

## Positions Held:

Jul 1993 - present	Full Professor, The Johns Hopkins University
Jul 1990 - Jun 1993	Associate Professor, The Johns Hopkins University
Jan 1988 - Jun 1990	Assistant Professor, The Johns Hopkins University
Aug 1986 - Jan 1988	University of California President's Fellow, UC Berkeley
Jan - July 1986	Postdoctoral Fellow, Space Telescope Science Institute
Aug - Dec 1985	University of California President's Fellow, UC Berkeley
Sep 1983 - Jul 1985	Parisot Postdoctoral Fellow at UC Berkeley
Sep 1982 - Aug 1983	Lindemann Fellow of the English Speaking Union of the Commonwealth; Princeton University and UC Berkeley

## Education

- 1978-82: University of Cambridge, Institute of Astronomy.  
Degree : Ph.D. (Supervisor : Bernard Jones); awarded April 1983.
- 1977-78: University of Cambridge, Department of Applied Mathematics.  
Degree : Part Three of the Mathematics Tripos (with Distinction).
- 1974-77: University of London, Queen Mary College, Physics Department.  
Degree : B.Sc (First Class Honours) in Physics with Astrophysics.

## Prizes & Honors

- 2017
- Elected Fellow of the American Physical Society
- 2016:
- Elected Fellow of the American Association for the Advancement of Science
  - Dirk Brouwer award from the Division of Dynamical Astronomy, AAS
  - Blauw Professor and Lecturer, University of Groningen (The Netherlands)
  - Visiting Professor, Leverhulme Trust, held at University of Edinburgh (UK)
- 2015:
- Distinguished Visitor, Australia National University, Canberra (Australia)
  - Hunstead Visitor, University of Sydney, Institute for Astronomy
- 2009:
- Distinguished Visitor, Scottish Universities Physics Alliance
- 2002:
- Hilary term. Elected Visiting Fellow of New College, Oxford (UK)
  - Trinity term. Elected Keeley Fellow, Wadham College, Oxford (UK)
- 1990-1992:
- Fellowship from the Alfred P. Sloan Foundation.
- 1989:
- Teaching Fellowship from the Eli Lilly Foundation.
- 1986:
- Annie Jump Cannon Award from American Association of University Women
- 1982-1982:
- Lindemann Fellowship from the English-Speaking Union of the Commonwealth
- 1981-1982:
- Amelia Earhart Fellowship from ZONTA International.
- 1978-1981:
- Bachelor Scholarship at Emmanuel College, Cambridge.

### **Invited Lectureships**

2017: Invited plenary speaker, annual Central Pennsylvania Astronomy Conference  
2014: Invited plenary speaker, Winter meeting of the American Astronomical Society  
2004: Invited lecturer, IX Winter School, National Observatory, Rio de Janeiro, Brazil  
2002: NOVA visitor and lecturer, Leiden University & Groningen University, Holland  
1999: Invited lecturer, Nordic/Baltic School on 'Application of Photometry', Lithuania

### **Selected Recent Service to the Community**

2017: Member, review panel NASA Astrophysics Theory Program  
2016-present: Member, American Astronomical Society Publications Board  
2013-2016: Member, Associated Universities for Research in Astronomy (AURA) Observatories Council, advisory committee to the Director of NOAO  
2012-2016: Member, Board of Reviewing Editors, Science magazine  
2014: Time Allocation Committee, Hubble Space Telescope, Member At-Large  
2010-13: President of the Aspen Center for Physics  
2013: Chair, Galactic 1 panel, NOAO Time Allocation Committee  
2012: Chair, Spitzer Time Allocation Committee  
2009-12: President, International Astronomical Union Commission 33

### **Selected Recent Outreach Activities**

- Co-authored two popular articles for *Astronomy* magazine (on galaxy formation)
- Public lectures for the Aspen Center for Physics, Edinburgh City Astronomy Society, Edinburgh University, University of Groningen (Blaauw Lecture), Queen Mary University of London
- Interview on Earth and Sky radio programme (they estimate 10 million listeners world-wide) as part of their Women in Science series

### **PhD Students**

Tammy Smecker-Hane (Associate Professor, UC Irvine, USA)  
Annette Ferguson (Professor, Univ. of Edinburgh, UK)  
Bing Zhang (IT specialist in industry, USA)  
Leslie Hebb (Assistant Professor, Hobart & William Smith Colleges, USA)  
Gregory Ruchti (Aerospace Industry, USA)  
Kathryne Daniel (Assistant Professor, Bryn Mawr College, USA)  
Unofficial co-supervisor of Christopher Conselice (Professor, Nottingham, UK - Wyse held joint NSF grant with official thesis supervisor J. S. Gallagher)

