

CURRICULUM VITAE

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Work/Educational Background

08/2012–present	Dalhousie University	Professor in Astrophysics
06/2011–08/2012	University of Cambridge, IoA	Professor in Astrophysics
10/2007–05/2011	University of Cambridge, IoA	Reader, Associate Professor in Astrophysics
06/2006–10/2007	University of Victoria (6 months deferred for parental leave)	Adjunct assistant professor, Canadian Space Agency Fellow
06/2001–01/2006	California Institute of Technology	Senior Postdoctoral Fellow
05/1999–06/2001	Carnegie Observatories	Magellan Fellow
10/1996–09/1999	University of British Columbia	PhD, supervisors: Gordon Walker, Simon Morris “The nature of active galaxies”
09/1995–10/1996	University of British Columbia	MSc, supervisor: Gordon Walker “A precisely aligned CCD mosaic for astronomy”
09/1990–05/1995	University of British Columbia	BSc (Honours Physics/Math)
09/1988–05/1990	Van. Academy of Music/ Simon Fraser University	Diploma (violin performance, minor: philosophy)

Grants and Awards (totaling over US\$3mil)

2012	PI	CFI - Leaders Opportunity Fund (Dalhousie) 5 years
2012	PI	NSERC - Discovery grant (Dalhousie) 5 years
2012	PI	Dalhousie faculty startup grant
2009	Col	Cambridge, IoA Observational Rolling Grant “Obscured star formation at high- z ”
2008	PI	Spitzer research grant, cycle 5 GO, “IRS spectroscopy of SFRGs”
2008		Fellow of Sidney Sussex College, University of Cambridge
2006	Col	Chandra research grant, cycle 5 GO, “deep SSA22 in Xrays”
2006	PI	NSERC- Discovery grant (U.Victoria) 3 years
2005		Canadian Space Agency Fellowship (to UVic), (3 years)
2005	PI	Spitzer research grant, cycle 2 GO, “IRS spectroscopy of OFRGs”
2005	Col	Spitzer research grant, cycle 2 GO, “IRS spectroscopy of SMGs”
2005	Col	Spitzer research grant, cycle 2 GO, “The deepest radio field”
2004	PI	HST research grant, cycle 13 GO, “Morphology/Density at $z = 3$ ”
2004	Col	HST research grant, cycle 13 GO, “Metallicities in the M31 Halo”
2004	Col	GALEX research grant, cycle 1 GO, “Evolution of Ly α blobs”
2004	Col	Spitzer research grant, cycle 1 GO, “Mid-IR properties of SMGs”
2003	PI	HST research grant, cycle 12 GO, “Near-IR morphologies of SMGs”
2001	PI	HST research grant, cycle 10 GO, “UV morphologies of SMGs”
2001		Jansky Fellowship, 3 years (declined)
2000		AAS small research grant
1995–99		UBC Graduate Fellowship
1988–91		Vancouver Academy of Music, College program, Tuition Scholarship
1991		National Youth Orchestra of Canada Scholarship

Research and Technical Interests

Astronomy –

evolution of sub-mm and infrared galaxies; cosmology; CMB polarization; high- z star formation, the merger history of galaxies; fossil records in the local group;

Instrumentation –

TES-bolometer arrays, radio interferometers (ALMA/E-VLA/E-MERLIN); submm spectrographs; large mosaic detectors; adaptive optics and IR instruments; liquid mirror telescopes.

Teaching Experience

Dalhousie University

- 2012 – Nuclear and Particle Physics (senior undergrad course)

University of Cambridge, Institute of Astronomy

- 2007 – 2010; Stellar Structure and Evolution (Part-II astrophysics)
- 2010 –; Galaxies and Galaxy Evolution (Part-III astrophysics)

University of Cambridge, Sidney Sussex College

- 2008 – Applied Mathematics, Maths Tripos, director of studies.

Supervisor for Math Tripos courses:

- Ib-Quantum Mechanics;
- Ib-Statistics;
- Ia-Probability;
- Ia-Differential Equations

University of Victoria

- 2006 – The evolution of submillimetre galaxies (Graduate lecture course)

University of British Columbia - Astronomy Dept., Sept. 1995 - April 1998
faculty supervisors: Douglas Scott, Jaymie Mathews, Gordon Walker, Paul Hickson

- Outreach: coordinator for UBC public observing on rooftop telescope
- Teaching Assistant, Astr110 – Introduction to astronomy
- Teaching Assistant, Astr115 – Elementary astronomy
- Teaching Assistant, Astr462 – Astronomical observing
- Replacement Lecturer, Astr115 – Elementary astronomy
- Supplement Lecturer, Astr460 – Astronomical instrumentation

PhD Students Supervised

- Susannah Alaghband-Zadeh, current 4th yr PhD student, IoA Cambridge
- Colin Ross, current 2nd yr PhD student, Dalhousie University
- Peter Smith, current 1st yr MSc student, Dalhousie University
- Kaja Rotermund, starting MSc student, Dalhousie University
- Jennifer Beanlands, starting MSc student, Saint Marys University

Past PhD Students

- Caitlin Casey, graduated (2010) PhD; Gates scholar, IoA Cambridge
– currently Hubble Fellow, IfA Hawaii (also offered Jansky fellowship)
- Michelle Collins, graduating (2011) PhD, IoA Cambridge
– currently MPiA Fellow, Heidelberg, Germany (also offered Harvard Menzel fellowship; Super Science Fellow, Australia)
- Matt Bothwell, graduating (2011) PhD, IoA Cambridge
– currently postdoc at University of Arizona, Tucson (also offered Harvard SMA fellowship; NRAO fellowship)
- David Trethewey, graduated (2011) MSc, IoA Cambridge
- Kate Husband, graduated (2011) MSc/PartIII student, Physics Cambridge
– currently PhD student (Bristol), co-supervised by S.Chapman
- Allison Strom, graduated (2011) MPhil student and Gates scholar (2010), IoA Cambridge
– currently PhD student, Caltech.

Other Students Supervised

- Anna Sajina (1999), Summer Student, University of British Columbia (UBC), Canada
- Cameron Hummel (2002), 4th year honors project, Harvey Mudd, CA
- Thomas Greve (2003-2004), PhD Student, Edinburgh, UK
- Jonothan Bird (2003-2004), Caltech 4th year honors and postgrad research, Caltech, CA
- Christopher Lindner, Undergrad honors project, San Diego State U., CA
- Patrik Jonson, PhD Student, UCSC, CA (20% funded through Chapman's grants);
- Konstantin Fedotov, Coop Student, UVic, BC (Chapman NSERC grant funded);

Postdocs Hired

- Bruno Letarte, HST grants, 2008-2010, Caltech
- Manda Banerji, IoA rolling grant, 2010-2012, Cambridge
- Jorge Penarrubia, IoA rolling grant, 2009-2011, Cambridge
- Alex Tikhomirov, NSERC grant, 2012-, Dalhousie

Committees

2012–	SMA time allocation committee
2010–2012	Cambridge, appointments committee
2010	PhD External Examiner, Asa Bluck, Nottingham, UK
2009– 2011	Cambridge, Part-II astronomy, examination committee
2009– 2011	Cambridge, astronomy teaching committee
2009	PhD Internal Examiner, Steven Wilkins
2008–2011	INT/WHT time allocation committee
2007	PhD External Examiner, Agostina Renda, Swinburne, Australia
2006–2008	NRAO Users Committee
2006	NRAO "Legacy Projects", SOC

2005–2011 WFMOS-Subaru, Galactic archeology; design science team
 2006 HST time allocation committee, galaxies panel
 2004–present Scientific Advisory Committee, CCAT 25m Submm Telescope
 2004–present Scientific Advisory Committee, Caltech/JPL BLISS/SPICA 3.5m cold aperature, submm spectrograph
 2003–present DEEP2-EGS collaboration, head of 150hr VLA survey; committee member (1 of 8 co-PI's)
 Oct, 2004 Large Submillimetre Dishes, Royal Observatory Edinburgh
 Dec, 2003 The future of the IRAM Plateau de Bure
 task force to plan the role of IRAM in the era of ALMA
 June, 2003 Gemini new instrumentation, international committee, Aspen CO
 2000–2005 JCMT, Gemini and CFHT; Time Allocation Committees- referee
 2004–present Referee for Canadian, Dutch and UK faculty and postdoc grants
 2000–present Referee for scientific publications in ApJ, AJ, A&A, MNRAS

Invited Colloquia

UCLA colloquium	Oct 2000
Caltech, tea talk,	Oct 2000, Nov 2002, Dec 2005
Carnegie Observatories colloquium,	Mar 2001
University of Texas, Austin,	May 2001, Mar 2006
Institute for Astronomy, Hawaii,	July 2001, May 2011
Laurence Livermore National Lab	Sept 2001
Caltech, IR colloquium,	Dec 2001
Arizona State University, Tempe	Dec 2001, Feb 2003
NRAO, Socorro	May 2002
Johns Hopkins	May 2002
INAOE, Mexico	June 2002
IRAM, Grenoble, France	Oct 2002
U. C. Santa Barbara,	Nov 2002
U. C. Santa Cruz	Jan 2003, Feb 2004
Stanford	Jan 2003
Carnegie Mellon, Pittsburgh	April 2003
U. Kentucky, Lexington	May 2003
U. Durham	Sept 2003
Observatoire de Strasbourg	Dec 2003, Mar 2005, May 2008
McGill University	Jan 2004, Nov 2011
U. Colorado, Boulder	Feb 2004
U. Toronto	Mar 2004, Jan 2013
Yale	Mar 2004
Max Planck Astrophysik	April 2004
U. Victoria	April 2004, April 2005
MIT	Dec 2004
Penn State	Dec 2004
HIA/DAO	Jan 2005
UBC	Jan 2005, Sept 2006, Feb 2012
U. Michigan	Feb 2005
U. Lethbridge	Aug 2005
NRAO, Charlottesville	Oct 2005
UC San Diego	Nov 2005
McMaster U.	Jan 2006, Oct 2012
U. Waterloo	Jan 2006
UC Irvine	Feb 2006
Cambridge, IoA	Mar 2006, Oct 2007
Cambridge, DAMTP	Nov 2007
U. Nottingham	April 2008, January 2011
U. Sussex	May 2008, Nov 2011

