

TAUP 2003

WORKSHOP SESSION ON GRAVITY AND GRAVITATIONAL WAVES (September 8)

Conveners: Massimo Cerdonio, Fred Raab, Scott Hughes

Location: Physics Bldg. Room A110

Monday, September 8

- 14:30-14:45 Sub-millimeter Tests of the Gravitational Inverse Square Law
Eric Adelberger (Univ. Washington)
- 14:45-15:05 Overview on Gravitational Waves Astrophysics
Scott Hughes (MIT)
- 15:05-15:25 Sources of High Frequency Gravitational Waves
Kostas Kokkotas (Univ. Thessaloniki)
- 15:25-15:45 Core-collapse Supernovae and Gravitational Waves
Christian Cardall (Oak Ridge)
- 15:45-16:05 Advanced LIGO
Daniel Sigg (LIGO-Hanford)
- 16:05-16:15 Large Scale Cryogenic Laser Interferometer Gravitational Wave
Telescope (LCGT)
Shinji Miyoki (ICRR-Tokyo)
- 16:15-16:25 Cryogenic Interferometers: Some Good Reasons for Pursuing Them
Adalberto Giazotto (VIRGO-Pisa)
- 16:25-16:35 Wide Bandwidth DUAL Acoustic gw Detector : "Selective" Readout and
Back-Action Reduction
Massimo Cerdonio (INFN)
- 16:35-16:45 Escorts to Waves of Gravity: Virtue of Coincident Observation of Energetic
Cosmic Events by Traditional and Gravity Wave Observatories
Szabolcs Marka (LIGO-Caltech)
- 16:45-17:00 Using Astrophysical Observations to Trigger a Burst Searches in a Network
of Gravitational Wave Detectors
Ik Siong Heng (GEO-Hannover)