

Monday 25 August 2014

- 0830 – 1000: Registration
- 1000 – 1015: Welcome

Introductory lecture (1)

- 1020 – 1050: Simon White (Munich) “Insights into galaxy formation from dwarf galaxies “

I. Observations of Dwarfs in the Local Group (6)

- 1050 - 1110: Thomas Brown (Baltimore): “The formation history of the Ultra-Faint dwarf galaxies”

1110-1140 COFFEE BREAK & Poster Session

- 1140-1210: Gisella Clementini (Bologna): “Variable stars and stellar populations in the new satellites of the Milky Way and M31”
- 1210-1230: Daniel Weisz (Santa Cruz): “Comparing the star formation Histories of the M31 and Milky Way satellites”
- 1230-1250: Maria-Rosa Cioni (Hertfordshire & Potsdam): “The VMC survey and the proper motion of the Magellanic Clouds”
- 1250-1310: Nicolas Martin (Strasbourg & Heidelberg): The PAndAS view of the Andromeda satellite system”

1310-1430 LUNCH BREAK

II. Baryons and galaxy formation on dwarf scales (8)

- 1430-1500: Alyson Brooks (Rutgers) “Why baryons matter in understanding dwarf galaxies”
- 1500-1520: Sebastian Trujillo-Gomez (Zurich) “The role of baryons in the evolution of dwarf galaxies in LCDM”
- 1520-1540: Kenza Arraki (NMSU): “Comparing the evolving properties of satellite and isolated dwarf galaxies“
- 1540-1600: Till Sawala (Durham) “Resimulations of Local Group Volumes”

1600-1630 COFFEE BREAK & Poster session

- 1630-1700: Laura Sales (Harvard): “Dwarfs structural properties: feedback and environmental effects”
- 1700-1720: Chris Brook (Madrid): “The stellar-to-halo mass relation for Local Group galaxies”
- 1720-1740: Qi Guo (Beijing) “Massive satellites around the Milky Way”

1800-1900: RECEPTION at the Great Refractor

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III. Spatial distribution of dwarfs in the Local Group (6)

- 0930-1000: Brent Tully (Hawaii): “Planar structures in the distribution of companion galaxies”
- 1000-1020: Rodrigo Ibata (Strasbourg) “Satellite correlations in the Local Group and beyond”
- 1020-1040: Marcel Pawlowski (Case Western) “Dwarf galaxy structures in the Local Group”
- 1040-1100: Hans-Walter Rix (MPIA): “Spatial distribution of dwarfs”

1100-1130 COFFEE BREAK & Poster session

- 1130-1200: Noam Libeskind (AIP) “The origin of preferred directions: the Local Group and velocity field”
- 1200-1230: Beth Willman (Haveford) “The number and distribution of Milky Way dwarfs”

IV. The environment of the Local Group (2)

- 1230-1250: Jaime Forero-Romero (Bogota) “The place of the Local Group in the cosmic web”
- 1250-1310: Wojciech Hellwing (Durham): “Subhaloes of Milky Way mass hosts in the cosmic web”

1310-1430 LUNCH BREAK

V. The Local Group in numerical simulations (4)

- 1430-1500: Stefan Gottlöber (AIP): “The CLUES Project”
- 1500-1520: Julio Navarro (Victoria): “Simulations of the Local Group”
- 1520-1540: Shea Garrison-Kimmel (Irvine): “ELVIS: Exploring the Local Volume in Simulations”
- 1540-1600: **POSTERS I**

1600-1630 COFFEE BREAK & Poster session

VI. Dwarf Galaxy evolution (3)

- 1630-1700: John Kormendy (Texas&MPE): “Structure and evolution of dwarfs galaxies”
- 1700-1720: Aaron Ludlow (Bonn): “The assembly history and structure of dark matter halos”
- 1720-1740: Coral Wheeler (Irvine): “The surprising inefficiency of dwarf satellite quenching”
- 1740-1800: Andrea Maccio (Heidelberg) “MaGICC dwarfs: The edge of galaxy formation”

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VII. Ancient dwarfs (2)

- 930-1000: Anna Frebel (MIT) “Segue 1, a surviving first galaxy”
- 1000-1020: Pascale Jablonka (EPFL) “The early days of the Sculptor dwarf spheroidal galaxy”

VIII. Streaming, smashing and stripping (6)

- 1020-1040: Raja Guhathakurta (UCSC) : “Disruption of Milky Way and Andromeda dwarf satellites”
- 1040-1100: Tony Sohn (STSI): “HST proper motions along stellar streams: constraining Milky Way parameters and dark halo shape”