Imperial College London	May 2008
U. Central Lancashire	May 2008
U. Birmingham	Feb 2009
Oxford	Oct 2008, May 2009
Cambridge, Cavendish	May 2009
Liverpool JMU	June 2009
Marseille, Laboratoire Astrophysique	Jan 2010
Zurich ETH	Oct 2010
Harvard, Theory Group	Oct 2010
U. Manchester	Oct 2010
Leiden	Dec 2010
Dalhousie University	Dec 2010
Munich Joint Astronomy Colloquium	Oct 2011
Saint Mary's University	Jan 2012
Harvard, CfA colloquium	Apr 2012
Cardiff U. colloquium	June 2012

Conference Invited Review Talks (contributed talks not listed)

Zermatt, Switzerland, Sept 2003	The evolution of submm galaxies
Venice, Italy, Oct 2003	The evolution of submm galaxies
Pasadena, USA, June 2004	Post-Spitzer: Observing high-redshift dusty galaxies
Aspen, CO, July 2004	The star formation properties of submm galaxies
Paris, France, Oct 2004	ALMA and cosmology
Ringberg, Germany, Nov 2004	The panorama of luminous, high- z galaxies
Japan, Tokyo Nov 2004	The evolution of submm galaxies
Moriand, IT, Mar 2005	From UV to FarIR
Aspen, CO, July 2005	AGN and black hole growth in submm galaxies
UC Santa Cruz, Aug 2005	NNG – A 60th birthday party conference for Blumenthal, Primack & Faber
Charlottesville, Jan 2006	ALMA and z-machines
Prague, CZ, Aug 2006	Evolution of Galaxies across the Hubble Time
Aspen, CO, Feb 2007	Clusters of submm galaxies
Caefelu, Sicily, Sept 2008	Extreme starbursts at high redshift
Assen, the Netherlands, June 2010	A New Golden Age for Radio Astronomy: "The evolution of microjansky radio sources"
Manchester, UK, Sept 2010	A new era in radio astronomy
Bonn, Germany, Sept 2010	High redshift galaxies with ALMA
Aspen, CO, Apr 2011	Evolution of submm galaxies
Boulder, CO, Sept 2012	CCAT high- z galaxies conference
Toronto, May 2013	Dunlap Observatory instrumentation conference: submillimeter instrumentation
Montreal, CRAQ, May 2013	ALMA observations of the South Pole Telescope lensed SMGs

Observing Experience on major telescopes

From 1996 to the present, I have observed extensively on the following facilities (in order of initial use):

DAO 1.2m & 1.8m (Victoria, Canada); CFHT (Hawaii); JCMT (Hawaii); Caltech Submm Observatory (Hawaii); UKIRT (Hawaii); Nobeyama 50m millimeter telescope (Japan); Dupont 100" (Las Campanas, Chile); Magellan 6.5m (Las Campanas, Chile); Gemini (Hawaii); Palomar 200" and 60" (California); Kitt Peak 4m (Arizona); Owens Valley Radio Observatory (California); VLA (New Mexico); BIMA (California); Keck 10m (Hawaii); HST (Space); XMM (Space); Subaru 8m (Hawaii); IRAM - Plateau de Bure (France); VLT (Chile); Chandra (Space); Spitzer (Space); Herschel (Space).

Instrumentation Research Experience

Dalhousie - July 2011 - Present.

- CCAT: XSpec, MOS-positioner development.
- CCAT: XSpec, SWCAM, LWCAM, detector development.
- POLARBeaR: Construction of FTS spectrograph for characterization of antenna-coupled TES bolometer arrays.
- POLARBeaR: Working on design for channelized TES bolometer for low resolution spectroscopy.
- POLARBeaR: Commissioning and observing with PB-1 in Chile.
- POLARBeaR-2: Working on dark and optical testing of PB-2 detectors.

Chicago - Submillimeter Instrumentation Group, Mar 2010 - Present,

- Co-I of SPT-SMG team to bring the *Zspec* submillimeter spectrograph to the APEX telescope, which was dedicated to followup of SPT-SMGs.

JPL/Caltech - Submillimeter Instrumentation Group, Sept 2003 - Present,

- working on concept design for a wide bandwidth submillimeter spectrograph (BLISS) for the SPICA 3.5m space telescope (to be launched in 2012).
- working with team of *Zspec* submillimeter spectrograph to move the instrument to IRAM-30m telescope, and as a test design for BLISS.
- SHARC-II 350 μ m camera, commissioning early data analysis

Carnegie Observatories - IR Astronomy Instrumentation Group, May 1999 - May 2001,

- design and commissioning of CIRSI-blue-box *H*-band survey camera
- worked with mechanics, electronics and cryogenics for CIRSI-blue-box, a 4 \times 1k \times 1k pixel nearIR mosaic camera
- worked on design for a multi-slit IR spectrograph for Magellan.

UBC - Astronomy Instrumentation Group, Nov. 1994 - Mar. 1999,
supervisors: Gordon Walker, Paul Hickson

- developed a novel technique for constructing flat, precisely aligned CCD mosaics (S.C.Chapman and G.S.Burley, UBC ILO invention disclosure (1995).)
- designed and built a mosaic CCD prototype camera to minimize errors associated with driftscanning on a zenith pointing telescope at high latitudes (6m liquid mercury mirror telescope): including cryogenics, mounting schemes, circuitry, controller modifications
- extensive photo-lithography experience, including lab and design work
- testing the mosaic prototype on the DAO 1.8m telescope in Victoria, BC
- involved with commissioning of the CFHT adaptive optics IFU spectrograph (OASIS) and the UKIRT infrared IFU spectrograph, including instrument mounting and throughput/alignment tests (PI on successful science proposals for both instruments)
- worked with G.Burley's CCD controller for a wavefront sensor based on DSP56002 and R.Johnson's CCD controller based on Am2910A

CFHT, Hawaii - supervisors: Doug Simons, Chris Clark, Apr. to Dec., 1993

- characterization, optimization, and modelling of the Rockwell 256 \times 256 IR array detector
- developed phase correction techniques for the Imaging Fourier Transform Spectrometer (BEAR)
- worked with CFHT GenIII controller (SDSU Leach-based) and associated DSP software
- modified existing GUI (Pegasis) software for the IR-array and CCD systems

BNR - (Bell Northern Research) supervisor: L.Tarof, Jan. to Sept., 1992

- designed an experiment to measure the ratio of ionization rates for electrons and holes in a newly designed Avalanche Photodiode Detector (APD)
- characterizing low-temperature behaviour of APD and high temperature semiconductor lasers

UBC - Fluid Dynamics group (B.Ahlborn), May to Sept, 1994

- designed a computer controlled apparatus to run a thrust generation experiment to simulate fish fast-start swimming
- designed analog circuits including amplifiers, strain gage, and position control circuitry

Main project/collaboration involvement

SHRUGS (2001–)	PI: S. Chapman (Spectroscopic characterization of High- z ULIRGs)
GOGS (2012–)	PI: S. Chapman (Galaxy Overdensity Gas Survey)
M31-AKAME (2002–)	PI: S. Chapman (Keck-DEIMOS spectroscopic survey in M31)
SouthPoleTelescope-SMG (2009–)	PI: J. Carlstrom/ J. Vieira; Chapman PI of VLT optical/IR followup
POLARBEAR (2010–)	PI: A. Lee
AEGIS-DEEP2/3 (2005–)	PI: S. Faber; Chapman PI of VLA radio survey (AEGIS-20)
5MUSES (2005–)	PI: G. Helou; Chapman PI of VLT followup to high- z sources
Herschel SPIRE Legacy Survey (2010–)	PI: A. Cooray; Chapman PI of high- z galaxies subgroup
HerMES (2009–)	PI: S. Oliver
Goods NICMOS Survey (GNS) (2007–)	PI: C. Conselice
SERVS (2008–)	PI: M. Lacy
MIGHTEE (2009–)	PI: M. Jarvis
NGVS (2007–)	PI: L. Ferrarese (Virgo cluster survey)
PAndAS (2007–)	PI: A. McConnachie (Pan Andromeda Archeology survey)
E-MERLIN LEGACY (2008–)	PI: T. Muxlow
SHADES (2005–)	PI: J. Dunlop
FLS-westerbork (2005–)	PI: S. Chapman (21cm deep radio survey in the Spitzer FLS collaboration)
LESS (2007–)	PI: I. Smail; 870um survey of CDF-S with LABOCA
SCUBA2 CLS (2010–)	PI: J. Dunlop
GAIA-VLT-Legacy survey	PI: G. Gilmore
IoA-KIAA/PKU Galactic Astro (2008–)	PI: N. Walton

Citation Analysis

The following citation analysis is based on data from NASA/ADS retrieved on 10/01/12:

- Refereed papers: 206, Citation count: 11435 (refereed: 9621)
- H-index: 61 • First author papers: 33, Citation count: 3294,
- Papers with > 200 citations: 10 *highlighted below* (with further 26 papers having > 100 citations).

