

Virgo Consortium Meeting
Thursday-Friday 14-15/April/05
Max-Planck Institute for Astrophysics, Garching 9:30 am

Thursday: Millennium day

Most of the day will be spent talking about analyses of the Millennium Simulation (MS). In the morning, people working on the MS are invited to give a short description of their project. Speakers should just say what they are doing, what technical developments they have made and show any results if they have them. Technical problems that might need collective input can be flagged for the discussion session later on. Five minutes is ideal for these talks, ten would be pushing it.

9:30 – 9:45	Welcome	Carlos & Simon
9:45 – 10:00	Introduction to the Millennium Simulation	Volker
10:00 – 11:00	Millennium projects at MPA I	Darren, Eric, Gao, Stefan, Manfred
11:00 – 11:30	Coffee/tea	
11:30 – 12:30	Millennium projects at ICC I	John H, Geraint, Adrian, Carlos, Phil
12:30 – 2:00	Lunch	
2:00 – 4:00	Millennium projects not at MPA or ICC Millennium projects at MPA & ICC II	John Peacock, Joerg, others Tom, Raul, Angelo Jeremy, Wang Jie, Gabriella,
4:00 – 4:30	Coffee/tea	
4:30 – 5:00	Millennium gas run	Brendan & discussion
5:00 – 5:30	A large Lyman- α run?	Tom & discussion
7:00	Bavarian entertainment	all

Friday

Recent non-millenary science

9:15 – 9:30	Simulations of galaxy formation	Takashi
9:30 – 9:45	Simulations of galaxy clusters	Klaus
9:30 – 10:00	Other non-millennium recent work	TBA

Post-millennium programme

10:00 – 11:00	Millennium: external requests & discussion	all
11:00 – 11:30	Coffee/tea	
11:30 – 12:00	The 100 million particle halo	Julio/Volker/Carlos
12:00 – 12:30	DEISA	Gavin
12:30 – 2:00	Lunch	
2:00 – 3:30	Code development	
	Gadget	Volker
	Gadget vs Hydra	Frazer
	Magnetic fields	Lorena
	Cosmic rays and shock detection	Martin+Christoph
	Grid codes	Richard/Tom
	Lensing	TBA
	Semi-analytics	John H + TBA
3:30 – 4:00	VirtU, GAVO, etc I	Volker/Joerg/Gerard/JohnH
4:00 – 4:30	Coffee/tea	
4:30 – 5:15	VirtU, GAVO, etc II	all
5:15 – 5:30	Virgo Web pages	all
5:30	END	

Participants:

Raul Angulo

Andrew Benson

Phil Bett

Jermy Blaizot

Craig Booth

Richard Bower

Shaun Cole

Rob Crain

Darren Croton

Klaus Dolag

Carlos Frenk

Geraint Harker

Eric Hayashi

John Helly

Stefan Hilbert

Adrian Jenkins

Wang Jie

Martin Jubelgas

Manfred Kitzbichler

Gerard Lemson

Wang Lang

Gao Liang

Gabriella De Lucia

Ole Moeller

Angelo Neto

Takashi Okamoto

John Peacock

Frazer Pearce

Christoph Pfrommer

Gavin Pringle

Debora Sijacki

Volker Springel

Alex Szalay

Tom Theuns

Peter Thomas

Simon White

Virgo publications: 1997–

This list includes papers written by the Virgo consortium and associates making extensive use of Virgo data.

Refereed journals:

- Abadi M., Moore B. & Bower R.G. 1999. Ram pressure stripping of spiral galaxies in clusters, MNRAS, 308, 947.
- Bartelmann, M., Huss, A., Colberg, J. M., Jenkins, A., & Pearce, F. R. 1998. Arc statistics with realistic cluster potentials. IV. Clusters in different cosmologies, A&A, 330, 1.
- Benson, A.J., Cole, S., Frenk, C.S., Baugh, C. & Lacey, C. 2000a. The Nature of Galaxy Bias and Clustering, MNRAS, 311, 793.
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- Benson, A. J., Pearce, F. R., Frenk, C. S., Baugh, C. M. & Jenkins, A. 2001. A Comparison of Semi-Analytic and Smoothed Particle Hydrodynamics Galaxy Formation, MNRAS, 320, 261-280.
- Benson, A. J., Frenk, C. S., Baugh, C. M., Cole, S. & Lacey, C. G., 2001, The clustering evolution of the galaxy distribution, MNRAS, 327, 1041.
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- Colberg, J. M., White, S. D. M., MacFarland, T. J., Jenkins, A., Pearce, F. R., Frenk, C. S., Thomas, P. A. & Couchman, H. M. P. 2000. Peculiar Velocities of Galaxy Clusters, MNRAS, 313, 229.
- Colberg, J. M., White, S. D. M., Yoshida, N., MacFarland, T. J., Jenkins, A., Frenk, C. S., Pearce, F. R., Evrard, A. E., Couchman, H. M. P., Peacock, J. A. & Thomas, 2000, The Clustering of Clusters in CDM Universes, MNRAS, 319, 209.

- Colombi, S., Szapudi, I., Jenkins, A. & Colberg, J. M. 2000. Experimental Cosmic Statistics I : Variance, MNRAS, 313, 711.
- da Silva, A. C., Kay, S. T., Liddle, A. R., Thomas, P. A., Pearce, F. R. & Barbosa, D., 2001, The impact of cooling and heating on the Sunyaev-Zel'dovich effect, ApJ, 561, L15.
- da Silva, A. C., Kay, S. T., Liddle, A. R. & Thomas, P. A., 2003, Hydrodynamical simulations of the Sunyaev-Zel'dovich effect: cluster scaling relations and X-ray properties, MNRAS, 348, 1401.
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Non-Virgo papers making significant use of Virgo data

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- Baertschiger, T., Joyce, M. & Sylos Labini, F., 2002, Power-Law Correlation and Discreteness in Cosmological N-Body Simulations, Ap.J, 581, 63.
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- Hikage, C., Taruya, A., Suto, Y., 2003, Biasing and Genus Statistics of Dark Matter Halos in the Hubble Volume Simulation, PASJ, 55,2.
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