### **Professional Societies**

Fellow, Royal Astronomical Society, 1982 – present  
Member, American Astronomical Society, 1983 -- present  
Member, International Astronomical Union, 1992 -- present  
Member, American Physical Society, 2011 – present  
Member, American Association for the Advancement of Science, 2012- present

### **Summary of Publications (January 2018)**

Total of 202 peer-reviewed articles, including five major reviews, in the leading journals. Forty-eight papers with at least 100 citations in ADS. Total (ADS) citations from peer-reviewed papers is 15496, h-index of 67 (h-index of 69 for all publications).

Total of 52 published invited conference reviews and published invited conference talks.  
Editor of two international conference proceedings.

### **Invited talks**

Over 65 invited talks, mostly reviews, at international conferences. Generally 2-3 invited seminars/colloquia yearly at Universities. Detailed list from last four years as follows:

1. Invited speaker, 'The Thick and Thin Disks in Spiral Galaxies', plenary session Jan 7, American Astronomical Winter Meeting, Washington DC, Jan 5-9, 2014
2. Colloquium, 'The Disks of the Milky Way Galaxy', Department of Astronomy & Astrophysics, Pennsylvania State University, University Park, April 16, 2014
3. Colloquium, 'The Disks of the Milky Way Galaxy', Department of Astronomy, University of Wisconsin-Madison, May 8, 2014
4. Invited review, 'Observations of Thick Disks', international workshop on 'The Formation & Evolution of Exponential Disks in Galaxies', Lowell Observatory, Flagstaff, AZ, Oct 5-9, 2014
5. CoolSci winter talk series 'The Rich are Different: Evidence for Stellar Radial Migration', Space Telescope Science Institute, Feb 4, 2015
6. Colloquium, 'New Insights from the Stellar Disks of the Milky Way', Department of Astronomy, Yale University, Feb 19, 2015
7. Invited review, 'Galactic Archaeology: Current Surveys and Instrumentation', international conference on 'Multi-Object Spectroscopy in the Next Decade: Big Questions, Large Surveys & Wide Fields', Santa Cruz de La Palma, Canary Islands, Spain, March 2-6, 2015
8. Invited review, 'The Structure of the Milky Way', international conference on 'Multiwavelength Dissection of Galaxies', Sydney, Australia, May 24-29, 2015
9. Colloquium, 'The Structure and Substructure of the Milky Way Galaxy', Research School of Astronomy & Astrophysics, Australia National University, Canberra, Australia, Oct 20, 2015
10. Colloquium, 'The Structure and Substructure of the Milky Way', Institute for Astronomy, University of Sydney, Sydney, Australia, Nov 5, 2015
11. Invited presentation, 'The Structure & Substructure of the Milky Way Halo', Lorentz Center Workshop on 'Globular Clusters and Galaxy Halos', Leiden, The Netherlands, February 22-26, 2016
12. Selected presentation, 'Reionization and the High-Redshift Galaxy UV Luminosity Function with Axion Dark Matter', Aspen Winter Conference on 'The Reionization Epoch: New Insights and Future Prospects', Mar 7-11, 2016
13. Colloquium, 'The Structure and Substructure of the Disks and Halo of the Milky Way Galaxy', Astronomy Group, University of Surrey, May 5, 2016
14. Colloquium, 'The Cosmological Content of the Milky Way Galaxy', Astrophysical Institute Potsdam, Germany, May 12, 2016
15. Colloquium, 'The Structure and Substructure of the Disks and Halo of the Milky Way Galaxy', Astronomy Group, University of Central Lancashire, July 12, 2016
16. Colloquium, 'The Structure and Substructure of the Disks and Halo of the Milky Way Galaxy', Kaptyn Institute, University of Groningen, The Netherlands Oct 18, 2016
17. Selected presentation, 'The Structure and Substructure of the Disks of the Milky Way Galaxy', 6th International Subaru Conference on 'Panoramas of the Evolving Cosmos', Hiroshima, Japan, Nov 28 - Dec 2, 2016