- [670 citations] Chapman S.C., Blain A., Smail I., Ivison R., "A Redshift Survey of the Submillimeter Galaxy Population" 2005, ApJ, 622, 772
- [337 citations] Chapman S.C., Blain A., Ivison R., Smail I., "A median redshift of 2.4 for galaxies bright at submillimetre wavelengths," Nature, 2003, 422, 695
- [322 citations] Greve T., Bertoldi F., Smail I., Neri R., Chapman S.C., et al., "An interferometric CO survey of luminous submm galaxies," 2005, MNRAS, 359, 1165
- [316 citations] Lacy, M., Storrie-Lombardi, L. J., Sajina, A., Appleton, P., Armus, L., Chapman, S.C., et al., "Obscured and Unobscured Active Galactic Nuclei in the Spitzer Space Telescope First Look Survey," 2004, ApJS, 154, 166
- [310 citations] Tacconi, L. J.; Neri, R.; Chapman, S. C.; Genzel, R.; et al., "High-Resolution Millimeter Imaging of Submillimeter Galaxies," 2006, ApJ, 640, 228
- [300 citations] Tacconi, L. J., Genzel, R., Smail, I., Neri, R., Chapman, S., et al., "Submillimeter Galaxies at z 2: Evidence for Major Mergers & Constraints on Lifetimes, IMF and CO-H₂ Conversion Factor" 2008, ApJ, 680, 246
- [279 citations] Alexander, D. M.; Bauer, F. E.; Chapman, S. C.; Smail, I.; Blain, A. W.; Brandt, W. N.; Ivison, R. J. "The X-Ray Spectral Properties of SCUBA Galaxies", 2005, ApJ, 632, 736
- [255 citations] Davis M., et al., 'The All-Wavelength Extended Groth Strip International Survey (AEGIS) Data Sets', 2007, ApJ, 660, 1
- [252 citations] Coppin, K.; Chapin, E. L.; Mortier, A. M. J.; Scott, S. E.; Borys, C.; Dunlop, J. S.; Halpern, M.; Hughes, D. H.; Pope, A.; Scott, D.; Chapman, S., and 46 coauthors, 'The SCUBA Half-Degree Extragalactic Survey - II. Submillimetre maps, catalogue and number counts,' 2006, MNRAS, 372, 1621
- [200 citations] Iyata, R.; Martin, N. F.; Irwin, M.; Chapman, S.; Ferguson, A. M. N.; Lewis, G. F.; McConnachie, A. W. "The Haunted Halos of Andromeda and Triangulum: A Panorama of Galaxy Formation in Action" 2007, ApJ, 671, 1591

Other Contributions

- S.C.Chapman and G.S.Burley, "Technique for CCD mosaic fabrication," UBC ILO invention disclosure (1995).
- Review in *Nature*, "To a black hole and back again", Nature Physics 6, 556-557 (August 2010)
- Consultant for BBC documentary series, "The Universe", presented by Prof. Brian Cox, (2010-)

Full List of Publications - refereed

- [206] Chapman, S.C., Widrow L., et al., 'Dynamics in the satellite system of Triangulum: Is AndXXII a dwarf satellite of M33?' 2013, MNRAS, in press, arXiv1206.5730 tmp..586C
- [205] Bothwell, M. S.; Smail, Ian; Chapman, S. C.; et al., 'A survey of molecular gas in luminous sub-millimetre galaxies', 2013, MNRAS, arXiv1205.1511
- [204] Bellazzini, M.; Mucciarelli, A.; Iyata, R. A.; Sollima, A.; Dalessandro, E.; Chapman, S.; et al., 'The strange case of NGC2419: stellar populations, chemical composition, dynamics' 2013, MNRAS, in press
- [203] Iyata R., Lewis G., Conn A., Martin N., McConnachie A., Chapman S., et al., 'A Vast Thin Plane of Co-rotating Dwarf Galaxies Orbiting the Andromeda Galaxy, 2013 Nature, 493, 62
- [202] Iyata, R.; Nipoti, C.; Sollima, A.; Bellazzini, M.; Chapman, S. C.; Dalessandro, E. 'Do globular clusters possess dark matter haloes? A case study in NGC 2419' 2013 MNRAS, 428 3648

- [201] Cockcroft, R.; McConnachie, A. W.; Harris, W. E.; Ibata, R.; Irwin, M. J.; Ferguson, A. M. N.; Fardal, M. A.; Babul, A.; Chapman, S. C.; Lewis, G. F.; Martin, N. F.; Puzia, R. H. 'Unearthing foundations of a cosmic cathedral: searching the stars for M33's halo' 2013, MNRAS, 428, 1248
- [200] Lewis, Geraint F.; Braun, Robert; McConnachie, Alan W.; Irwin, Michael J.; Ibata, Rodrigo A.; Chapman, Scott C.; et al., 'PAndAS in the mist: The stellar and gaseous mass within the halos of M31 and M33' 2013, ApJ, 763, 4
- [199] Wardlow, Julie L. et al., (76 authors incl/ Chapman), 'HerMES: Candidate Gravitationally Lensed Galaxies and Lensing Statistics at Submillimeter Wavelengths', 2013, ApJ, 762, 59
- [198] Swinbank, A. M.; Karim, A.; Smail, Ian; Hodge, J.; Walter, F.; Bertoldi, F.; Biggs, A. D.; de Breuck, C.; Chapman, S. C.; et al., 'An ALMA survey of submillimetre galaxies in the Extended Chandra Deep Field-South: detection of [C II] at $z = 4.4$ ' 2013, MNRAS, 427, 1066
- [197] Casey, C. M.; Berta, S.; Bethermin, M.; Bock, J.; Bridge, C.; Budynkiewicz, J.; Burgarella, D.; Chapin, E.; Chapman, S. C.; et al., 'A Redshift Survey of Herschel Far-infrared Selected Starbursts and Implications for Obscured Star Formation' 2012, ApJ, 761, 140
- [196] Casey, C. M.; Berta, S.; Bethermin, M.; Bock, J.; Bridge, C.; Budynkiewicz, J.; Burgarella, D.; Chapin, E.; Chapman, S. C.; et al., 'A Population of $z > 2$ Far-infrared Herschel-SPIRE-selected Starbursts' 2012, ApJ, 761, 139
- [195] Mucciarelli, A.; Bellazzini, M.; Ibata, R.; Merle, T.; Chapman, S. C.; Dalessandro, E.; Sollima, A. 'News from the Galactic suburbia: the chemical composition of the remote globular cluster NGC 2419', 2012, MNRAS, 426, 2889
- [194] Michalowski, Micha? J.; Dunlop, J. S.; Ivison, R. J.; Cirasuolo, M.; Caputi, K. I.; Aretxaga, I.; Arumugam, V.; Austermann, J. E.; Chapin, E. L.; Chapman, S. C.; 'AzTEC half square degree survey of the SHADES fields - II. Identifications, redshifts and evidence for large-scale structure', 2012 MNRAS 426, 1845
- [193] Geach, J. E.; et al., 'The SCUBA-2 Cosmology Legacy Survey: blank-field number counts of 450um-selected galaxies and their contribution to the cosmic infrared background', 2012, mnras in press
- [192] Mauduit, J.-C.; et al., 'The Spitzer Extragalactic Representative Volume Survey (SERVS): Survey Definition and Goals (PASP, 124, 714, [2012])' 2012, PASP, 124, 1135
- [191] Aravena, M.; Carilli, C. L.; Salvato, M.; Tanaka, M.; Lentati, L.; Schinnerer, E.; Walter, F.; Riechers, D.; Smolci?, V.; Capak, P.; Chapman, S., et al., 'Deep observations of CO line emission from star-forming galaxies in a cluster candidate at $z=1.5$ ' 2012, mnras, 426, 258
- [190] Karim A., et al., 'An ALMA survey of submillimetre galaxies in the Extended Chandra Deep Field South: High resolution 870um source counts' 2012, MNRAS, in press
- [189] Vieira J., Marrone D., Chapman, S., et al., 'High-redshift, gravitationally lensed, dusty starbursts revealed by the South Pole Telescope and ALMA, 2013, Nature, in press
- [188] Riechers D., et al., 'Discovery of a luminous, submillimeter galaxy at $z=6.351$, 2013, Nature, in press
- [187] Matsumura, Tomotake; Ade, Peter; Arnold, Kam; Barron, Darcy; Borrill, Julian; Chapman, Scott; et al., 'POLARBEAR-2 optical and polarimeter designs' 2012, SPIE, 8452, 3
- [186] Coppin K., et al., 'Herschel-PACS observations of [OII]63um towards submillimetre galaxies', 2012, MNRAS, 427, 520
- [185] Harrison, C. M.; Alexander, D. M.; Swinbank, A. M.; Smail, Ian; Alaghband-Zadeh, S.; Bauer, F. E.; Chapman, S. C. et al., 'Energetic galaxy-wide outflows in high-redshift ultra-luminous infrared galaxies hosting AGN activity', 2012, MNRAS, 426, 1073
- [184] Conn A., et al., 'A Bayesian Approach to Locating the Red Giant Branch Tip Magnitude. II. Distances to the Satellites of M31, 2012, ApJ, 758, 11
- [183] Hilton, M.; Conselice, C. J.; Roseboom, I. G.; Burgarella, D.; Buat, V.; Berta, S.; Bethermin, M.; Bock, J.; Chapman, S. C.; et al., 'Herschel observations of a $z > 2$ stellar mass selected galaxy sample drawn from the GOODS NICMOS Survey' 2012, MNRAS, 425, 540
- [182] Greve et al., 'Submillimeter Observations of Millimeter Bright Galaxies Discovered by the South Pole Telescope' 2012, ApJ, 756, 101

