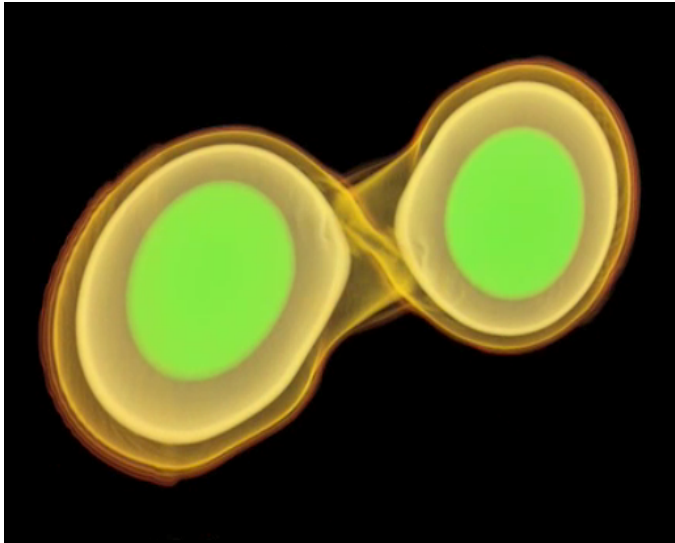


EXPLORING THE DARK SIDE OF THE UNIVERSE



The University of Western Australia Evening Public Lectures

Family friendly lectures for all who care
about the awesome and mysterious
Universe

7:30pm Monday, 22 February 2010

Bookings through UWA Extension:

Tel: 61 (08) 6488 2433; or

Online: www.extension.uwa.edu.au;

click "Special Events/Visiting Speakers";

and enter the Unit Code 10152163 to enrol.

Tickets: \$20 per Adult; \$10 per Student/Concession

In association with the Launch of the Australian International Gravitational Observatory (AIGO) project, The University of Western Australia invites you to explore the dark side of the Universe soon to be revealed by gravitational wave detectors on earth and in space. The new detectors will allow us to probe the beginning of time in the big bang and the end of time in black holes, and processes where space and time are warped and distorted.

Two outstanding speakers – leading experts on gravitational waves – will present lectures including spectacular supercomputer generated movies of the birth of black holes. In audio you will hear the music of the spheres – sounds of the universe in gravitational waves from the big bang, supernova explosions, neutron stars and black holes. You will learn how the most sensitive instruments ever devised have been created to probe places beyond the reach of normal telescopes, where only gravitational waves can reach us.

Prof Andrew Melatos,
University of Melbourne

“The Dark Side of the Universe”



Prof Karsten Danzmann,
Albert Einstein Institute, Germany

“Listening to the Universe in Einstein’s Gravitational Waves”



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