

Awards and Fellowships

Teagle Fellowship, Dartmouth College (2012 – 2013)
 Myers Faculty Fellowship, Dartmouth College (2003 – 2004)
 Cheheyl Fellowship for the Application of Technology in Teaching and in Learning, Dartmouth College (2002)
 Junior Faculty Fellowship, Dartmouth College (2001)
 Cottrell Scholar, Research Corporation (2001 – 2006)
 5th most cited paper in Astronomy published in 1998, Sciencewatch (2000)
 Dirk Brouwer Prize in Astronomy, Yale University (1995)
 Garfinkel Prize, Yale University (1989)
 Carl Reinhardt Fellowship, Queen's University (1988 – 89)
 Natural Sciences and Engineering Research Council of Canada Postgraduate Scholarship, Queen's University (1987 – 89)
 Sunil K. Sen Scholarship in Physics, University of Manitoba (1987)

Grants

NSF Research Grant \$456,079 (2012 – 2018)
 NSF Research Grant \$279,939 (2009 – 2013)
 Hubble Space Telescope Guest Observer Grant \$48,875 (20016 – 2018)
 Hubble Space Telescope Guest Observer Grant \$92,689 (2008 – 2013)
 NASA SIM Science Team \$1,762,201 (2001 – 2010)
 JPL Collaborative Research Grant \$112,235 (2007 – 2009)
 Hubble Space Telescope Guest Observer Grant \$66,498 (2006 – 2008)
 NSF Collaborative Research Grant \$97,384 (2003 – 2008)
 NSF CAREER Award \$254,985 (2001 – 2006)
 NASA LTSA Grant \$311,884 (2000 – 2006)
 NSF MRI Grant (co-I) \$208,174 (2000 – 2002)
 NSF Division of Undergraduate Education Grant \$40,060 (1999 – 2002)
 Hubble Space Telescope Guest Observer Grants, STScI (1996; 1999)

Talks

Invited review talks presented at 24 international scientific meetings
 Contributed talks presented at 19 scientific conferences
 Seventy-five invited colloquium/seminar talks given at 57 different institutions worldwide.
 Public lectures presented at Steward Observatory, Montshire Museum of Science & the Quechee Public Library

Professional Contributions

US Nominating Committee, International Astronomical Union (2009 – 2012)
 Scientific Editor, The Astrophysical Journal (2004 – 2009)
 Southern African Large Telescope Board of Directors (2010 – present)
 Southern African Large Telescope Science Working Group member (2001 – 2010)
 NASA/NSF review panel member/chair (1999, 2001, 02, 03, 07, 08, 10, 11, 13, 15, 16)
 Hubble Space Telescope review panel member (1998; 2006, 2014)
 Board of Directors, Dartmouth-Montshire Institute for Science Education (2003 – 2012)
 Board of Directors, Northeast Radio Observatory Corporation (2002 – present)
 Referee for ApJL, ApJ, AJ, MNRAS, Nature, and A&A

WISP Sponsor, Dartmouth College (2000, 01, 03, 05, 06, 07, 11, 13)

Students

Senior Thesis: Wilson Liu (2000), Zosia Krusberg (2004)

MSc: Steven Bjork (2003); Zosia Krusberg (2005); Matt Lewis (2006)

PhD: Greg Feiden (2013), Andrea Kunder (2009), Aaron Dotter (2007),
Nathanial Paust (2006)