- [181] Willner, S. P.; Ashby, M. L. N.; Barmby, P.; Chapman, S. C.; et al., 'A Fully Identified Sample of AEGIS20 Microjansky Radio Sources' 2012, ApJ, 756, 72
- [180] Alaghband-Zadeh, S., Chapman, S., et al., 'Integral Field Spectroscopy of $2.0 < z < 2.7$ high-redshift ULIRGs; gas morphologies and kinematics', 2012, MNRAS, 424, 2232
- [179] Conn, B., et al., 'Slicing the Monoceros Overdensity with SUPRIME-CAM' 2012, ApJ, 754, 101
- [178] Mauduit, J.-C.; et al., 'The Spitzer Extragalactic Representative Volume Survey (SERVS): Survey Definition and Goals' 2012, PASP, 124, 714
- [177] Tanvir N., Mackey, A. D.; Ferguson, A. M. N.; Huxor, A.; Read, J. I.; Lewis, G. F.; Irwin, M. J.; Chapman, S. et al., 'The structure of star clusters in the outer halo of M31', 2012, MNRAS, 422, 162
- [176] Ferrarese L., et al., 'The Next Generation Virgo Cluster Survey (NGVS). I. Introduction to the Survey', 2012, ApJS, 200, 4
- [175] Davidge, T., McConnachie, A. W.; Fardal, M. A.; Fliri, J.; Valls-Gabaud, D.; Chapman, S. C.; Lewis, G. F.; Rich, R. M., 'The Recent Stellar Archeology of M31 - The Nearest Red Disk Galaxy', 2012, AJ, arXiv1203.6081
- [174] Simpson, Chris; Rawlings, Steve; Ivison, Rob; Akiyama, Masayuki; Almaini, Omar; Bradshaw, Emma; Chapman, Scott; et al., Radio imaging of the Subaru/XMM-Newton Deep Field- III. Evolution of the radio luminosity function beyond $z = 1$, 2012, MNRAS, 21, 3060
- [173] Hickox R., et al., 'The LABOCA Survey of the Extended Chandra Deep Field South: Clustering of submillimetre galaxies', 2012, MNRAS, 421, 284
- [172] Bernard, Edouard J.; et al., 'The star formation history and dust content in the far outer disc of M31', 2012, MNRAS, 420, 2625
- [171] Magnelli, B., et al., 'A Herschel view of the far-infrared properties of submillimetre galaxies', 2012, A&A, 539, 155
- [170] Roseboom I., et al., 'HerMES study of MAMBO sources in the GOODS-N field', 2012, MNRAS, 419, 2758
- [169] Yang, Y., Decarli R., Dannerbauer H., Walter F., Weiss A., Leipski C., Dey A., Chapman S., 'Constraining Dust and Molecular Gas Properties in Ly Blobs at $z \sim 3$ ' 2012, ApJ, 744, 178
- [168] Ibata, R., et al., 'Polytropic model fits to the globular cluster NGC 2419 in Modified Newtonian Dynamics' 2011 ApJ, 743, 43,
- [167] G. A. Shields, D. J. Rosario, V. Junkkarinen, S. C. Chapman, E. W. Bonning, T. Chiba 'LBQS 0103-2753: A Binary Quasar in a Major Merger', 2012 ApJ, 744, 151
- [166] J.Afonso, Bizzocchi, E. Ibar, M. Grossi, C. Simpson, S. Chapman, et al., 'Ultra Steep Spectrum radio sources in the Lockman Hole: SERVS identifications and redshift distribution at the faintest radio fluxes', 2011, ApJ, 743, 122
- [165] Banerji, M., Chapman, S., Smail, Ian, et al., 'Luminous Starbursts in the Redshift Desert at $z = 1-2$: Star Formation Rates, Masses & Evidence for Outflows', 2011, MNRAS, 418, 1071
- [164] Mocz, Philip; Fabian, A. C.; Blundell, Katherine M.; Goodall, P. T.; Chapman, S. C.; Saikia, D. J., 'The inverse-Compton ghost HDF 130 and the giant radio galaxy 6C 0905+3955: matching an analytic model for double radio source evolution', 2011, MNRAS, 417, 1170
- [163] Riechers, ., et al., Dynamical Structure of the Molecular Interstellar Medium in an Extremely Bright, Multiply Lensed $z = 3$ Submillimeter Galaxy Discovered with Herschel, ApJ, 733, 12L
- [162] Ibata, R., et al., 'The Globular Cluster NGC 2419: A Crucible for Theories of Gravity' 2011 ApJ, 38, 186
- [161] Williamson, R.; Benson, B. A.; High, F. W.; Vanderlinde, K.; Ade, P. A. R.; Aird, K. A.; Andersson, K.; Armstrong, R.; Ashby, M. L. N.; Bautz, M.; Bazin, G.; Bertin, E.; Bleem, L. E.; Bonamente, M.; Brodwin, M.; Carlstrom, J. E.; Chang, C. L.; Chapman, S. C.; et al., 'An SZ-selected sample of the most massive galaxy clusters in the 2500-square-degree South Pole Telescope survey', 2011, ApJ, 738, 139
- [160] Scott, K., et al., Redshift Determination and CO Line Excitation Modeling for the Multiply-Lensed Galaxy HLSW-01 2011, ApJ, 733, 29
- [159] Collins, M., Chapman, S.C., Ibata, R., Irwin, M., et al., 'The kinematic identification of a thick disc in M31', 2011, MNRAS, 413, 1548

- [158] Conselice, C., et al., 'The Hubble Space Telescope GOODS NICMOS Survey: Overview and the Evolution of Massive Galaxies at $1.5 < z < 3$ ', MNRAS, 413, 80
- [156] Collins, M. L. M.; Chapman, S. C.; Rich, R. M.; Ibata, R. A.; Irwin, M. J.; Penarrubia, J.; Arimoto, N.; Brooks, A. M.; Lewis, G. F.; McConnachie, A. W.; Venn, K., 'The scatter about the "Universal" dwarf spheroidal mass profile: A kinematic study of the M31 satellites, And V and And VI', 2011, MNRAS, 417, 1170
- [155] Huxor, A. P.; Ferguson, A. M. N.; Tanvir, N. R.; Irwin, M. J.; Mackey, A. D.; Ibata, R. A.; Bridges, T.; Chapman, S. C.; Lewis, G. F., 'Exploring the properties of the M31 halo globular cluster system', 2011, MNRAS, 414, 770
- [155] Biggs, A. D.; Ivison, R. J.; Ibar, E.; Wardlow, J. L.; Dannerbauer, H.; Smail, Ian; Walter, F.; Weiss, A.; Chapman, S. C.; et al., 'The LABOCA survey of the Extended Chandra Deep Field South - radio and mid-infrared counterparts to submillimetre galaxies', 2011, MNRAS, 413, 2314
- [154] Hainline L., et al., 'The stellar mass content of submillimeter-selected galaxies', 2011, ApJ, 740, 96
- [153] Casey, C. M.; Chapman, S. C.; Neri, R.; Bertoldi, F., et al., 'Molecular Gas in Submillimetre-Faint, Star-Forming Ultraluminous Galaxies at $z > 1$ ', MNRAS, 415, 2723
- [152] Wardlow, J., et al., 'The LABOCA survey of the Extended Chandra Deep Field South: A photometric redshift survey of submillimetre galaxies', 2011, MNRAS, 415, 1479
- [151] Richardson, J. C.; Irwin, M.; McConnachie, A. W.; Martin, N. F.; Dotter, A.; Ferguson, A. M. N.; Ibata, R. A.; Chapman, S.; Lewis, G. F.; Tanvir, N. R.; Rich, R. M., 'PAndAS' progeny: extending the M31 dwarf galaxy cabal', 2011, ApJ, 732, 76
- [150] Ivison, R. J.; Papadopoulos, P. P.; Smail, Ian; Greve, T. R.; Thomson, A. P.; Xilouris, E. M.; Chapman, S. C., 'Tracing the molecular gas in distant submillimetre galaxies via CO(1-0) imaging with the EVLA', 2011 MNRAS, 412, 1913
- [149] Carlberg, R. G.; Richer, Harvey B.; McConnachie, Alan W.; Irwin, Mike; Ibata, Rodrigo A.; Dotter, Aaron L.; Chapman, Scott; Fardal, Mark; Ferguson, A. M. N.; Lewis, G. F.;+3, 'Density Variations in the NW Star Stream of M31', 2011, ApJ, 731, 124
- [148] Cockcroft, Robert; Harris, William E.; Ferguson, Annette M. N.; Huxor, Avon; Ibata, Rodrigo; Irwin, Mike J.; McConnachie, Alan W.; Woodley, Kristin A.; Chapman, Scott C.; Lewis, Geraint F.; Puzia, Thomas H., 'The M33 Globular Cluster System with PAndAS Data: the Last Outer Halo Cluster?', 2011, ApJ, 730, 112
- [147] Boselli, A.; Boissier, S.; Heinis, S.; Cortese, L.; Ilbert, O.; Hughes, T.; Cucciati, O.; Davies, J.; Ferrarese, L.; Giovanelli, R.; Haynes, M. P.; Baes, M.; Balkowski, C.; Brosch, N.; Chapman, S. C.; et al., 'The GALEX Ultraviolet Virgo Cluster Survey (GUViCS). I. The UV luminosity function of the central 12 sq. deg', 2011, A&A, 528, 107
- [146] Casey, C. M.; Chapman, S. C.; Smail, Ian; Alaghband-Zadeh, S.; Bothwell, M. S.; Swinbank, A. M., 'Spectroscopic Characterisation of 250um-Selected Hyper-Luminous Star Forming Galaxies', 2011 MNRAS, 411, 2739
- [145] Chapin, Edward L.; Chapman, Scott C.; Coppin, Kristen E.; Devlin, Mark J.; Dunlop, James S.; et al., 'A joint analysis of BLAST 250–500um and LABOCA 870um observations in the Extended Chandra Deep Field South', 2011 MNRAS, 411, 505
- [144] Chapman, S., Ivison, R., Roseboom, I., Oliver, S., et al., 'Herschel-SPIRE, Far-Infrared Properties of Millimetre-Bright and -Faint Radio Galaxies', 2010, MNRAS, 409, 13L
- [143] Engel, H.; Tacconi, L. J.; Davies, R. I.; Neri, R.; Smail, I.; Chapman, S. C.; et al., 'Most Submillimetre Galaxies are Major Mergers', 2010, ApJ, 724, 233
- [142] Collins, M. L. M.; Chapman, S. C.; Irwin, M. J.; et al., 'A Keck/DEIMOS spectroscopic survey of the faint M31 satellites And IX, And XI, And XII, and And XIII', 2010, MNRAS, 407, 2411
- [141] Coppin, K.; Chapman, S.C.; Smail, I.; Swinbank, M.; et al., 'Detection of molecular gas in a distant submillimetre galaxy at $z=4.76$ with ATC', 2010, MNRAS, 407, 103
- [140] Greve, T. R.; Weiss, A.; Walter, F.; Smail, I.; Zheng, X. Z.; Knudsen, K. K.; Coppin, K. E. K.; Kovacs, A.; Bell, E. F.; de Breuck, C., Chapman S., et al., 'A LABOCA survey of the Extended Chandra Deep Field South - submillimeter properties of near-IR selected galaxies', 2010, ApJ, 719, 483

