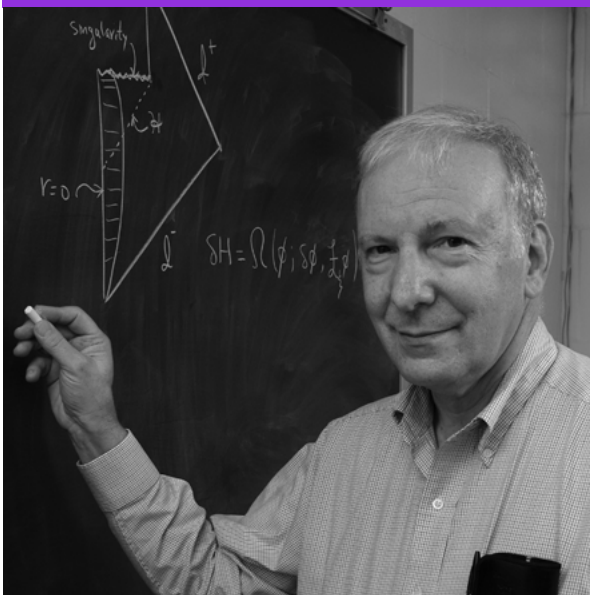




# HEARNE EMINENT LECTURE SERIES



A PUBLIC LECTURE BY  
DR. ROBERT WALD,  
THE UNIVERSITY OF CHICAGO

**Dr. Robert Wald**  
Ph.D., Princeton, 1972.  
Charles H. Swift Distinguished Service  
Professor, Dept. of Physics, Enrico Fermi  
Institute, and the University of Chicago.  
Theoretical physics, general relativity.

**Wednesday  
October 14,  
5 p.m.  
Room 130  
Nicholson Hall**

Dr. Wald's research has been concerned with a broad range of topics in classical general relativity, cosmology, and quantum phenomena related to gravity. A great deal of his research has focused on the theory of black holes - regions of spacetime where gravity is so strong that nothing can escape - and the remarkable (mathematical and physical) analogy between the laws of black hole physics and the ordinary laws of thermodynamics. In particular, the fact that black holes radiate as perfect black bodies as a consequence of quantum particle creation effects has led to many deep insights into the nature of quantum gravity. His interests also span mathematical investigations of classical general relativity and applications of general relativity to cosmology and astrophysics.

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& Astronomy