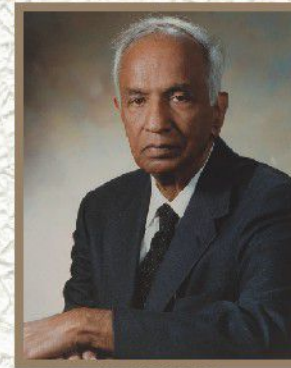


Professor Somak Raychaudhury: Brief Profile



Professor Somak Raychaudhury is the Director of the Inter-University Centre for Astronomy & Astrophysics (IUCAA) at Pune. He graduated from Presidency College, University of Calcutta, and University of Oxford, UK. After his PhD from the University of Cambridge, UK, he worked at the Harvard-Smithsonian Center for Astrophysics, USA, where he was part of the team that built the Chandra X-Ray Observatory for NASA. After faculty positions at IUCAA, Pune and at the University of Birmingham, UK, he was Head of Physics and Dean of Sciences at Presidency University, Kolkata, before his current position.

He is a Fellow of the National Academy of Sciences, the Astronomical Society of India, and Royal Astronomical Society, London. His research involves a wide range of topics in Observational Cosmology and Astrophysics.



5th *S. Chandrasekhar Memorial Lecture*

on
Observing Black Holes: Reality and Myth

by
Professor Somak Raychaudhury
Director
Inter-University Centre for Astronomy & Astrophysics
(IUCAA, Pune)

Friday, 29th November, 2019 at 4:00 pm
in
Silver Jubilee Hall,
SNBNCBS



S. N. Bose National Centre for Basic Sciences
Block-JD, Sector- III, Salt Lake
Kolkata - 700 106

Observing Black Holes: Reality and Myth

Professor Somak Raychaudhury

ABSTRACT

It has been a century since Einstein changed our way of looking at gravity, which led to a number unusual consequences, such as the existence of singularities, the bending of light and the existence of gravitational waves. Chandrasekhar showed us how compact objects, including black holes, can be formed in the Universe. The existence, and the reality of actually "observing" black holes was keenly debated until recent times. In the last two decades, however, observations of many of these outrageous predictions have become a reality. I will discuss the many ways in which various kinds of black holes are now observed, and future experiments to which we look forward.



S. N. Bose National Centre for Basic Sciences

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On behalf of Staff & Students of the Centre

I cordially invite you to the

5th

S. Chandrasekhar Memorial Lecture

to be delivered by

Professor Somak Raychaudhury

Director

Inter-University Centre for Astronomy & Astrophysics
(IUCAA, Pune)

on

Observing Black Holes: Reality and Myth

at

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Prof. Samit Kumar Ray
Director