



3rd AFI Symposium
> Fundamental Physics Questions <

16 October 2009

University of Innsbruck

Claudiasaal

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

The early Universe, quantum physics and elementary particles through to large scale complex and critical phenomena inspire challenging physics questions and exciting cross-disciplinary discussion. This meeting, composed of 6 colloquium talks and discussion sessions, will explore these fundamental issues.

Programme:



Antonio Acin
Barcelona

Quantum non-locality: a resource for information processing

Alessandro Bravar
Geneve

Current Excitement and Prospects in Neutrino Physics



Christof Gattlinger
Graz

QCD on the lattice – concepts, developments and challenges

Hiranya Peiris
University College London

Fingerprints of the early Universe



Graham Ross
Oxford

Electroweak symmetry breaking and the origin of mass

Emily Shuckburgh
Cambridge

The science of climate change



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 before October 8, 2009.

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

Draft programme:

Friday, October 16

09.00	Welcome: Vice President for Science: Tilmann Märk
09.10	Peiris
10.00-10.30	Coffee
10.30	Ross
11.20	Bravar
12.10 - 15.00	Lunch
15.00	Acin
15.50	Gattringer
16.40 - 17.10	Coffee
17.10	Shuckburgh
18.00	
19.00	Evening banquet

Local organisation

(University of Innsbruck):

Steven Bass

Barbara Tasser

Institute for Theoretical Physics

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. Train via Zuerich is suggested for participants travelling from Geneva.

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

www.lufthansa.com

and

www.aa.com (Austrian Airlines)

A map of Innsbruck is available at: 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 afternoon: www.tiscover.at

