

**Virgo Consortium Meeting**  
**Thursday-Friday 30-31/Jul/15**  
**Institute for Computational Cosmology, Durham**  
<http://www.icc.dur.ac.uk>

*Almost all talks are 12+3 mins, a handful are 15+5. Please make sure you finish punctually so as to leave time for questions*

**Thursday 30th July**

**Small-scale structure**      *Chair: Joop*

09:15	–	09:20	Introduction	Carlos
09:20	–	09:35	News from the Local Group	Till Sawala
09:35	–	09:50	And more news about the Local Group	Julio Navarro
09:50	–	10:05	Dynamics of dwarf galaxies	Dave Campbell
10:05	–	10:20	Planes of satellite	Marius Cautun
10:20	–	10:35	Tidal dwarf galaxies	Sylvia Ploeckinger
10:35	–	10:50	What do we know about subhalos?	Jiaxin Han
10:50	–	11:05	Vertical structure of MW-like disks in simulations	Facundo Gomez
11:05	–	11:30	Coffee	

**Galaxies and halos**      *Chair: Joop*

11:30	–	11:50	Dark matter detection plus SWIFT update	Matthieu Schaller
11:50	–	12:05	Angular momentum of haloes in Illustris	Jolanta Krzyszkowska
12:05	–	12:25	COCO Warm and COCO Cold	Sownak/Wojtek
12:25	–	12:40	Halo structure	Aaron Ludlow
12:40	–	12:55	Modelling the ISM structure in dwarf galaxies	Chia-Yu Hu
12:55	–	2:00	<b>Lunch</b>	

**Galaxies, black holes & database**      *Chair: Simon*

2:00	–	2:15	Multiphase feedback in cosmological GF sims	Bernhard Roettgers
2:15	–	2:30	Chemodynamical evolution	Robert Grand
2:30	–	2:45	MHD in galaxy simulations	Rudiger Pakmor
2:45	–	3:15	Gigagalaxy: Introduction & discussion	Volker
3:15	–	3:50	<b>Coffee/tea</b>	
3:50	–	4:10	Irradiating pristine halos to grow direct collapse BHs	John Regan
4:10	–	4:25	Black holes	Richard Bower
4:25	–	4:35	The evolutionary impact of black holes in EAGLE	Stuart McAlpine
4:35	–	4:50	Anomalous BHs in EAGLE galaxies	Chris Barber
4:50	–	5:00	BH growth and GW signals in EAGLE	Jaime Salcido
5:00	–	5:20	Regularized black hole dynamics in GADGET-3	Peter H. Johansson
5:20	–	5:30	Short break	

**Virgo database**      *Chair: Simon*

5:30	–	5:45	SciServer infrastructure	Gerard Lemson
5:45	–	5:55	Virgo database	John Helly
5:55	–	6:30	Virgo database discussion	
7:30	–		<b>Dinner in Durham Castle</b>	all

**Friday 31th July**

**Physics and clusters**      *Chair: Volker*

9:30	–	9:45	The MACSIS project	Monique Henson
9:45	–	10:00	Update on the Eagle cluster zooms project	David Barnes
10:00	–	10:15	The Hydrangea project	Yannick Bahe
10:15	–	10:30	Mod lensing potentials: app to clusters and voids	Alex Barreira
10:30	–	10:45	SOPHISTICATE: a first update	Andreas Schmidt
10:45	–	11:00	Cooling models and L-Galaxies	Benoit Fournier
11:00	–	11:30	Coffee	

**Early universe/new techniques**      *Chair: Volker*

11:30	–	11:45	Reionization	Mahavir Sharma
11:45	–	12:00	Gal. formation in CDM & WDM in first billion years	Praktika Dayal
12:00	–	12:15	SEPARA - how to treat neutrinos correctly	Jascha Schewtschenko
12:15	–	12:30	The multiphase ISM in early-type galaxies	Max Eisenreich
12:30	–	12:45	Finding and interpreting shocks in cosmological sims	Kevin Schaal
12:45	–	1:00	Genetically modified galaxies	Nina Roth

1:00 – 2:15      **Lunch**

**Physics and clusters**      *Chair: Carlos*

2:15	–	2:30	Discussion: cluster projects	all
2:30	–	3:30	Discussion of new projects	all
		3:30	End	