Notre Dame Science
Department of Physics

THE DOUBLE PULSAR, AURORA BOREALIS AND TESTING THEORIES OF GRAVITY

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The Double Pulsar - a system of two neutron stars in which both companions emit pulsed radio signals - is an excellent astrophysical tool to probe theories of gravity, stellar evolution, pulsar theories and plasma physics in extreme conditions. Periodic eclipses seen in the system provided the first test of relativistic spin precession in strong gravity regime. A number of methods used in studying the interaction of the Solar wind with planetary magnetospheres can be directly applied to this system.

Astrophysics Seminar

All interested persons are cordially invited to attend.