

Lorentz (+Virgo) Meeting
Monday - Wednesday 15-17/Jan/07
Lorentz Centre - Leiden

Dear colleagues,

This is the provisional programme for the first 3 days of the Lorentz meeting in Leiden. With a few exceptions, dictated largely by scheduling considerations, the talks are either of 15 or 20 mins duration. There are, in addition, programmed discussion sessions immediately after each talk, of 5 or 10 mins duration respectively. These discussion periods are intended not only for questions to the speaker but also to raise issues related to the topic of the talk. As far as the scheduling permitted, we tried to allocate longer times for talks on collaborative projects such as the Millennium simulation. Since the schedule is very tight, the chairs will be instructed to enforce time strictly.

We have allowed time in the programme for general discussion on large collaborative projects. These projects will be discussed more fully during the workshops on Thursday and Friday. We remind you that these workshops are intended for people already collaborating, or seriously considering collaborating on the large Virgo projects. If you do not fall in one of these categories, the Rijksmuseum in Amsterdam might be a more convivial location for these 2 days.

Finally, please let us know immediately if you have decided not to give a talk after all or if you are unhappy about the length we have allocated to you. Evidently, it is easier to shorten a talk than to lengthen it, but if you feel you really need a longer slot just let us know and we will see if we can do something about it.

We look forward to seeing you in Leiden on January!

Carlos and Joop

Programme

Monday Jan/15:

9:00 – 9:30 **Registration**

9:30 – 9:40 Introduction

Millennium Run projects (Chair: Joop)

9:40 – 10:00 Halo spins

Phil Bett

10:10 – 10:30 Galaxies-mass cross-correlations

Eric Hayashi

10:40 – 11:00 Lensing in the Millennium

Stefan Hilbert

11:10 – 11:25 Halo merger trees

John Helly

11:30 – 11:50 Millennium projects at MPA

Simon White

12:00 – 1:30 **Lunch + small group discussions**

Millennium + (Chair: Carlos)

1:30 – 2:30 The Millennium gas project

Frazer Pearce

The Millennium+gas+feedback project

Lorena Gazzola

The spine of the $L_X - T_X$ relation

Will Hartley

2:30 – 2:45 Getting rid of cusps

Chiara Tonini

2:50 – 3:05 Halo concentrations in WDM & CDM

Michael Busha

3:10 – 3:40 **Coffee**

3:40 – 4:00 Millennium data interface

Gerard Lemson

4:10 – 5:00 The Millennium future projects & data publication

all

5:00 – — **Wine & cheese party**

Tuesday Jan/16:

Galaxies (Chair: Peter)

9:00 – 9:20	Dwarf galaxies	Rob Crain
9:30 – 9:45	Satellite chemistry	Andrea Font
9:50 – 10:10	Galaxy formation: WMAP-3 vs WMAP-1	Wang Jie
10:20 – 10:50	Coffee	
10:50 – 11:10	Galaxy mergers	Ian McCarthy
11:20 – 11:35	Galaxy formation: it's a blast!	Serena Bertone
11:40 – 11:55	Semi-analytic vs SDSS galaxies	Bruno Henriques
12:00 – 1:30	Lunch + small group discussions	

Clusters & LSS (Chair: John)

1:30 – 1:50	Voids, etc	Joerg Colberg
2:00 – 2:20	Simulations of BAO	Raul Angulo
2:30 – 2:50	Self-regulated AGN heating in galaxy clusters	Deborah Sijacki
3:00 – 3:20	MHD in SPH	Klaus Dolag
3:30 – 4:00	Coffee	
4:00 – 4:10	Cluster Baryon fractions	Peter Thomas
4:15 – 4:35	Radiative transfer and reionization	A. Pawlik/J. Ritzerveld
4:45 – 5:00	X-ray studies of cluster evolution	Brian Nord
5:05 – 5:20	Simulation activity in Trieste	Stefano Borgani
5:25 – 5:40	Observing simulated clusters with XMM & Chandra	Elena Rasia
5:45 – 6:00	Simulating the ICM/IGM enrichment	Luca Tornatore

Wednesday Jan/17:

Stars and IGM (Chair: Frazer)

9:00 – 9:20	Primordial star formation	Naoki Yoshida
9:30 – 9:50	The Ly- α forest and dark matter at $z > 4$	Matteo Viel
10:00 – 10:20	The ionization of the IGM at $z \sim 6$	Jamie Bolton
10:30 – 11:00	Coffee	

New projects I

11:00 – 11:30	Aquarius: intro	Carlos, Volker, Julio Navarro
11:30 – 12:00	OWLS & Gimic: intro	Joop Schaye, Tom Theuns

12:00 – 1:30 **Lunch + small group discussions**

Code developments (Chair: Simon)

1:30 – 1:45	Moving in a FLASH	Nigel Mitchell
1:50 – 2:10	FLASH on DEISA	Gavin Pringle
2:20 – 2:40	Code comparison project	Riccardo Brunino
2:45 – 3:05	Initial conditions software	Adrian Jenkins
3:15 – 3:35	New gadgets ?	Volker Springel

3:45 – 4:15 **Coffee**

New projects II

4:15 – 5:15	OWLS & Gimic	Claudio dalla Vecchia Rob Wiersma Marcel Haas
5:15 – 5:45	Aquarius discussion	Alan Duffy all