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AUSTRALIAN INSTITUTE OF PHYSICS
South Australian Branch



Government of South Australia

Department of Further Education,
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Notice of a **FREE PUBLIC LECTURE** presented in conjunction with the **Women-In-Physics Group**, by the **Australian Institute of Physics (SA branch)**, a **National Science Week Event**, supported by the **Government of South Australia**

The Claire Corani Memorial Lecture

The South Australian Lecture in the 2010 Women in Physics Lecture Tour

at **7:30pm** on **Wednesday 18th August 2010**
in the **Napier 102, Napier Building,**
University of Adelaide



“Mini Black Holes at the Large Hadron Collider”

by **Professor Elizabeth Winstanley**
University of Sheffield, UK

Brane world models in string theory suggest that our universe is a slice, or ‘brane’, of a higher-dimensional space-time. In this talk we will discuss why one consequence of these models is that copious numbers of mini black holes may be formed by collisions at the Large Hadron Collider (LHC) at CERN. We will describe how these mini black holes are created, and what happens to them once they have been produced. In particular, we discuss why these black holes will not swallow up the entire Earth.