- [139] Mackey D., et al., 'Evidence for an accretion origin for the outer halo globular cluster system of M31', 2010, ApJ, 717, L11
- [138] Swinbank, A.M., Smail, Ian, Chapman, S.C., et al., 'A Hubble Space Telescope NICMOS and ACS morphological study of $z \sim 2$ submillimetre galaxies', 2010, MNRAS, 405, 234
- [137] Bothwell, M., Chapman, S.C., et al., 'High-resolution CO and radio imaging of ULIRGs: extended CO structures and implications for the universal star formation law', 2010, MNRAS, 405, 219
- [136] Serjeant, S.; Negrello, M.; Pearson, C.; Mortier, A.; Austermann, J.; Aretxaga, I.; Clements, D.; Chapman, S. et al., 'The AGN fraction of submm-selected galaxies and contributions to the submm/mm-wave extragalactic background light', 2010, A&A, 514, 10
- [135] Coppin, K.; Pope, A.; Menndez-Delmestre, K.; Alexander, D. M.; Dunlop, J. S.; Egami, E.; Gabor, J.; Ibar, Edo; Ivison, R. J.; Austermann, J. E.; Chapman S.C., et al., 'Mid-infrared Spectroscopy of Candidate Active Galactic Nuclei-dominated Submillimeter Galaxies', 2010, ApJ, 713, 503
- [134] Lutz, D.; Mainieri, V.; Rafferty, D.; Shao, L.; Hasinger, G.; Wei, A.; Walter, F.; Smail, I.; Alexander, D. M.; Brandt, W. N.; Chapman S.C., et al., 'The LABOCA Survey of the Extended Chandra Deep Field South: Two Modes of Star Formation in Active Galactic Nucleus Hosts?', 2010, ApJ, 712, 1287
- [133] Mackey, A. D.; Ferguson, A. M. N.; Irwin, M. J.; Martin, N. F.; Huxor, A. P.; Tanvir, N. R.; Chapman, S. C.; et al., 'Deep Gemini/GMOS imaging of an extremely isolated globular cluster in the Local Group', 2010, MNRAS, 401, 533
- [132] Austermann, J. E.; Dunlop, J. S.; Perera, T. A.; Scott, K. S.; Wilson, G. W.; Aretxaga, I.; Hughes, D. H.; Almaini, O.; Chapin, E. L.; Chapman, S. C.; et al., 'AzTEC half square degree survey of the SHADES fields - I. Maps, catalogues and source counts', 2010, MNRAS, 401, 160
- [131] Letarte B., Chapman S., Martin N., Ibata R., Blain A., et al., 'A Keck/DEIMOS spectroscopic survey of the faint M31 satellites And XV AndVI' 2009, MNRAS, 400, 1472
- [130] Casey, C. M.; Chapman, S. C.; Daddi, E.; et al., 'A search for neutral carbon towards two $z = 4.05$ submillimetre galaxies, GN20 and GN20.2', 2009, MNRAS, 400, 670
- [129] Weiss, A., et al., 'The Large Apex Bolometer Camera Survey of the Extended Chandra Deep Field South', 2009, ApJ, 707, 1201
- [128] Lehmer, B. D.; Alexander, D. M.; Chapman, S. C.; et al., 'The Chandra Deep Protocluster Survey: point-source catalogues for a 400-ks observation of the $z = 3.09$ protocluster in SSA22', 2009, MNRAS, 400, 299
- [127] Martin, Nicolas F.; McConnachie, Alan W.; Irwin, Mike; Widrow, Lawrence M.; Ferguson, Annette M. N.; Ibata, Rodrigo A.; Dubinski, John; Babul, Arif; Chapman, S.C.; et al., 'PAndAS' CUBS: Discovery of Two New Dwarf Galaxies in the Surroundings of the Andromeda and Triangulum Galaxies', 2009, ApJ, 705, 758
- [126] Casey, C.M., Chapman, S.C., Beswick, R.J., Biggs, A.D., et al., 'Confirming a population of hot-dust dominated, star-forming, ultraluminous galaxies at high redshift', 2009, MNRAS, 399, 121
- [125] Chapman S. C., Casey C. M., 'Submillimetre detection of the $z = 2.83$ Lyman-break galaxy, Westphal MM8, and implications for SCUBA2', 2009, MNRAS, 398, 1615
- [124] McConnachie, Alan W.; et al., 'The remnants of galaxy formation from a panoramic survey of the region around M31', 2009, Nature, 461, 66
- [123] Keel, William C.; White, Raymond E.; Chapman, Scott; Windhorst, Rogier A., 'The Disappearance of Ly α Blobs: A Galex Search at $z = 0.8$ ', AJ, 138, 986
- [122] Richardson, J. C.; Ferguson, A. M. N.; Mackey, A. D.; Irwin, M. J.; Chapman, S. C.; Huxor, A.; Ibata, R. A.; Lewis, G. F.; Tanvir, N. R., 'An HST/ACS View of the Inhomogeneous Outer Halo of M31', 2009, MNRAS, 396, 1842
- [121] Collins, M. L. M.; Chapman, S. C.; Irwin, M.; Ibata, R.; Martin, N. F.; Ferguson, A. M. N.; Huxor, A.; Lewis, G. F.; Mackey, A. D.; McConnachie, A. W.; Tanvir, N., 'A spectroscopic survey of EC4, an extended cluster in Andromeda's halo', 2009, MNRAS, 396, 1619
- [120] Huang, J.-S.; Faber, S. M.; Daddi, E.; Laird, E. S.; Lai, K.; Omont, A.; Wu, Y.; Younger, J. D.; Bundy, K.; Cattaneo, A.; Chapman, S.C., et al., 'Infrared Spectrograph Spectroscopy and Multi-Wavelength Study of Luminous Star-Forming Galaxies at $z \sim 1.9$ ', 2009, ApJ, 700, 183

- [119] Geach, J. E.; Alexander, D. M.; Lehmer, B. D.; Smail, Ian; Matsuda, Y.; Chapman, S. C.; et al., 'The Chandra Deep Protocluster Survey: Ly α Blobs are Powered by Heating, Not Cooling', 2009, ApJ, 700, 1
- [118] Ibata, R., Bellazzini, M., Chapman, S.C., et al., 'Density and Kinematic Cusps in M54 at the Heart of the Sagittarius Dwarf Galaxy: Evidence for a $10^4 M_{\odot}$ Black Hole?', 2009, ApJ, 699, 169L
- [117] Hainline, Laura J.; Blain, A. W.; Smail, Ian; Frayer, D. T.; Chapman, S. C.; Ivison, R. J.; Alexander, D. M., 'A Mid-Infrared Imaging Survey of Submillimeter-Selected Galaxies with the Spitzer Space Telescope', 2009, ApJ, 699, 1610
- [116] Menndez-Delmestre, Karn; Blain, Andrew W.; Smail, Ian; Alexander, Dave M.; Chapman, Scott C.; Armus, Lee; Frayer, Dave; Ivison, Rob J.; Teplitz, Harry, 'Mid-Infrared Spectroscopy of Submillimeter Galaxies: Extended Star Formation in Massive High Redshift Galaxies', 2009, ApJ, 699, 667
- [115] Coppin K., et al., 'A submillimetre galaxy at $z = 4.76$ in the LABOCA survey of the Extended Chandra Deep Field-South', 2009, MNRAS, 395, 1905
- [114] Huxor, A.; Ferguson, A. M. N.; Barker, M. K.; Tanvir, N. R.; Irwin, M. J.; Chapman, S. C.; Ibata, R.; Lewis, G., 'The Discovery of Remote Globular Clusters in M33', MNRAS, 2009, ApJ, 698, 77
- [113] Fabian, A. C.; Chapman, S.; Casey, C. M.; Bauer, F.; Blundell, K. M., 'The extended X-ray emission around HDF130 at $z = 1.99$: an inverse Compton ghost of a giant radio source in the Chandra Deep Field-North', 2009, MNRAS, 395, 67
- [112] Casey, C., Chapman S., et al., 'Constraining star formation and AGN in $z \sim 2$ massive galaxies using high-resolution MERLIN radio observations', 2009, MNRAS, 295, 1249
- [111] Lehmer, B. D.; Alexander, D. M.; Geach, J. E.; Smail, Ian; Basu-Zych, A.; Bauer, F. E.; Chapman, S. C.; Matsuda, Y.; Scharf, C. A.; Volonteri, M.; Yamada, T., 'The Chandra Deep Protocluster Survey: Evidence for an Enhancement of AGN Activity in the SSA22 Protocluster at $z = 3.09$ ', 2009, ApJ, 691, 687
- [110] Chapman S. C., Blain A., Ibata R., Ivison R., Smail I., 'Do submillimetre galaxies really trace the most massive dark matter halos? Discovery of a high- z cluster in a highly active phase of evolution', 2009, ApJ, 691, 560
- [109] Koch, A.; Rich, R. M.; Reitzel, D. B.; Mori, M.; Loh, Y.-S.; Ibata, R.; Martin, N.; Chapman, S. C.; Ostheimer, J.; Majewski, S. R.; Grebel, E. K. Kinematic and chemical constraints on the formation of M31's inner halo structures 2008, ApJ, 689, 958
- [108] Chapman S. C., Neri, R.; Bertoldi, F.; Smail, Ian; Greve, T. R.; Trethewey, D.; Blain, A. W.; Cox, P.; Genzel, R.; Ivison, R. J.; Kovacs A., Omont A., 'Interferometric CO Observations of submillimeter-faint, radio-selected starburst galaxies at $z \sim 2$ ' 2008, ApJ, 689, 889
- [107] McConnachie A., Huxor, A., Martin N., Irwin M., Chapman S., et al., 'A trio of new Local Group galaxies with extreme properties', 2008, MNRAS, 688, 1009
- [106] Swinbank, A. M.; Lacey, C. G.; Smail, Ian; Baugh, C. M.; Frenk, C. S.; Blain, A. W.; Chapman, S. C.; Coppin, K. E. K.; Ivison, R. J.; Gonzalez, J. E.; Hainline, L. J., 'The properties of submm galaxies in hierarchical models', 2008, MNRAS.391..420
- [105] Chapman S., Martin N., Ibata R., Blain A., et al., 'The kinematic footprints of five stellar streams in M31's halo' 2008, MNRAS, 390, 1437
- [104] Bellazzini, M.; Ibata, R. A.; Chapman, S. C.; Mackey, A. D.; Monaco, L.; Irwin, M. J.; Martin, N. F.; Lewis, G. F.; Dalessandro, E., 'The nucleus of the Sagittarius dSph galaxy and M54: a window on the process of galaxy nucleation', 2008, AJ, 136, 1147
- [103] Clements, D. L.; Vaccari, M.; Babbedge, T.; Oliver, S.; Rowan-Robinson, M.; Davoodi, P.; Ivison, R.; Farrah, D.; Dunlop, J.; Shupe, Dave; and 39 coauthors, incl. S. Chapman "The SCUBA Half-Degree Extragalactic Survey (SHADES) - VIII. The Nature of Faint Submm Galaxies in SHADES, SWIRE and SXDF Surveys" 2008, MNRAS, 387, 247
- [102] Serjeant S., Dye, S.; Mortier, A.; Peacock, J.; Egami, E.; Cirasuolo, M.; Rieke, G.; Borys, C.; Chapman, S.C., "The SCUBA Half Degree Extragalactic Survey (SHADES) - IX. The environment, mass and redshift dependence of star formation", 2008, MNRAS, 386, 1907