Current PhD: Meridith Joyce, Erin O'Malley, Christina Gilligan

Bibliography

Refereed Publications

1. 'Testing Metal-Poor Stellar Models and Isochrones with HST Parallaxes of Metal-Poor Stars', **Brian Chaboyer**, McArthur, B. E., O'Malley, E., Benedict, G. F., Feiden, G. A., Harrison, T. E., McWilliam, A., Nelan, E. P., Patterson, R. J., and Sarajedini, A. (2017) *The Astrophysical Journal*, 835, 152
2. 'Investigating the Consistency of Stellar Evolution Models with Globular Cluster Observations via the Red Giant Branch Bump', Joyce, M. and **Brian Chaboyer** (2015), *The Astrophysical Journal*, 814, 142
3. 'Revised age for CM Draconis and WD 1633+572. Toward a resolution of model-observation radius discrepancies', Feiden, G. A. and **Brian Chaboyer** (2014) *Astronomy and Astrophysics*, 571, AA70
4. 'BVI Photometry and the Red Giant Branch Luminosity Function of M15', Feuillet, D. K., Paust, N. E. Q., and **Brian Chaboyer** (2014) *Publications of the Astronomical Society of the Pacific*, 126, 733
5. 'Magnetic Inhibition of Convection and the Fundamental Properties of Low-mass Stars. II. Fully Convective Main-sequence Stars', Feiden, G. A. and **Brian Chaboyer** (2014) *The Astrophysical Journal*, 789, 53
6. 'The ACS survey of globular clusters. XIII. Photometric calibration in comparison with Stetson standards', Hempel, M., ... **Brian Chaboyer** *et al.* (14 authors) 2014, *The Astrophysical Journal Supplement Series*, 211, 1
7. 'Magnetic Inhibition of Convection and the Fundamental Properties of Low-mass Stars. I. Stars with a Radiative Core', Feiden, G. A. and **Brian Chaboyer** 2013, *The Astrophysical Journal*, 779, 183
8. 'The RR Lyrae Variables and Horizontal Branch of NGC 6656 (M22)', Kunder, A., ... **Brian Chaboyer** *et al.* (13 authors) 2013, *The Astronomical Journal*, 146, 119
9. 'Self-consistent Magnetic Stellar Evolution Models of the Detached, Solar-type Eclipsing Binary EF Aquarii', Feiden, G. A. and **Brian Chaboyer** 2012, *The Astrophysical Journal*, 761, 30

10. 'Reevaluating the Mass-Radius Relation for Low-mass, Main-sequence Stars', Feiden, G. A. and **Brian Chaboyer**, 2012, *The Astrophysical Journal*, 757, 42
11. 'The ACS survey of Galactic globular clusters. XII. Photometric binaries along the main sequence', Milone, A. P., ... **Brian Chaboyer et al.** (18 authors) 2012, *Astronomy and Astrophysics*, 540, A16
12. 'Accurate Low-mass Stellar Models of KOI-126', Feiden, G. A., **Brian Chaboyer** and Dotter, A. 2011, *The Astrophysical Journal Letters*, 740, L25
13. 'The ACS Survey of Galactic Globular Clusters. XI. The Three-dimensional Orientation of the Sagittarius Dwarf Spheroidal Galaxy and Its Globular Clusters', Siegel, M. H., ... **Brian Chaboyer et al.** (16 authors) 2011, *The Astrophysical Journal*, 743, 20
14. 'Distance Scale Zero Points from Galactic RR Lyrae Star Parallaxes', Benedict, G. F., ... **Brian Chaboyer et al.** (17 authors) 2011, *The Astronomical Journal*, 142, 187
15. 'On Using the Color-Magnitude Diagram Morphology of M67 to Test Solar Abundances', Magic, Z., Serenelli, A., Weiss, A., and **Brian Chaboyer** 2010, *The Astrophysical Journal*, 718, 1378
16. 'Masses and Orbital Constraints for the OGLE-2006-BLG-109Lb,c Jupiter/Saturn Analog Planetary System', Bennett, D. P., ..., **Brian Chaboyer et al.** (77 authors) 2010, *The Astrophysical Journal*, 713, 837
17. 'Ground-Based Near-Infrared Census for Young Star Clusters in the Dwarf Starburst Galaxy NGC 1569', Kyeong, J., Sung, E.-C., Kim, S.C., and **Brian Chaboyer** 2010, *Journal of Korean Astronomical Society*, 43, 1
18. 'The ACS Survey of Galactic Globular Clusters. VIII. Effects of Environment on Globular Cluster Global Mass Functions', Paust, N.E.Q., ..., **Brian Chaboyer et al.** (15 authors) 2010, *The Astronomical Journal*, 139, 476
19. 'The Determination of Reddening from Intrinsic VR Colors of RR Lyrae Stars', Kunder, A., **Brian Chaboyer** and Layden, A. 2010, *The Astronomical Journal*, 139, 415
20. 'The ACS Survey of Galactic Globular Clusters. IX. Horizontal Branch Morphology and the Second Parameter Phenomenon', Dotter, A., ..., **Brian Chaboyer et al.** (14 authors) 2010, *The Astrophysical Journal*, 708, 698
21. 'An Oosterhoff Analysis of the Galactic Bulge Field RR Lyrae Stars: Implications on Their Absolute Magnitudes', Kunder, A. and **Brian Chaboyer** 2009, *The Astronomical Journal*, 138, 1284
22. 'Distance to the Sagittarius Dwarf Galaxy using MACHO Project RR Lyrae stars' Kunder, A. **Brian Chaboyer** 2009, *Astronomical Journal* 137, 4478
23. 'The ACS Survey of Galactic Globular Clusters. VII. Relative Ages' Marín-Franch, A., ..., **Brian Chaboyer et al.** (16 authors) 2009, *Astrophysical Journal* 694, 1498