18. Invited presentation, 'The Structure and Substructure of the Milky Way Disks', in the conference 'The Galactic Renaissance', Pasadena, Feb 1-3, 2017
19. Invited plenary speaker, 'The Cosmological Context of the Milky Way Galaxy', Central Pennsylvania Astronomy Conference, Franklin & Marshall College, April 15th, 2017
20. Invited presentation, 'Galactic Surveys in the Gaia Era', at IAU Symposium 330, Astrometry and Astrophysics in the Gaia Sky, Nice, France, April 24-28, 2017
21. Invited Brouwer Prize Lecture, 'The Cosmological Context of the Milky Way Galaxy', Annual meeting of the Division of Dynamical Astronomy of the American Astronomical Society, London, UK, June 12-15, 2017
22. Invited panelist, Round Table Discussion on 'Establishing advanced models of the Milky Way', IAU Symposium 334, Rediscovering our Galaxy, Potsdam, Germany, July 10-14, 2017
23. Invited panelist, Round Table Discussion on 'Galaxy Formation', Dark Matters, Paris, France, December 11-13, 2017

190. Duong, L. et al. (inc **Wyse, R. F. G.**, 29th author), 2018, 'The GALAH survey: properties of the Galactic disk(s) in the solar neighbourhood', Monthly Notices of the Royal Astronomical Society, in press (arXiv:1801.01514)
189. McMillan, P.J., Kordopatis, G., Kunder, A., Binney, J., Wojno, J., Zwitter, T., Steinmetz, M., Bland-Hawthorn, J., Gibson, B. K.; Gilmore, G., Grebel, E. K.; Helmi, A., Munari, U., Navarro, J.F.; Parker, Q. A., Seabroke, G. & **Wyse, R. F.G.**, 2018, 'Improved distances to stars common to TGAS and RAVE', Monthly Notices of the Royal Astronomical Society, in press, (arXiv:1707.04554)
188. Carrillo, I. et al (inc **Wyse, R. F. G.**, 27th author), 2018, 'Is the Milky Way still breathing? RAVE-Gaia streaming motions', Monthly Notices of the Royal Astronomical Society, in press (arXiv: 1710.03763)
187. Kos, J. et al (inc **Wyse, R. F. G.**, 29th author), 2018, 'The GALAH survey: chemical tagging of star clusters and new members in the Pleiades', Monthly Notices of the Royal Astronomical Society, Volume 473, Issue 4, p.4612-4633
186. Wojno, J., Kordopatis, G., Piffl, T., Binney, J., Steinmetz, M., Matijević, G., Bland-Hawthorn, J., Sharma, S., McMillan, P., Watson, F., Reid, W., Kunder, A., Enke, H., Grebel, E., Seabroke, G., **Wyse, R. F. G.** et al., (+ 10 co-authors), 2017, 'The selection function of the RAVE survey', Monthly Notices of the Royal Astronomical Society, 468, Issue 3, 3368
185. Matijević, G., Chiappini, C., Grebel, E. K., **Wyse, R. F. G.** plus 17 co-authors, 2017, 'Very metal-poor stars observed by the RAVE survey', Astronomy & Astrophysics, Volume 603, id.A19, 14 pp
184. Kordopatis, G., **Wyse, R.F.G.**, Chiappini, C., Minchev, I., Anders, F. & Santiago, B., 2017, 'Cardinal kinematics: I. Rotation fields of the APOGEE Survey', Monthly Notices of the Royal Astronomical Society, Volume 467, Issue 1, 469
183. Casey, A.R., Hawkins, K., Hogg, D., Ness, M., Rix, H-W., Kordopatis, G., Kunder, A., Steinmetz, M., Koposov, S., Enke, H., Sanders, J., Gilmore, G., Zwitter, T., Freeman, K., Casagrande, L., Matijević, G., Seabroke, G., Bienaymé, O., Bland-Hawthorn, J., Gibson, B., Grebel, E., Helmi, A., Munari, U., Navarro, J., Reid, W., Siebert, A. & **Wyse, R.F.G.**, 2017, 'The RAVE-on catalog of stellar atmospheric parameters and chemical abundances for chemodynamic studies in the Gaia era', Astrophysical Journal, Volume 840, Issue 1, article id. 59, 19
182. Antoja, T., Kordopatis, G., Helmi, A., Monari, G., Famaey, B., **Wyse, R. F. G.** (plus 12 co-authors), 2017, 'Asymmetric metallicity patterns in the stellar velocity space with RAVE', Astronomy & Astrophysics, Volume 601, id.A59, 10 pp
181. Conrad, C., Scholz, R.-D., Kharchenko, N. V. et al. (**Wyse, R.F.G.** 24th author), 2017, 'A RAVE investigation on Galactic open clusters. II. Open cluster pairs, groups and complexes', Astronomy & Astrophysics, Volume 600, id.A106, 15 pp