- [101] Tacconi, L. J.; Genzel, R.; Smail, I.; Neri, R.; Chapman, S. C.; Ivison, R. J.; Blain, A.; Cox, P.; Omont, A.; Bertoldi, F.; and 10 coauthors, "Submillimeter Galaxies at $z \geq 2$: Evidence for Major Mergers & Constraints on Lifetimes, IMF and CO-H₂ Conversion Factor" 2008, *ApJ*, 680, 246
- [100] Richardson, J. C.; Ferguson, A. M. N.; Johnson, R. A.; Irwin, M. J.; Tanvir, N. R.; Faria, D. C.; Ibata, R. A.; Johnston, K. V.; Lewis, G. F.; McConnachie, A. W.; Chapman, S. C., "The Nature and Origin of Substructure in the Outskirts of M31. I. Surveying the Stellar Content with the Hubble Space Telescope Advanced Camera for Surveys", 2008, *AJ*, 135, 1998
- [100] Dye, Simon; Eales, S. A.; Aretxaga, I.; Serjeant, S.; Dunlop, J. S.; Babbedge, T. S. R.; Chapman, S. C., et al., "The SCUBA HALF Degree Extragalactic Survey (SHADES) - VII. Optical/IR photometry and stellar masses of sub-millimeter galaxies" 2008, *MNRAS*, 386, 1107
- [99] Alexander, D. M.; Brandt, W. N.; Smail, I.; Swinbank, A. M.; Bauer, F. E.; Blain, A. W.; Chapman, S. C.; Coppin, K. E. K.; Ivison, R. J.; Menendez-Delmestre, K. "Weighing the Black Holes in $z \geq 2$ Submillimeter-Emitting Galaxies Hosting Active Galactic Nuclei" 2008, *AJ*, 135, 1968
- [98] Coppin, K., Halpern, M.; Scott, D.; Borys, C.; Dunlop, J.; Dunne, L.; Ivison, R.; Wagg, J.; Aretxaga, I.; Battistelli, E.; and 17 coauthors, inc. S. Chapman "The SCUBA HALF Degree Extragalactic Survey (SHADES) – VI. 350 micron mapping of submillimetre galaxies," 2008, *MNRAS*, 384, 1597
- [97] Ibata, R.; Martin, N. F.; Irwin, M.; Chapman, S.; Ferguson, A. M. N.; Lewis, G. F.; McConnachie, A. W. "The Haunted Halos of Andromeda and Triangulum: A Panorama of Galaxy Formation in Action" 2007, *ApJ*, 671, 1591
- [96] Takagi, T.; Mortier, A. M. J.; Shimasaku, K.; Coppin, K.; Pope, A.; Ivison, R. J.; Hanami, H.; Serjeant, S.; Clements, D. L.; Priddey, R. S.; Chapman, S. C. +13 co-authors, "The SCUBA HALF Degree Extragalactic Survey (SHADES) - V. Submillimetre properties of near-infrared-selected galaxies in the Subaru/XMM -Newton deep field" 2007, *MNRAS*, 381, 1154
- [95] Martin N., Ibata R., Chapman S., Irwin M., Lewis G., 'A Keck/DEIMOS spectroscopic survey of faint Galactic satellites: searching for the least massive dwarf galaxies' 2007, *MNRAS*, 380, 281
- [94] Ivison, R. J.; Greve, T. R.; Dunlop, J. S.; Peacock, J. A.; Egami, E.; Smail, Ian; Ibar, E.; van Kampen, E.; Aretxaga, I.; Babbedge, T.; and 28 coauthors The SCUBA HALF Degree Extragalactic Survey - III. Identification of radio and mid-infrared counterparts to submillimetre galaxies 2007, *MNRAS*, 380, 199
- [93] Aretxaga, Itziar; Hughes, David H.; Coppin, Kristen; Mortier, Angela M. J.; Wagg, Jeff; Dunlop, James S.; Chapin, Edward L.; Eales, Stephen A.; Gaztaaga, Enrique; Halpern, Mark; and 21 coauthors The SCUBA Half Degree Extragalactic Survey - IV. Radio-mm-FIR photometric redshifts 2007, *MNRAS*, 379, 1571
- [92] Chapman S., Peñarrubia J., Ibata R., et al., "Strangers in the night: Discovery of a Dwarf Spheroidal Galaxy on Its First Local Group Infall," 2007, *ApJ*, 662, L79.
- [91] Ivison, R. J.; Chapman, S. C.; Faber, S. M.; Smail, Ian; Biggs, A. D.; Conselice, C. J.; Wilson, G.; Salim, S.; Huang, J.-S.; Willner, S. P. AEGIS20: A Radio Survey of the Extended Groth Strip 2007, *ApJ*, 660, 77L
- [90] Huang, J.-S.; Rigopoulou, D.; Papovich, C.; Ashby, M. L. N.; Willner, S. P.; Ivison, R.; Laird, E. S.; Webb, T.; Wilson, G.; Barmby, P.; and 9 coauthors AEGIS: Infrared Spectroscopy of an Infrared-luminous Lyman Break Galaxy at $z=3.01$ 2007, *ApJ*, 660, 69L
- [89] Le Floc'h, E.; Willmer, C. N. A.; Noeske, K.; Konidaris, N. P.; Laird, E. S.; Koo, D. C.; Nandra, K.; Bundy, K.; Salim, S.; Maiolino, R.; and 17 coauthors Far-Infrared Characterization of an Ultraluminous Starburst Associated with a Massively Accreting Black Hole at $z = 1.15$ 2007, *ApJ*, 660, 65L
- [88] Davis, M.; Guhathakurta, P.; Konidaris, N. P.; Newman, J. A.; Ashby, M. L. N.; Biggs, A. D.; Barmby, P.; Bundy, K.; Chapman, S. C.; Coil, A. L.; and 46 coauthors The All-Wavelength Extended Groth Strip International Survey (AEGIS) Data Sets 2007, *ApJ*, 660, 1
- [87] Lewis, G. F., Ibata, R. A., Chapman, S. C., McConnachie, A., Irwin, M. J., Tolstoy, E., Tanvir, N. R., 'Inside the whale: the structure and dynamics of the isolated Cetus dwarf spheroidal' 2007, *MNRAS*, 375, 1364
- [86] Segall, M., Ibata, R., Irwin, M.chael, Martin, N., Chapman, S. 'Draco, a flawless dwarf galaxy' 2007, *MNRAS*, 375, 831

- [85] Delmestre-Menendez, K., Blain, Andrew W.; Alexander, Dave M.; Smail, Ian; Armus, Lee; Chapman, Scott C.; Frayer, Dave; Ivison, Rob J.; Teplitz, Harry 'Mid-Infrared Spectroscopy of High Redshift Submillimeter Galaxies: First Results,' 2007, ApJ, 655, 65L
- [84] Chapman S.C., Ibata R., Lewis G., Ferguson A., Irwin M., Tanvir N., "A kinematically selected, metal-poor stellar halo in the outskirts of M31," 2006, ApJ, 653, 255
- [83] Ibata, R.; Chapman, S.; Irwin, M.; Lewis, G.; Martin, N. A near-zero velocity dispersion stellar component in the Canes Venatici dwarf spheroidal galaxy 2006, MNRAS, 373L, 70
- [82] Coppin, K.; Chapin, E. L.; Mortier, A. M. J.; Scott, S. E.; Borys, C.; Dunlop, J. S.; Halpern, M.; Hughes, D. H.; Pope, A.; Scott, D.; Chapman, S., and 46 coauthors, 'The SCUBA Half-Degree Extragalactic Survey - II. Submillimetre maps, catalogue and number counts,' 2006, MNRAS, 372, 1621
- [81] Takata, Tadafumi; Sekiguchi, Kazuhiro; Smail, Ian; Chapman, Scott C.; Geach, J. E.; Swinbank, A. M.; Blain, Andrew; Ivison, R. J. 'Rest-Frame Optical Spectroscopic Classifications for Submillimeter Galaxies,' 2006, ApJ, 651, 713
- [80] Martin, N. F.; Ibata, R. A.; Irwin, M. J.; Chapman, S.; Lewis, G. F.; Ferguson, A. M. N.; Tanvir, N.; McConnachie, A. W. 'Discovery and analysis of three faint dwarf galaxies and a globular cluster in the outer halo of the Andromeda galaxy,' 2006, MNRAS, 371, 1983
- [79] Hainline, L. J., Blain, A. W., Greve, T. R., Chapman, S. C., Smail, Ian, Ivison, R. J., 'Observing Cold Gas in Submillimeter Galaxies: Detection of CO (1- > 0) Emission in SMM J13120+4242 with the Green Bank Telescope,' 2006, ApJ, 650, 614
- [78] Kovacs, A., Chapman, S. C., Dowell, C. D.; Blain, A. W.; Ivison, R. J.; Smail, I.; Phillips, T. G. SHARC-2 350 μ m Observations of Distant Submillimeter-selected Galaxies 2006, ApJ, 650, 592
- [77] Swinbank, A. M.; Chapman, S. C.; Smail, Ian; Lindner, C.; Borys, C.; Blain, A. W.; Ivison, R. J.; Lewis, G. F., 'The link between submillimetre galaxies and luminous ellipticals: near-infrared IFU spectroscopy of submillimetre galaxies', 2006, MNRAS, 371, 465
- [76] McConnachie, Alan W.; Chapman, Scott C.; Ibata, Rodrigo A.; Ferguson, Annette M. N.; Irwin, Mike J.; Lewis, Geraint F.; Tanvir, Nial R.; Martin, Nicolas The Stellar Halo and Outer Disk of M33 2006, ApJ, 647, 25
- [75] Fadda, Dario; Marleau, Francine R.; Storrie-Lombardi, Lisa J.; Makovoz, David; Frayer, David T.; Appleton, P. N.; Armus, L.; Chapman, S. C.; Choi, P. I.; Fang, F.; and 11 coauthors 2006, AJ, 131, 2859
- [74] Martin N., Irwin M., Ibata R., Conn B., Lewis G., Bellazzini M., Chapman S., Tanvir N., "A radial velocity survey of low Galactic latitude structures - III. The Monoceros Ring in front of the Carina and Andromeda galaxies 2006, MNRAS, 367, 69
- [73] Tacconi, L. J.; Neri, R.; Chapman, S. C.; Genzel, R.; Smail, I.; Ivison, R. J.; Bertoldi, F.; Blain, A.; Cox, P.; Greve, T.; Omont, A. High-Resolution Millimeter Imaging of Submillimeter Galaxies 2006, ApJ, 640, 228
- [72] Ivison R., et al., "A robust sample of submillimetre galaxies: constraints on the prevalence of dusty, high-redshift starbursts," 2005, MNRAS, 364, 1025
- [71] Borys C., Smail I., Chapman S., Blain A., Alexander D., Ivison R., 'The Relationship between Stellar and Black Hole Mass in Submillimeter Galaxies' 2005, ApJ, 635, 853
- [70] Geach J., Matsuda Y., Smail Ian, Chapman S.C., Yamada T., Ivison R., Hayashino T., Ohta K., Shioya Y., Taniguchi Y., "A submillimetre survey of Lyman alpha haloes in the SA22 protocluster at z= 3.1," 2005, MNRAS, 363, 1398
- [69] Lacy M., Wilson G., Masci F., Storrie-Lombardi L., Appleton P., Armus L., Chapman, S.C., et al., "The Infrared Array Camera Component of the Spitzer Space Telescope Extragalactic First Look Survey," 2005, ApJS, 161, 41L
- [68] Ibata R., Chapman S.C., et al., "On the accretion origin of an extended, rapidly rotating disk in M31," 2005, ApJ, 634, 287
- [67] Mortier A., Serjeant S., Dunlop J., Scott S., ++ Chapman S.C., and 68 authors., The SCUBA Half-Degree Extragalactic Survey - I. Survey motivation, design and data processing," 2005, MNRAS, 363, 563
- [66] Chapman S.C., Ibata R., Lewis G., Ferguson A., Irwin M., McConnachie A., Tanvir N., "A Keck/DEIMOS kinematic survey of Andromeda-IX, probing the dark matter halo of the smallest of galaxies," 2005, ApJ, 632, 87L