24. 'Stellar Population Models and Individual Element Abundances. II. Stellar Spectra and Integrated Light Models' Lee, H.-c., Worthey, G., Dotter, A., **Brian Chaboyer**, Jevremović, D., Baron, E., Briley, M. M., Ferguson, J. W., Coelho, P., and Trager, S. C. 2009, *Astrophysical Journal* 694, 902
25. 'The ACS Survey of Galactic Globular Clusters. VI. NGC 6366: A Heavily Stripped Galactic Globular Cluster' Paust, N.E.Q., . . . , **Brian Chaboyer** et al. (15 authors) 2009, *Astronomical Journal* 137, 246
26. 'Metallicity Analysis of MACHO Galactic Bulge RR0 Lyrae Stars from Their Light Curves' Kunder, A. and **Brian Chaboyer** 2008, *Astronomical Journal* 136, 2441
27. 'The Dartmouth Stellar Evolution Database' Dotter, A., **Brian Chaboyer**, Jevremović, D., Kostov, V., Baron, E., Ferguson, J.W. 2008, *Astrophysical Journal Supplement Series* 178, 89
28. 'The Extinction Toward the Galactic Bulge from RR Lyrae Stars' Kunder, A., Popowski, P., Cook, K.H., & **Brian Chaboyer** 2008, *Astronomical Journal*, 135, 631
29. 'The ACS Survey of Globular Clusters. V. Generating a Comprehensive Star Catalog for each Cluster' Anderson, J., . . . , **Brian Chaboyer**, et al. (13 authors), 2008, *The Astronomical Journal*, 135, 2055
30. 'Taking the Measure of the Universe: Precision Astrometry with SIM PlanetQuest' Unwin, S.C., . . . , **Brian Chaboyer** et al. (36 authors) 2008, *Publications of the Astronomical Society of the Pacific*, 120, 38
31. 'The ACS Survey of Galactic Globular Clusters. III. The Double Subgiant Branch of NGC 1851' Milone, A.P., . . . , **Brian Chaboyer** et al. (16 authors) 2008, *Astrophysical Journal*, 673, 241
32. 'Discovery of a Jupiter/Saturn Analog with Gravitational Microlensing' Gaudi, B.S., . . . , **Brian Chaboyer** et al. (69 authors) 2008, *Science*, 319, 927
33. 'The ACS Survey of Galactic Globular Clusters: M54 and Young Populations in the Sagittarius Dwarf Spheroidal Galaxy' Siegel, M.H., . . . , **Brian Chaboyer** et al. (14 authors) 2007, *Astrophysical Journal*, 667, L57
34. 'Stellar Population Models and Individual Element Abundances. I. Sensitivity of Stellar Evolution Models', Dotter, A., **Brian Chaboyer**, Ferguson, J.W., Lee, H.-c., Worthey, G., Jevremović, D., Baron, E. 2007, *Astrophysical Journal*, 666, 403-412.
35. 'The ACS Survey of Galactic Globular Clusters. II. Stellar Evolution Tracks, Isochrones, Luminosity Functions, and Synthetic Horizontal-Branch Models', Dotter, A., **Brian Chaboyer**, Jevremović, D., Baron, E., Ferguson, J.W., Sarajedini, A., Anderson, J. 2007, *Astronomical Journal*, 134, 376-390.
36. 'BVI Photometry and the Luminosity Function of the Globular Cluster M92' Paust, N. E. Q., **Brian Chaboyer** & Sarajedini, A. 2007, *The Astronomical Journal*, 133, 2787