180. Valentini, M., Chiappini, C., Davies, G. R. et al. (Wyse, R.F.G. 31st author), 2017, 'RAVE stars in K2. I. Improving RAVE red giants spectroscopy using asteroseismology from K2 Campaign 1', *Astronomy & Astrophysics*, Volume 600, id.A66, 20 pp
179. Kunder, A., Kordopatis, G., Steinmetz, M., Zwitter, T., McMillan, P., Casagrande, L., Enke, H., Wojno, J., Valentini, M., Chiappini, C., Matijević, G., Siviero, A., de Laverny, P., Recio-Blanco, A., Bijaoui, A., **Wyse, R. F. G.** et al (+ 38 co-authors), 2017, 'The Radial Velocity Experiment (RAVE): Fifth Data Release', *Astronomical Journal*, 153, Issue 2, article id. 75, 30pp.
178. Žerjal, M., Zwitter, T., Matijević, G., Grebel, E. K., Kordopatis, G., Munari, U., Seabroke, G., Steinmetz, M., Wojno, J., Bienaymé, O., Bland-Hawthorn, J., Conrad, C., Freeman, K. C., Gibson, B. K., Gilmore, G., Kunder, A., Navarro, J., Parker, Q. A., Reid, W., Siviero, A., Watson, F. G. & **Wyse, R. F. G.**, 2017, 'Chromospherically Active Stars in the RAVE Survey. II. Young dwarfs in the Solar neighborhood', *Astrophysical Journal*, 835, Issue 1, article id. 61, 19pp
177. Bernard, E.J., Ferguson, A.M.N., Schlafly, E.F., Martin, N.F., Rix, H.-W., Bell, E.F., Finkbeiner, D.P., Goldman, B., Martinez-Delgado, D., Sesar, B., **Wyse, R. F. G.** et al (+ 10 co-authors), 2016, 'A Synoptic Map of Halo Substructures from the Pan-STARRS1 3pi Survey', *Monthly Notices of the Royal Astronomical Society*, 463, Issue 2, p.1759-1768
176. Wojno, J., Kordopatis, G., Steinmetz, M., McMillan, P.J., Matijević, G., Binney, J., **Wyse, R. F. G.** et al (+ 13 co-authors), 2016, 'Chemical separation of disc components using RAVE', *Monthly Notices of the Royal Astronomical Society*, 461, 4246
175. Frebel, A., Norris, J. E., Gilmore, G. & **Wyse, R. F. G.**, 2016, 'The chemical evolution of the Bootes I ultra-faint dwarf galaxy', *Astrophysical Journal*, 826, 110
174. Anguiano, B., De Silva, G.M., Freeman, K., Da Costa, G., Zwitter, T., Quillen, A.C., Zucker, D., Navarro, J., Kunder, A., Siebert, A., **Wyse, R.F.G.** et al (+ 8 co-authors), 2016, 'Identification of Globular Cluster Stars in RAVE data II Extended tidal debris around NGC 3201', *Monthly Notices of the Royal Astronomical Society*, 457, 2078
173. Ngan, W., Carlberg, R., Bozek, B., **Wyse, R.F.G.**, Szalay, A.S. & Madau, P., 2016, 'Dispersal of Tidal Debris in a Milky-Way-Sized Dark Matter Halo', *Astrophysical Journal*, 818, 194
172. Laevens, B., Martin, N., Bernard, E., Schlafly, E., Sesar, B., Rix, H.-W., Bell, E., Ferguson, A., Slater, C., Sweeney, W., **Wyse, R.F.G.** et al (+ 11 co-authors), 2015, 'Sagittarius II, Draco II and Laevens 3: Three New Milky Way Satellites Discovered in the Pan-STARRS1 3π Survey', *Astrophysical Journal*, 813, 44L
171. Guiglion, G., Recio-Blanco, A., de Laverny, P., Kordopatis, G., Hill, V., Mikolaitis, S., Minchev, I., Chiappini, C., **Wyse, R.F.G.** et al (+ 21 co-authors), 2015, 'The Gaia-ESO Survey:

