

UNIVERSITY OF TEXAS AT DALLAS - DEPARTMENT OF PHYSICS
PHYSICS COLLOQUIUM

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Wednesday, February 2, 2005; 4:00-5:00 PM
in Kusch Auditorium, FN 2.102

**Gravitational Waves: a New Window to the
Universe**

Professor Jörg Frauendiener

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The existence of gravitational waves is the last prediction of Einstein which has not been verified directly. Although there is indirect evidence for their existence, a direct detection is still missing. However, there are big efforts made to see gravitational waves within the next couple of years. The talk will give a general overview of the properties of gravitational waves, accompanying them from source to detection. There will also be discussion of the efforts in numerical simulations of certain scenarios which are needed to enhance the detection of the waves.