37. 'The ACS Survey of Galactic Globular Clusters. I. Overview and Clusters Without Previous HST Photometry' Sarajedini, A., Bedin, L. **Brian Chaboyer**, & 9 colleagues 2007, *Astronomical Journal*, 133, 1658
38. 'The Effect of Cluster Environment on Galaxy Evolution in the Pegasus I Cluster' Levy, L., Rose, J.A., van Gorkom, J.H. & **Brian Chaboyer** 2007, *Astronomical Journal*, 133, 1104
39. 'A New Color-Magnitude Diagram for Palomar 11.' Lewis, M.S., Liu, W.M., Paust, N.E.Q. & **Brian Chaboyer** 2006, *Astronomical Journal*, 131, 2538-2542.
40. 'Theoretical Uncertainties in Red Giant Branch Evolution: The Red Giant Branch Bump' Bjork, S.R. & **Brian Chaboyer** 2006, *Astrophysical Journal* 641, 1102-1112.
41. 'From Canonical to Enhanced Extra Mixing in Low-Mass Red Giants: Tidally Locked Binaries' Denissenkov, P.A., **Brian Chaboyer** & Li, K. 2006, *Astrophysical Journal* 641, 1087-1101.
42. 'UBVI CCD Photometry of the Old Open Cluster Berkeley 17' Z. A. C. Krusberg and **Brian Chaboyer** 2006, *Astronomical Journal*, 131, 1565.
43. 'The Young Open Cluster NGC 2129' G. Carraro, **Brian Chaboyer** & J. Perencevich 2006, *Monthly Notices of the Royal Astronomical Society*, 365, 867.
44. 'Stellar Pollution and [Fe/H] in the Hyades' A. Dotter & **Brian Chaboyer**, 2003, *Astrophysical Journal Letters*, 596, L101
45. 'The Impact of Pollution on Stellar Evolution Models' A. Dotter & **Brian Chaboyer**, 2003, *Astrophysical Journal*, 596, 496
46. 'Age Estimates of Globular Clusters in the Milky Way: Constraints on Cosmology' L.M. Krauss & **Brian Chaboyer** (2003), *Science*, 299, 65
47. 'Theoretical Uncertainties in the Subgiant–Mass Age relation and the Absolute Age of ω Cen' **Brian Chaboyer** & L.M. Krauss (2002), *The Astrophysical Journal Letters*, **567**, L45 – L48.
48. 'Are Stars with Planets Polluted?' N. Murray and **Brian Chaboyer** (2002), *The Astrophysical Journal*, **566**, 442 – 451.
49. 'Heavy Element Diffusion in Metal Poor Stars' **Brian Chaboyer**, W.H. Fenton, Jenica E. Nelan, D.J. Patnaude and Francesca E. Simon (2001), *The Astrophysical Journal*, **562**, 521 – 527
50. 'CCD Photometry of the Classic Second Parameter Globular Clusters M3 AND M13' S.-C. Rey, S.-J. Yoon, Y.-W. Lee, **Brian Chaboyer** and A. Sarajedini (2001), *The Astronomical Journal*, **122**, 3219 – 3230.
51. 'Stellar Pollution in the Solar Neighborhood', N. Murray **Brian Chaboyer**, P. Arras, B. Hansen and R.W. Noyes (2001), *The Astrophysical Journal*, **555**, 801 – 815.

52. ‘Starbursts versus Truncated Star Formation in Nearby Clusters of Galaxies’ J.A. Rose, A.E. Gaba, N. Caldwell & **Brian Chaboyer** (2001), *The Astronomical Journal*, **121**, 793 – 807.
53. ‘The Age of the Inner Halo Globular Cluster NGC 6652’, **Brian Chaboyer**, A. Sarajedini & T. Armandroff (2000), *The Astronomical Journal*, **120**, 3102 – 3110.
54. ‘The Relative Age of the Thin and Thick Galactic Disks’, W.M. Liu & **Brian Chaboyer** (2000), *The Astrophysical Journal*, **544**, 818 – 829.
55. ‘The Age, Extinction and Distance of the Old, Metal-Rich Open Cluster NGC 6791’, **Brian Chaboyer**, E.M. Green & J. Liebert (1999), *Astronomical Journal*, **117**, 1360 - 1374.
56. ‘The Pulsation Properties of Procyon A’, **Brian Chaboyer**, P. Demarque & D.B. Guenther (1999), *The Astrophysical Journal Letters*, **525**, L41 – L44.
57. ‘Globular Cluster Distance Determinations’, **Brian Chaboyer** (1999), in *Post-Hipparcos Cosmic Candles*, ed. A. Heck & F. Caputo (Dordrecht: Kluwer), 111 – 124 (invited review chapter).
58. ‘The Age of the Universe’, **Brian Chaboyer** (1998) *Physics Reports*, **307**, 23 – 30.
59. ‘The Age Of Globular Clusters In Light Of Hipparcos: Resolving the Age Problem?’, **Brian Chaboyer**, P. Demarque, P.J. Kernan, & L.M. Krauss (1998), *The Astrophysical Journal*, **494**, 96 – 110.
60. ‘The Relative Ages of Galactic Globular Clusters’, A. Sarajedini, **Brian Chaboyer** & P. Demarque (1997), *Publications of the Astronomical Society of the Pacific*, **109**, 1321 – 1339 (invited review).
61. ‘An Accurate Relative Age Estimator for Globular Clusters’, **Brian Chaboyer**, P. Demarque, P.J. Kernan, L.M. Krauss and A. Sarajedini (1996), *Monthly Notices of the Royal Astronomical Society*, **283**, 683 – 689.
62. ‘A Lower Limit on the Age of the Universe’, **Brian Chaboyer**, P. Demarque, P.J. Kernan, & L.M. Krauss (1996), *Science*, **271**, 957 – 961.
63. ‘Globular Cluster Ages and the Formation of the Galactic Halo’, **Brian Chaboyer**, P. Demarque & A. Sarajedini (1996), *The Astrophysical Journal*, **459**, 558 – 569.
64. ‘Star Formation and Chemical Evolution in Damped Ly α Clouds’, R.A. Malaney & **Brian Chaboyer** (1996), *The Astrophysical Journal* **462**, 57 – 67.
65. ‘The Current State of Solar Modeling’, J. Christensen-Dalsgaard, W. Dappen, ... **Brian Chaboyer**, *et al.* (33 authors, GONG modeling team) (1996), *Science*, **272**, 1286 – 1292.
66. ‘The Seismic Structure of the Sun’, D.O. Gough, A. Kosovichev, ... **Brian Chaboyer**, *et al.* (26 authors, GONG inversions team) (1996), *Science*, **272**, 1296 – 1300.
67. ‘BVRI Light Curves for 29 Type IA Supernovae’ M. Hamuy, ... **Brian Chaboyer** *et al.* (81 authors) (1996) *Astronomical Journal* **112**, 2408 – 2437.

