



**2 December 2011**

**University of Innsbruck**

**Claudiasaal**

**Herzog-Friedrich-Straße 3 – 6020 Innsbruck, Austria**  
(in the old town)

**New insights from the early Universe, gravitational and quantum physics, dark matter and surprises from neutrino inspired science inspire challenging questions and exciting cross-disciplinary discussion. This meeting, composed of 6 colloquium talks and discussion sessions, will explore these fundamental issues.**

**Programme:**



**Gianfranco Bertone**  
University of Amsterdam

*The moment of truth for WIMP Dark Matter*

**Alessandro Bravar**  
Universite de Geneve

*Neutrinos are still a mystery*



**Ed Hinds**  
Imperial College London

*New measurements of the electron electric dipole moment in YbF molecules*

**Renate Loll**  
Utrecht University

*Searching for the Quantum Origins of Space and Time*



**Hiranya Peiris**  
University College London

*Current and Future Challenges of the Early Universe*

**Buford Price**  
Berkeley

*Ultra-high-energy neutrinos and ultra-small bacteria in deep ice at the South Pole*



All talks will be 40 minutes plus 10 minutes for discussion.

A registration fee of 30 euros per participant will be requested to cover coffee breaks plus evening banquet at Schloss Ambras on the Friday evening.

For practical catering reasons, the total number of participants is limited.

For information and request for invitation please contact:

► [Steven.Bass@uibk.ac.at](mailto:Steven.Bass@uibk.ac.at) before November 21, 2011.

Applications from students are welcome (please advise which group and whether Ph D student, diploma, or which semester for undergraduates).

### Draft programme:

#### Friday, December 2

09.30	Welcome - Rector and Vice President for Science: Tilmann Märk
09.40	Peiris
10.30-11.00	Coffee
11.00	Bertone
11.50	Loll
12.40 - 15.00	Lunch
15.00	Hinds
15.50	Bravar
16.40 - 17.10	Coffee
17.10	Price
18.00	
19.00	Evening banquet

### Local organisation

Steven Bass

Institute for Theoretical Physics

Birgit Sattler

Institute for Ecology

### (University of Innsbruck):

Barbara Tasser

Italien-Zentrum

This meeting is organised in collaboration with the University of Innsbruck and the Italien-Zentrum of the University of Innsbruck with support from the University and the Austrian Science Fund, FWF, through grant P20436.

### Travel information:

The meeting site is in the Innsbruck old town, 10 minutes from the main train station and 20 minutes taxi from airport. Train connections are available at [www.oebb.at](http://www.oebb.at).

For people coming by air, there are flights through Frankfurt and Vienna. Please check the connections and fares at both:

[www.lufthansa.com](http://www.lufthansa.com)

and

[www.aa.com](http://www.aa.com) (Austrian Airlines)

A map of Innsbruck is available at: [www2.innsbruck.at/WebCity/FrontController](http://www2.innsbruck.at/WebCity/FrontController)

The meeting room of the symposium is in: <http://www.uibk.ac.at/italienzentrum/kontakt.html>

For information about hotel possibilities and attractive excursions on Saturday: [www.tiscover.at](http://www.tiscover.at)