New constraints on the Galactic disc velocity dispersion and its chemical dependencies', *Astronomy & Astrophysics*, 583, A91

170. Kordopatis, G., **Wyse, R.F.G.** et al (+ 34 co-authors), 2015, 'The Gaia-ESO Survey: characterisation of the  $[\alpha/\text{Fe}]$  sequences in the Milky Way discs', *Astronomy & Astrophysics*, 582, A122

169. Anguiano, B., Zucker, D. B., Scholz, R.-D., Grebel, E. K., Seabroke, G., Kunder, A., Binney, J., McMillan, P. J., Zwitter, T., **Wyse, R.F.G.** et al. (+ 15 coauthors), 2015, 'Identification of globular cluster stars in RAVE data - I. Application to stellar parameter calibration', *Monthly Notices of the Royal Astronomical Society*, 451, 1229

168. Sesar, B, Bovy, J., Bernard, E., Caldwell, J., Cohen, J., Fouesneau, E., Johnson, C., Ness, M., Ferguson, A., Martin, N., Rix, H.-W., Schlafly, E., Burgett, W., Chambers, K., Flewelling, H., Hodapp, K., Kaiser, N., Magnier, E., Platais, I., Tonry, J., Waters, C. & **Wyse, R.F.G.**, 2015, 'The Nature and Orbit of the Ophiuchus Stream', *Astrophysical Journal*, 809, 59

167. Sugai, H., et al. (**Wyse, R.** as 83rd author), 2015, 'Prime Focus Spectrograph for the Subaru telescope: massively multiplexed optical and near-infrared fiber spectrograph', *Journal of Astronomical Telescopes, Instruments, and Systems*, Volume 1, id. 035001

166. Bozek, B., Marsh, D., Silk, J. & **Wyse, R.F.G.**, 2015. 'Galaxy UV-luminosity Function and Reionisation Constraints on Axion Dark Matter', *Monthly Notices of the Royal Astronomical Society*, 450, 209

165. Ngan, W., Bozek, B., Carlberg, R., **Wyse, R.F.G.**, Szalay, A.S. & Madau, P., 2015, 'Simulating Tidal Streams in a High Resolution Dark Matter Halo', *Astrophysical Journal*, 803, 75

164. Daniel, K.J. & **Wyse, R.F.G.**, 2015, 'Constraints on Radial Migration in Spiral Galaxies I. Analytic Criterion for Capture at Corotation', *Monthly Notices of the Royal Astronomical Society*, 447, 3576

163. Kordopatis, G., Binney, J., Gilmore, G., **Wyse, R.F.G.**, et al (+ 20 co-authors), 2015, 'The Rich Are Different: Evidence from the RAVE Survey for Stellar Radial Migration', *Monthly Notices of the Royal Astronomical Society*, 447, 3526

162. Hawkins, K., Kordopatis, G., Gilmore, G., Masseron, T., **Wyse, R.F.G.** et al (+ 19 co-authors), 2015, 'Characterizing the High-Velocity Stars of RAVE: The Discovery of a Metal-Rich Halo Star Born in the Galactic Disk', *Monthly Notices of the Royal Astronomical Society*, 447, 2046

161. Piffl, T., Binney, J., McMillan, P. J., Steinmetz, M., Helmi, A., **Wyse, R.F.G.**, et al (+ 14 co-authors), 2014, 'Constraining the Galaxy's dark halo with RAVE stars', *Monthly Notices of the Royal Astronomical Society*, 445, 3133-3151

