

Notice of a **Free Public Lecture** presented



**Australian Institute of Physics (SA branch)**

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**at 7:30pm, Tuesday November 9<sup>th</sup> 1999**

**in Union Hall  
at the University of Adelaide**

## **“Black Holes”**

**by Don N. Page**

CIAR Cosmology and Gravitation Fellow  
and Professor of Physics  
University of Alberta

### **Abstract:**

Black holes are regions of spacetime within which the gravitational field is so strong that no form of matter or radiation can escape, except by quantum-mechanical tunneling. They are believed to be the results of the collapse of massive stars that have burned out their nuclear fuel. In some ways black holes seem to be the simplest and best-understood objects in the universe, and yet in other ways they may be the most complex and least-understood objects. A summary of some of what we know and don't know about these strange and beautiful objects will be given.

### **About the speaker:**

Professor Don Page of the University of Alberta, a world expert on black holes and theoretical cosmology, is visiting the Mathematical Physics Group at the University of Adelaide this month through the Faculty of Science's International Science Scholar Scheme.

Don Page obtained a PhD from Caltech under the supervision of Kip Thorne at Caltech in the early 1970s, followed by postdoctoral work with Stephen Hawking at Cambridge, with whom he has collaborated on all aspects of black holes, quantum cosmology and quantum gravity over the past 25 years. He has been a Professor of Physics at the University of Alberta since 1990.