. Prof. Nazim Husain Al-Jafri, Registrar, JMI**

Co-Patron: Prof. Tabrez A Khan, Dean Faculty of Natural Science, JMI

Finance Chair: CA Shaikh Safiullah, FO, JMI

Digital Chair: Dr. S. Kazim Naqvi (Offg. Director, FTK-CIT)

Publicity chair: Dr. Ahmed Azeem – PRO – Media Coordinator, JMI

ABOUT ICARD

IUCAA Centre for Astronomy Research and Development (ICARD) at CTP, JMI

The primary functions of the ICARDs are:

1. To contribute to the development of innovative teaching methods designed for Astronomy. It includes the development of up-to-date course structures and new kinds of experiment/data analysis sessions, which can be a part of a starting or existing Astronomy course in a University. They will try and inculcate distant learning programs and come up with suggestions how they can be implemented.

2. To hold frequent workshops/schools/meetings at various levels at the host University/College and at nearby regions.

3. To have an active public outreach program for Astronomy.

4. To be visiting Centre where nearby Astronomers can visit.

About CTP

The Centre for Theoretical Physics is a vibrant research centre in the central university *Jamia Millia Islamia*. It was established in the year 2006. During the past few years, Centre for Theoretical Physics (CTP) has grown into a leading centre for research in the country, and is the only centre in Delhi which is solely dedicated to research in theoretical physics. The Centre's activities are mainly in the areas of astrophysics, gravitation, high energy physics, cosmology and quantum physics. A significant number of scientists visit the centre each year, participating in workshops, seminars, training courses, and a range of other scientific activities.

ORGANIZING COMMITTEE

Prof. Tabish Qureshi – Chair

Prof. Anjan A. Sen, CTP, JMI

Prof. Rathin Adhikari, CTP, JMI

Dr. Mayukh Gangopadhyay, SGT, Gurugram

Prof. J. K. Singh – NSUT, Delhi

Prof. Anirudh Pradhan, GLA, Mathura

Prof. Farook Rehaman, Jadavpur University

Prof. Sunil Maharaj, UKZN, - Organising Secretary, SA

Prof. Sushant Ghosh - Organising Secretary, India

REGISTRATION

PARTICIPATION BY INVITATION ONLY. All invited participants should register for the workshop using the following link
<https://forms.gle/PeS5iraxWihVS9gt9>

LAST DATE: September 23, 2023