- [65] Alexander D., Bauer F., Chapman S.C., Smail I., Blain A., Brandt N., Ivison R., "The X-Ray Spectral Properties of SCUBA Galaxies," *ApJ*, 2005, 632, 736
- [64] Ivison R., Smail I., Bentz M., Stevens J., Menndez-Delmestre K., Chapman S.C., Blain A., "Rest-frame optical and far-infrared observations of extremely bright Lyman-break galaxy candidates at $z \sim 2.5$," 2005, *MNRAS*, 362, 535
- [63] Chapman S.C., "Stellar streams and dark matter halos of luminous galaxies," 2005, *New Astronomy Reviews*, 49, 209
- [62] Greve T., Bertoldi F., Smail I., Neri R., Chapman S.C., Blain A., Ivison R., Genzel R., Omont A., Cox P., Tacconi L., Kneib J.-P., "An interferometric CO survey of luminous submm galaxies," 2005, *MNRAS*, 359, 1165
- [61] Coppin K., Halpern M., Scott D., Borys C., Chapman S.C., "An 850- μ m SCUBA map of the Groth Strip and reliable source extraction," 2005, *MNRAS*, 357, 1022
- [60] Lewis G., Chapman S.C., Helou G., "Modeling the evolution of infrared luminous galaxies: the influence of the Luminosity-Temperature distribution," 2005, *ApJ*, 621, 32
- [59] Swinbank A.M., Smail I., Bower R., Borys C., Chapman S., Blain A., Ivison R., Ramsay Howat S., Keel W., Bunker A., "Optical and Near-Infrared Integral Field Spectroscopy of the SCUBA Galaxy N2-850.4," 2005, *MNRAS*, 359, 401
- [58] Marsden G., Borys C., Chapman S., Halpern M., Scott D., "An upper limit to [CII] emission in a $z \sim 5$ galaxy," 2005, *MNRAS*, 359, 43
- [57] Chapman S.C., Blain A., Smail I., Ivison R., "A redshift survey of the submillimeter galaxy population," 2005, *ApJ*, 622, 772
- [56] Alexander D., Smail I., Bauer F., Chapman S., Blain A., Ivison R., Brandt N., "Rapid growth of black holes in massive star-forming galaxies," 2005, *Nature*, 434, 738
- [55] Swinbank M., Smail I., Chapman S.C., Blain A., Ivison R., Keel B., "The Rest-frame Optical Spectra of SCUBA Galaxies," 2004, *ApJ*, 617, 64
- [54] Smail I., Chapman S.C., Blain A., Ivison R., "The Rest-Frame Optical Properties of SCUBA Galaxies," 2004, *ApJ*, 616, 71
- [53] Chapman S.C., Smail I., Blain A., Ivison R., "A population of hot, hyper-luminous galaxies at redshift two," 2004, *ApJ*, 614, 671
- [52] Borys, C., Scott, D., Chapman, S.C., Halpern, M., Pope, A., Nandra, K., "The HDF-North SCUBA Super-map II: Multi-wavelength properties," 2004, *MNRAS*, 355, 485
- [51] Borys, C., Chapman, S.C., Donahue, M., Fahlman, G., Halpern, M., Kneib, J.-P., Newbury, P., Scott, D., Smith, G., "The nature of a gravitationally lensed sub-millimetre arc in MS0451.6-0305: two interacting galaxies at $z \sim 2.9$?" 2004, *MNRAS*, 352, 759
- [50] Lacy, M., Storrie-Lombardi, L. J., Sajina, A., Appleton, P., Armus, L., Chapman, S.C., et al., "Obscured and Unobscured Active Galactic Nuclei in the Spitzer Space Telescope First Look Survey," 2004, *ApJS*, 154, 166
- [49] Appleton, P. N., et al., + Chapman, S.C., "The Far- and Mid-Infrared/Radio Correlations in the Spitzer Extragalactic First Look Survey," 2004, *ApJS*, 154, 147
- [48] Frayer, D.T., Chapman, S.C., Yan, L., Armus, L., Helou, G., Fadda, D., Morganti, R., et al., "Infrared Properties of Radio-selected Submillimeter Galaxies in the Spitzer First Look Survey Verification Field," 2004, *ApJS*, 154, 137
- [47] Yan, L., et al. + Chapman, S.C., "Spitzer 24 Micron Observations of Optical/Near-Infrared-Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at $z \sim 1-2$?" 2004, *ApJS*, 154, 75
- [46] Marleau, F., Fadda, D., Storrie-Lombardi, L., Helou, G., Makovoz, D., Frayer, D., Yan, L., Appleton, P., Armus, L., Chapman, S.C., and 11 coauthors, "Extragalactic Source Counts at 24 Microns in the Spitzer First Look Survey," 2004, *ApJS*, 154, 66
- [45] Yan, L., et al. + Chapman, S.C., "Characterization of Extragalactic 24 Micron Sources in the Spitzer First Look Survey," 2004, *ApJS*, 154, 60
- [44] Lewis, G., Ibata, R., Chapman, S.C., Ferguson, A., McConnachie, A., Irwin, M., Tanvir, N., "The Andromeda Stream," 2004, *PASA*, 21, 203

- [43] Chapman S.C., Smail I., Windhorst R., Muxlow T., Ivison R., "Evidence for extended, obscured starbursts in submillimeter galaxies," 2004, ApJ, 611, 732
- [42] Blain, A., Chapman, S.C., Smail, I., Ivison, R., "The clustering of submillimeter galaxies," 2004, ApJ, 611, 725
- [41] Blain, A., Chapman, S.C., Smail, I., Ivison, R., "The temperature-luminosity plane, implications for SIRTf" 2004, ApJL, 611, 52
- [40] McConnachie, A. W., Irwin, M. J., Lewis, G. F., Iwata, R. A., Chapman, S. C., Ferguson, A. M. N., Tanvir, N. R., "The tidal trail of NGC 205?" 2004, MNRAS, 351, 94L
- [39] Iwata R., Chapman S.C., Ferguson A., Irwin M., Lewis G., McConnachie A., "Taking measure of the Andromeda halo: a kinematic analysis of the giant stream surrounding M31," 2004, MNRAS, 351, 117
- [38] Bower R., Morris S., Bacon R., Wilman R., Sullivan M., Chapman S.C., Daview R., de Zeeuw P., + SAURON team, "Deep SAURON spectral-imaging of the diffuse Lyman-alpha halo LAB1 in SSA22," 2004, MNRAS, 351, 63
- [37] Chapman S.C., Scott D., Windhorst R., Frayer D., Borys C., Lewis G., "Further multiwavelength observations of the SSA22 Ly α emitting blob," 2004, ApJ, 606, 85
- [36] Zemcov M., Halpern M., Borys C., Chapman S.C., Holland W., Pierpaoli E., Scott D., "Measurement of the Sunyaev-Zel'dovich Increment in Massive Galaxy Clusters," 2004, MNRAS, 346, 1179
- [35] Neri R., Genzel R., Ivison R., Bertoldi F., Blain A., Chapman S.C., Cox P., Greve T., Omont A., Frayer D., "Interferometric Observations of Powerful CO Emission from the three Submillimeter Galaxies at $z=2.30$, 2.51 and 3.35 ," 2003, ApJL, 597, 113
- [34] Lewis G., Chapman S.C., Kuncic Z., "Submillimeter Observations of a Sample of Broad Absorption Line Quasars," 2003, ApJL, 596, 35
- [33] Conselice C., Chapman S.C., Windhorst R., "Evidence for a major merger origin of high-redshift submillimeter galaxies," 2003, ApJL, 596, 5
- [32] Chapman S.C., Windhorst R., Odewahn S., Yan H., Conselice C., "Hubble Space Telescope images of submillimeter sources: large, irregular galaxies at high redshift," 2003, ApJ, 599, 92
- [31] Borys C., Chapman S.C., Halpern M., Scott D., "The Hubble Deep Field North SCUBA Super-map - I. Submillimetre maps, sources and number counts," 2003, MNRAS, 344, 385
- [30] Sajina A., Borys C., Chapman S., Dole H., Halpern M., Lagache G., Puget J.-L., Scott D., "Submillimetre and near-infrared observations of galaxies selected at $170\mu\text{m}$," 2003, MNRAS, 343, 1365
- [29] Smail Ian, Chapman S.C., Ivison R.J., Blain A.W., Takata T., Heckman T.M., Dunlop J.S., Sekiguchi K., "A vigorous starburst in the SCUBA galaxy N2 850.4," 2003, MNRAS, 342, 1185
- [28] Price P., + 13 Authors, incl. Chapman S.C., "The bright optical afterglow of the nearby gamma-ray burst of 29 March 2003," 2003, Nature, 423, 844
- [27] Chapman S.C., Helou G., Lewis G., Dale D., "The local luminosity function, bivariate in L_{TIR} and S_{60}/S_{100} ," 2003, ApJ, 588, 186
- [26] Chapman S.C., Blain A., Ivison R., Smail I., "A median redshift of 2.4 for galaxies bright at submillimetre wavelengths," Nature, 2003, 422, 695
- [25] Yan H., Windhorst R., Rttgering H., Cohen S., Odewahn S., Chapman S.C., Keel W., "The Infrared Counterparts of the Optically Unidentified Chandra Deep Field-South 1 Ms Sources," 2003, ApJ, 585, 67
- [24] Chapman S.C., Barger A., Cowie L., Scott D., Borys C., Lewis G., Richards E, Steffan A., Wilson G., "The properties of microJansky radio sources in the HDF, SSA13 and SSA22 fields," 2003, ApJ, 585, 57
- [23] Blain A., Barnard V., Chapman S.C., "Submm and far-IR SEDs of galaxies: the luminosity-temperature relation and consequences for photometric redshifts" 2003, MNRAS, 338, 733
- [22] Chapman S.C., Smail I., Ivison R., Blain A., "The effect of lensing on the identification of submillimetre galaxies," 2002, MNRAS 335, 17
- [21] Chapman S.C., Smail I., Ivison R., Helou G., Dale D., Lagache G., "Optically faint counterparts to the ISO-FIRBACK population: the discovery of cold, luminous galaxies at high redshift," 2002, ApJ, 573, 66