1100-1130 COFFEE BREAK & Poster session

- 1130-1200: Kathryn Johnston (Columbia) “The SMHASH Survey -Assessing the history, current structure and future evolution of the Milky Way and its satellites.”
- 1200-1220: Giuseppina Battaglia (Canarias): “Investigating the formation of the Milky Way stellar halo”
- 1220-1240: Adam Bowden (Cambridge) “Probing the potential of the Milky Way with tidal streams”
- 1240-1300: Carlos Vera-Ciro (Madison): “The shape of the Milky Way”

1300-1430 LUNCH

IX. Density profiles on dwarf scales (4)

- 1430-1500: James Bullock (Irvine): “Forged in FIRE: cold dark matter cores in Low-Mass Dwarf Galaxies”
- 1500-1620: Arianna di Cintio (Madrid) “A mass-dependent density profile for dark matter haloes including the influence of galaxy formation”
- 1520-1640: Gerry Gilmore (Cambridge): “Chemical element limitations on feedback”
- 1540-1600: Matt Walker (Harvard): “Is there a cusp/core problem?”

1600-1630 COFFEE BREAK & Poster session

X. Dwarf spheroidals: internal characteristics (3)

- 1630-1700: Amina Helmi (Groningen) New insights on the dSph from orbit-based dynamical modeling
- 1700-1720: Mark Wilkinson (Leicester) “Internal and external feedback in dwarf spheroidal galaxies”
- 1720-1740: Ugur Ural (AIP): “Evolution of the dSphs: dynamical and chemical”

1900 CONFERENCE Dinner

Thursday 28 August 2014

XI. Dwarf galaxies and stellar haloes (4)

- 0930-1000: Alis Deason (Santa Cruz) "Touching the void: a striking drop in stellar halo density beyond 50 kpc"
- 1000-1020: Judy Cohen (Caltech): "Properties of the Milky Way Halo based on RR Lyrae"
- 1020-1040: Vasily Belokurov (Cambridge) "Streams, dwarfs, and the stellar Halo"
- 1040-1100: **POSTERS II**

1100-1130 COFFEE BREAK & Poster session

XII. Dwarf galaxies and reionization (4)

- 1130-1200: Mike Boylan-Kolchin (Maryland) "Reionization and the Local Group"
- 1200-1220: Ilian Iliev (Sussex) "Radiative feedback of the first objects and its effects on galaxy formation and the IGM"
- 1220-1240: Pierre Ocvirk (Strasbourg) "A hydro-radiative solution to the missing satellite problem?"
- 1240-1300: Alejandro Benitez-Llambay (Cordoba) "The imprint of reionization on the star formation histories of dwarf galaxies"

1300-1430 LUNCH BREAK

XIII. Dwarf galaxies and chemistry (4)

- 1430-1500: Else Starckenburg (Victoria) Galactic archaeology to its limits - Understanding the most pristine stars
- 1500-1520: Gabriele Cescutti (AIP) "Chemical signatures in dwarfs"
- 1520-1540: Kimm Venn (Victoria) "MOAO in the Galactic Centre"
- 1540-1600: Daniel Zucker (Macquaire) "Tracing the accretion history of the Milky Way through chemical tagging"

1600-1630 COFFEE BREAK & Posters session

1630-1740 Discussions

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XIV. Dynamical modeling of dwarfs galaxies (6)

- 930-0950: Matthias Steinmetz (AIP): "Dwarf encounters with the Milky Way as seen by RAVE"
- 0950-1120: Elena D'Onghia (Madisson) "Bending waves in galactic disks"
- 1020-1140: Tjitske Starkenburg (Groningen): "Imprints of dark satellites on dwarf galaxies"
- 1040-1100: Ewa Lokas (Warsaw) "Andromeda II as a merger remnant"

1100-1130 COFFEE BREAK & Posters session

- 1130-1200: Ivan Minchev (AIP) "Dynamical effect of dwarf satellites on the host's disk"
- 1200-1220: Jorge Peñarrubia (Edinburgh) "Dynamical modelling of the local cosmic expansion"

XV. Dwarfs galaxies beyond the Local group (2)

- 1220-1240: Simona Vegetti (MPA) "Inference of the cold dark matter substructure mass function at $z=0.2$ using strong gravitational lenses"
- 1240-1300: Erik Tollerud (Yale) "Faint dwarf galaxies beyond local group satellites"

1300-1430 LUNCH BREAK

XVI. Dwarf Galaxies as probes of dark matter and gravity (4)

- 1430-1500: Carlos Frenk (Durham): "Searching for the identity of the dark matter in the Local Group"
- 1500-1520: Jesus Zavala Franco (Copenhagen): "A self-interacting dark matter universe"
- 1520-1540: Vladimir Avila-Reese (Mexico City): "Simulations of galaxies formed in WDM halos of masses close to the damping scale"
- 1540-1600: Benoit Famaey (Strasbourg): "Dwarf galaxies of the Local Group as tests of gravity"

Concluding Remarks

Tour of the Einstein Tower.

Travel home