160. Kunder, A., et al. (24 authors, **Wyse** 16th), 2014, 'Spectroscopic Signatures of Extra-Tidal Stars Around the Globular Clusters NGC 6656 (M22), NGC 3201 and NGC 1851 from RAVE', *Astronomy & Astrophysics*, 572, 30
159. Munari, U., et al. (27 authors, **Wyse** 27th), 2014, 'APASS Landolt-Sloan BVgri photometry of RAVE stars. I. Data, effective temperatures and reddenings', *Astronomical Journal*, 148, 81
158. Bienayme, O., et al (15 authors, **Wyse** 14th), 2014, 'Weighing the local dark matter with RAVE red clump stars', *Astronomy & Astrophysics*, 571, 92
157. Canning, R., Ryon, J. E., Gallagher, J. S., Kotulla, R., O'Connell, R. W., Fabian, A. C., Johnstone, R. M., Conselice, C. J., Hicks, A., Rosario, D. & Wyse, R.F.G., 2014, 'Filamentary Star Formation in NGC 1275', *Monthly Notices of the Royal Astronomical Society*, 444, 336
156. Bernard, E.J., Ferguson, A.M.N., Schlafly, E.F., Abbas, M., Bell, E.F., Martin, N.F., Rix, H.-W., Slater, C.T., Penarrubia, J., **Wyse, R.F.G.** et al. (+ 12 co-authors), 2014, 'Serendipitous discovery of a thin stellar stream near the Galactic bulge in the Pan-STARRS1 3 $\pi$  Survey', *Monthly Notices of the Royal Astronomical Society Letters*, 443, Issue 1, L84-L88
155. Sharma, S. et al. (22 authors, **Wyse** 21st), 2014, 'Kinematic modelling of the Milky Way using the RAVE and GCS stellar surveys', *Astrophysical Journal*, 793, 51
154. Rojas-Arriagada, A., et al. (33 authors, **Wyse** 33rd), 2014, 'The Gaia-ESO Survey: metallicity and kinematic trends in the Milky Way bulge', *Astronomy & Astrophysics*, 569, 103
153. Kos, J., Zwitter, T., **Wyse, R.**, et al (+ 20 co-authors), 2014, 'Pseudo--three-dimensional maps of the diffuse interstellar band at 862 nm', *Science*, 345, 791
152. Slater, C. Bell, E. Schlafly, E., Morganson, E., Martin, N., Rix, H-W., Peñarrubia, J., Bernard, E., Ferguson, A. M. N., Martinez-Delgado, D., **Wyse, R.F.G.**, et al. (+ 11 co-authors), 2014, 'The Complex Structure of Stars in the Outer Galactic Disk as revealed by Pan-STARRS1', *Astrophysical Journal*, 791, 9
151. Boeche, C. et al. (22 authors, **Wyse** 21st), 2014, 'Chemical gradients in the Milky Way from the RAVE data. II. Giant stars', *Astronomy & Astrophysics*, 568, 71
150. Recio-Blanco, A., de Laverny, P., Kordopatis, G., Helmi, A., Hill, V, Gilmore, G., **Wyse, R.F.G.** et al. (+ 32 co-authors), 2014, 'The Gaia-ESO Survey: the Galactic thick to thin disc transition', *Astronomy & Astrophysics*, 567, idA5
149. Yip, C.-W., Mahoney, M.W., Szalay, A.S., Csabai, I., Budavari, T., **Wyse, R.F.G.** & Dobos, L., 2014, 'Objective Identification of Informative Wavelength Regions in Galaxy Spectra', *Astronomical Journal*, 147, id.110



148. Binney, J. et al. (19 authors, **Wyse** 18th), 2014, 'Galactic kinematics and dynamics from Radial Velocity Experiment stars', Monthly Notices of the Royal Astronomical Society, 439, 1231-1244
147. Yang, L.F., Silk, J., Szalay, A.S., **Wyse, R.F.G.**, Bozek, B. & Madau, P., 2014, 'Dark matter contribution to Galactic diffuse gamma ray emission', Physics Review D, 89, number 6, article id 063530
146. Antoja, T. et al. (23 authors, **Wyse** 22nd), 2014, 'Constraints on the Galactic bar from the Hercules stream as traced with RAVE across the Galaxy', Astronomy & Astrophysics, 563, A60
145. Takada, M., Ellis, R.S., Chiba, M., Greene, J.E., Aihara, H., Arimoto, N., Bundy, K., Cohen, J., Dore, O., Graves, G., Gunn, J.E., Heckman, T., Hirata, C.M., Ho, P., Kneib, J.-P., Fevre, O.L., Lin, L., More, S., Murayama, H., Nagao, T., Ouchi, M., Seiffert, M., Silverman, J.D., Sodre, L., Spergel, D.N., Strauss, M.A., Sugai, H., Suto, Y., Takami, H. & **Wyse, R.**, 2014, 'Extragalactic science, cosmology, and Galactic archaeology with the Subaru Prime Focus Spectrograph', Publications of the Astronomical Society of Japan, 66, 1
144. Piffl, T. et al. (25 authors, **Wyse** 24th), 2014, 'The RAVE survey: the Galactic escape speed and the mass of the Milky Way', Astronomy & Astrophysics, 562, A91
143. Conrad, C. et al. (27 authors, **Wyse** 26th), 2014, 'A RAVE investigation on Galactic open clusters. I. Radial velocities and metallicities', Astronomy & Astrophysics, 562, A54
142. Binney, J. et al. (19 authors, **Wyse** 19th), 2014, 'New distances to RAVE stars', Monthly Notices of the Royal Astronomical Society, 437, 351-370
141. Minchev, I., Chiappini, C., Martig, M., Steinmetz, M., de Jong, R.S., Boeche, C., Scannapieco, C., Zwitter, T., **Wyse, R.F.G.** et al. (+ 21 co-authors), 2014, 'A New Stellar Chemo-Kinematic Relation Reveals the Merger History of the Milky Way Disk', Astrophysical Journal, 781, L20
140. Kordopatis, G., Gilmore, G., **Wyse, R.F.G.** et al. (+ 17 co-authors)', 2013, 'In the thick of it: metal-poor disc stars in RAVE', Monthly Notices of the Royal Astronomical Society, 436, 3231-3246
139. Kos, J. et al. (19 authors, **Wyse** 19th), 2013, 'Diffuse Interstellar Band at 8620 Å in RAVE: A New Method for Detecting the Diffuse Interstellar Band in Spectra of Cool Stars', Astrophysical Journal, 778, 86
138. Williams, M.E.K. et al. (27 authors, **Wyse** 26th), 2013, 'The wobbly Galaxy: kinematics north and south with RAVE red-clump giants', Monthly Notices of the Royal Astronomical Society, 436, 101-121

