



THE LARS ONSAGER LECTURE 2023

Venue: S8, Sentralbygg 2, Gløshaugen
Time: 18 October at 10:15–11:30

The lecture is free
and open for all

ROGER BLANDFORD FRS, FRAS
Professor at the Kavli Institute, Stanford University

Black Holes, Neutron Stars and Extreme Physics

We have long known that the universe is full of black holes, from which light cannot escape and neutron stars, with masses similar to the sun and sizes that would fit comfortably in the Trondheim Fjord. Remarkable discoveries over the past decade have revealed the varied ways in which they behave. They expand the physics of the laboratory and everyday life into new territory characterized by extremes of energy, density, temperature, magnetism and so on. In this lecture I will attempt to explain, in simple language, what we have learned from astronomical observations, and how the study of black holes and neutron stars relates to scientific discoveries made on earth.

Prof. Blandford has received numerous prizes, e.g., the Eddington Medal, the Gold Medal of the Royal Astronomical Society, and the Shaw Prize.



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