- [20] Chapman S.C., Shapley A., Steidel C., Windhorst R., "HST imaging of West-MMD11 – a sub-mm luminous Lyman-break galaxy at $z = 2.99$," 2002, ApJL, 572, 1
- [19] Chapman S.C., Lewis G., Scott D., Borys C., Richards E. "Understanding the nature of optically faint radio galaxies, and their connection to the sub-mm population," 2002, ApJ, 570, 557
- [18] Turner J., Allington-Smith J. Chapman S.C., Content R., Done C., Haynes R., Lee D., Morris S., "The origin of [Feii] emission in NGC4151," 2002, MNRAS, 331, 284
- [17] Borys C., Chapman S.C., Scott D., Halpern M., "A SCUBA Raster-scan of the Hubble Deep Field: the bright end of the source counts" 2002, MNRAS, 330, 63L
- [16] Chapman S.C., Scott D., Borys C., Fahlman G.G., "Sub-mm sources in rich cluster fields - source counts and redshift limits," 2002, MNRAS, 330, 92
- [15] Chapman S.C., Richards E., Lewis G., Wilson G., Barger A., "The nature of bright submillimeter selected galaxies," 2001, ApJL, 548, 147
- [14] Chapman S.C., Lewis G., Scott D., Richards E., Borys C., Adelberger K., Shapley A., Steidel C., "Sub-mm imaging of a proto-cluster region at $z=3.09$," 2001, ApJL, 548, 17
- [13] Chapman S.C., Morris S., Walker G.A.H., "Discovery of spiral structure in NGC 3227 using adaptive optics," 2000, MNRAS, 319, 666
- [12] Chapman S.C., Scott D., Steidel C., Borys C., et al., "A search for the submillimetre counterparts to Lyman-break galaxies," 2000, MNRAS, 319, 318
- [11] Lewis G., Chapman S.C., "Sub-mm detection of Hawaii 167" 2000, MNRAS, 318L, 31
- [10] Chapman S.C., McCarthy P., Persson S.E., "Radio galaxy selected galaxy clusters at high redshift and associated extremely red object overdensities", 2000, AJ, 120, 1612
- [9] Scott D., Lagache G., Borys C., Chapman S.C., et al., "First detections of FIRBACK sources with SCUBA," 2000, A&A, 357, 5L
- [8] Chapman S.C., Alonso-Herrero A., Morris S., Falcke H., "Adaptive optics near-IR imaging of NGC 2992 - unveiling core structures related to radio figure-8 loops," 2000, MNRAS, 314, 263
- [7] Chapman S.C., Scott D., Lewis G., Borys C., Fahlman G.G., "B1933+503, a dusty radio quasar at $z>2$: implications for blank field sub-mm surveys?," 1999, A&A, 352, 406
- [6] Haynes R., Lee D., Allington-Smith J., [+9 authors], Chapman S.C., "Multiple object and integral field near-infrared spectroscopy using fibers," 1999, PASP, 343, 344
- [5] Borys C., Chapman S.C., Scott D., "CMB fluctuations at $850\mu\text{m}$ with deep SCUBA maps," 1999, MNRAS, 308, 527
- [4] Lewis G., Chapman S.C., Iбата R., Irwin M.J., Trotten E.J., "Submillimeter Observations of the Ultraluminous BAL Quasar APM 08279+5255," 1998, ApJL, 393, 13
- [3] Chapman S.C., Burley G.S., Walker G.A.H., Parameswaran A., "Semiconductor lithography for alignment of Mosaic CCD cameras," 1997, IEEE transactions on components technology, 342, 1121
- [2] Ahlborn B., Chapman S.C., Blake R., Harper H., "Experimental simulation of the thrust phases of fish fast-start swimming," 1997, J.Experimental Biology, 200, 2301
- [1] Burley G.S., Chapman S.C., Walker G.A.H., Parameswaran A., "A precisely aligned CCD Mosaic," 1996, PASP, 221, 177

Conference Presentations

Chapman S., 'molecules in galaxies', Oxford, UK, July10, **contributed talk**

Chapman S., 'Mass and Mystery in the Local Group', Cambridge, England, July05, **contributed talk** 'The metal poor halo of M31'

Chapman S., 'Island Universes', Terschelling, Holland, July05, **contributed talk** 'The accretion origin to an extended, rotating disk in M31'

Chapman S., 'merging galaxies', Ringberg Castle, Germany, Nov04, **invited review talk** 'The evolution of submm luminous galaxies'

Chapman S., 'The Dusty and Molecular Universe A Prelude to HERSCHEL and ALMA', Paris, France, Oct04, **invited review talk** 'ALMA and cosmology'

Chapman S., 'star formation', Aspen, CO, July04, **invited participant**

Chapman S., 'From Spitzer to Herschel and Beyond: The Future of Far-IR Space Astrophysics', Pasadena, CA, June04, **invited review talk**

Chapman S., 'Galaxy Formation, a Herculean endeavor', Banff, Canada, Nov03, 'The redshifts, astrophysics, masses and clustering of submm galaxies', 'Andromeda: the Milky Way's slimmer sister?', **invited talks**

Chapman S., et al., 'Multi-wavelength through time', Venice, Italy, Oct03, 'A spectroscopic survey of the submm galaxies', **invited review talk**

Chapman S., et al., 'Dust and gas', Zermatt, Switzerland, Sept03, 'A spectroscopic survey of the submm galaxies', **invited talk**

Chapman S., 'galaxy clusters', Pasadena, USA, Feb03, 'the SSA22 proto-cluster', contributed talk.

Chapman S., et al., 'Star formation through history', Granada, Spain, Oct02, 'The redshift distribution of submm galaxies', contributed talk.

Chapman S., et al., 'Infrared surveys', Edinburgh, UK, Sept02, 'The redshift distribution of submm galaxies', contributed talk.

Chapman S., et al., 'Millimeter cosmology', Puebla, MX, June02, 'The redshift distribution of submm galaxies', contributed talk.

Chapman S., et al., 'Galaxy Evolution', Cozumel, MX, Apr02, 'The redshift distribution of submm galaxies', contributed talk.

Chapman S., et al., 'Dark Matter 2002', Marina Del Rey, CA, Feb02, "The Mass of Dark Matter Halos Associated with Sub-mm Luminous Galaxies", contributed talk.

Chapman S., et al., 'A new era in cosmology', Durham, UK, Sept01, "Modeling the evolution of sub-mm galaxies", contributed talk.

Chapman S., et al., AAS, Pasadena, CA, June01, "Modeling the evolution of sub-mm galaxies"

Chapman S., et al., 'Deep Submm Surveys', Amherst MA, June00, "Sub-mm counterparts to Lyman-break galaxies with red $R - K$," *astroph/0009152*

Borys C., Chapman S., et al., 'Deep Submm Surveys', Amherst MA, June00, "The brighter side of sub-mm source counts: a SCUBA scan-map of the Hubble Deep Field," *astroph/0009143*

Scott D., Chapman S., et al., 'Deep Submm Surveys', Amherst MA, June00, "Known and unknown SCUBA sources," *astroph/0010337*

Chapman S., 'Science with ALMA', Washington D.C., Oct.99, "The sub-mm counterparts to Lyman-break galaxies"

Chapman S., 'Photometric Redshifts', Pasadena CA, April99, "High redshift astronomy in the sub-mm", p.309

Walker G., Chapman S., et al. 'Science with Adaptive Optics', Garching, Germany, Sept.98, "Shades of Black: searching for brown dwarfs"

Chapman S., et al. 'Science with Adaptive Optics', Garching, Germany, Sept.98, "The Core Structure of AGN: Perils of Adaptive Optics Artifacts"

Chapman S., et al. CFHT users meeting, May.98, "A multi-wavelength analysis of NGC 3227", to appear in proceedings

Hickson, P., Borra, E.F., Cabanac, R., Chapman, S.C., et al., 1998, SPIE, 3352, 226 "A 6 meter Liquid Mirror Telescope",

Chapman S. et al. Northwest Cosmology meeting, Squamish BC, Aug.97:, "Missing molecular gas in cooling flow clusters"

Chapman S., Burley G., Walker G., SPIE, Mar.97, Electronic Imaging, "First results with UBC 3Kx3K mosaic camera", in proceedings of SPIE vol.2344

Chapman S., Hickson P., 'Cosmology the big picture', Baffin Island, Canada, Aug.96, "Large-Scale structure surveys with the UBC 6 meter liquid mirror telescope"

C.C.Clark, D.Simons, D.Mckenna, S.Chapman, C.Hunter, SPIE, 1993, "Characterization and Optimization of the CHFT Redeye camera", in proceedings of SPIE vol.1946

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