137. Kordopatis, G. et al. (51 authors, **Wyse** 16th), 2013, 'The Radial Velocity Experiment (RAVE): Fourth Data Release', *Astronomical Journal*, 146, 134
136. Boeche, C. et al. (23 authors, **Wyse** 22nd), 2013, 'Chemical gradients in the Milky Way from the RAVE data. I. Dwarf stars', *Astronomy & Astrophysics*, 559, A59
135. Zerjal, M. et al. (18 authors, **Wyse** 18th), 2013, 'Chromospherically Active Stars in the RAdial Velocity Experiment (RAVE) Survey. I. The Catalog', *Astrophysical Journal*, 776, 127
134. Bozek, B., **Wyse, R.F.G.** & Gilmore, G., 2013 'Luminous Satellites versus Dark Subhalos: Clustering in the Milky Way', *Astrophysical Journal*, 772, 109
133. Frebel, A., Lunnan, R., Casey, A.R., Norris, J.E., **Wyse, R.F.G.** & Gilmore, G., 2013, 'The 300 km/s Stellar Stream near Segue 1: Insights from High-resolution Spectroscopy of Its Brightest Star', *Astrophysical Journal*, 771, 39
132. Kordopatis, G., Hill, V, Irwin, M., Gilmore, G., **Wyse, R.F.G.**, Tolstoy, E., de Laverny, P., Recio-Blanco, A., Battaglia, G. & Starkenburg, E., 2013, 'Through thick and thin: Structure of the Galactic thick disc from extragalactic surveys', *Astronomy & Astrophysics*, 555, A12
131. Jayaraman, A., Gilmore, G., **Wyse, R.F.G.**, Norris, J.E. & Belokurov, V., 2013, 'A 10,000 star spectroscopic survey of the thick disc-halo interface: phase-space sub-structure in the thick disc', *Monthly Notices of the Royal Astronomical Society*, 431, 930-953
130. Boeche, C. et al. (23 authors, **Wyse** 22nd), 2013, 'The relation between chemical abundances and kinematics of the Galactic disc with RAVE', *Astronomy & Astrophysics*, 553, A19
129. Gilmore, G., Norris, J.E., Monaco, L., Yong, D., **Wyse, R.F.G.** & Geisler, D., 2013, 'Elemental Abundances and their Implications for the Chemical Enrichment of the Bootes I Ultrafaint Galaxy', *Astrophysical Journal*, 763, 61
128. Norris, J.E., Yong, D., Bessell, M.S., Christlieb, N., Asplund, M., Gilmore, G., **Wyse, R.F.G.**, Beers, T.C., Barklem, P.S., Frebel, & Ryan, S.G., 2013, 'The Most Metal-poor Stars. IV. The Two Populations with  $[Fe/H] < -3.0$ ', *Astrophysical Journal*, 762, 28
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