



ANZAAS, Victorian Division

Australian and New Zealand Association
for the Advancement of Science

Science Talk

Free, all welcome (booking not needed)

Refreshments after the talk

**At the Kaleide Theatre (RMIT), Melbourne
360 Swanston Street, 100 metres up from Latrobe Street**

Wednesday 8 August 2007, at 8 pm

Assoc. Prof. Max Thompson,
School of Physics, University of Melbourne

The mighty neutron

This illustrated lecture discusses the neutron, its properties, and its role in the nucleus of the atom. A brief discussion of the nuclear force and the formation of nuclei leads on to consideration of how the neutron can contribute to the solution of some contemporary problems.

The strong attraction that a slow-moving neutron has for other nuclei, means that it can be utilised to contribute to solution of aspects of . . .

Medical problems: Cancer therapy; Total body protein measurement.

Terrorism: Explosives detection; Parcel bombs; Landmines.

Climate Change: Greenhouse effect; Carbon dioxide reduction; Nuclear power.

□ **We are pleased to acknowledge the support by the Finkel Foundation for the ANZAAS Melbourne science talks series**

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