

**Gravity in three dimensions****Workshop: April 14–April 24 2009**Erwin Schrödinger International Institute for Mathematical Physics  
Vienna, Austria

Organizers: H. Grosse, D. Grumiller, R. Jackiw, D. Vassilevich

**WEEK 1****Tuesday, April 14, 2009**

- 09:15 - 09:30 WELCOME AND ANNOUNCEMENTS
- 09:30 - 10:30 MARC HENNEAUX  
Conserved charges in gravitation theory: the Hamiltonian approach
- 10:30 - 11:00 COFFEE BREAK
- 11:00 - 12:00 ANDREW STROMINGER  
Chiral Gravity
- 12:00 - 14:30 LUNCH BREAK
- 14:30 - 15:30 ALEX MALONEY  
The Sum over Geometries in Three Dimensions
- 15:30 - 16:00 COFFEE BREAK
- 16:00 - 17:00 CATHERINE MEUSBERGER  
Cosmological measurements, time, and observables in (2+1)-gravity

**Wednesday, April 15, 2009**

- 09:30 - 10:30 MATTHIAS GABERDIEL  
Extremal conformal field theories and pure gravity on AdS3
- 10:30 - 11:00 COFFEE BREAK
- 11:00 - 12:00 JORGE ZANELLI  
0-Branes in 2+1 gravity
- 12:00 - 14:30 LUNCH BREAK
- 14:30 - 15:30 ANDREW WALDRON  
Weyl Invariance and the Origins of Mass
- 15:30 - 16:00 COFFEE BREAK
- 16:00 - 17:00 OLAF HOHM  
Massive gravity in three dimensions

**Thursday, April 16, 2009**

- 09:30 - 10:30 STEVE CARLIP  
Chiral topologically massive gravity and the B-F Bound
- 10:30 - 11:00 COFFEE BREAK
- 11:00 - 12:00 ERIC BERGSHOEFF  
Gauging Supergravity in Three Dimensions
- 12:00 - 14:30 LUNCH BREAK
- 14:30 - 15:30 RICARDO TRONCOSO  
On the effects of relaxing the asymptotics of gravity in three dimensions
- 15:30 - 16:00 COFFEE BREAK
- 16:00 - 17:00 STEPHANE DETOURNAY  
Warped AdS3 in string theory

**Friday, April 17, 2009**

- 09:30 - 10:30 ROMAN JACKIW  
4 - 3 dimensional reduction of the Weyl tensor and Einstein-Weyl Theory
- 10:30 - 11:00 COFFEE BREAK
- 11:00 - 12:00 GEOFFREY COMPERE  
Asymptotic symmetries and central charges in 3d gravity
- 12:00 - 14:30 LUNCH BREAK
- 14:30 - 15:30 GASTON GIRIBET  
Duality between non-rational conformal field theories:  
Some application to three-dimensional gravity in AdS3.
- 15:30 - 16:00 COFFEE BREAK
- 16:00 - 17:00 WEI SONG  
The Perturbative Spectrum in Chiral Gravity

All lectures take place in the ESI Boltzmann Lecture Hall.