68. 'The OPAL Equation of State and Low Metallicity Isochrones', **Brian Chaboyer** & Yong-Cheol Kim (1995), *The Astrophysical Journal*, 454, 767 – 773.
69. 'The Evolution of Lithium Abundances of Solar-type Stars: V. K Dwarfs in the Hyades', D.R. Soderblom, B.F. Jones, J.R. Stauffer, & **Brian Chaboyer** (1995), *The Astronomical Journal*, **110**, 729 – 732.
70. 'Absolute Ages of Globular Clusters and the Age of the Universe', **Brian Chaboyer** (1995), *The Astrophysical Journal Letters*, **444**, L9 – L12.
71. 'Rotation, Diffusion and Overshoot in the Sun: Effects on the Oscillation Frequencies and the Neutrino Flux', **Brian Chaboyer**, P. Demarque, D.B. Guenther & M.H. Pinsonneault (1995), *The Astrophysical Journal*, **446**, 435 – 444.
72. 'Stellar Models with Microscopic Diffusion and Rotational Mixing I: Application to the Sun', **Brian Chaboyer**, P. Demarque & M.H. Pinsonneault (1995), *The Astrophysical Journal*, **441**, 865 – 875.
73. 'Stellar Models with Microscopic Diffusion and Rotational Mixing II: Application to Open Clusters', **Brian Chaboyer**, P. Demarque & M.H. Pinsonneault (1995), *The Astrophysical Journal*, **441**, 876 – 885.
74. 'A Supergiant Supernova-blown Bubble in the Spiral Galaxy NGC 1620', J.P. Vader & **Brian Chaboyer** (1995), *The Astrophysical Journal*, **445**, 691 – 699.
75. 'The Primordial Abundance of ${}^6\text{Li}$ and ${}^9\text{Be}$ ', **Brian Chaboyer** (1994), *The Astrophysical Journal Letters*, **432**, L47 – L50.
76. ' ${}^7\text{Li}$ Abundances in Halo Stars: Testing Stellar Evolution Models and the Primordial ${}^7\text{Li}$ Abundance', **Brian Chaboyer** & P. Demarque (1994), *The Astrophysical Journal*, **433**, 510 – 519.
77. 'The RSA Survey of Dwarf Galaxies I. Optical Photometry', J.P. Vader & **Brian Chaboyer** (1994), *The Astronomical Journal*, **108**, 1209 – 1243.
78. 'The 1990 Calan/Tololo Supernova Search', M. Hamuy, ... **Brian Chaboyer**, *et al.* (32 authors) (1993), *The Astronomical Journal*, **106**, 2392 - 2407.
79. 'Ages of Globular Clusters and Helium Diffusion', **Brian Chaboyer**, A. Sarajedini & P. Demarque (1992), *The Astrophysical Journal*, **394**, 515 – 522.
80. 'The Effect of Helium Diffusion on the Ages of Globular Clusters', **Brian Chaboyer**, C.P. Deliyannis, P. Demarque, M.H. Pinsonneault & A. Sarajedini (1992), *The Astrophysical Journal*, **388**, 372 – 382.
81. 'Effect of Horizontal Turbulent Diffusion on the Transport by Meridional Circulation', **Brian Chaboyer** & Jean-Paul Zahn (1992), *Astronomy and Astrophysics*, **253**, 173 – 177.
82. 'Low Luminosity Companions of Early-Type Galaxies', J.P. Vader & **Brian Chaboyer** (1992), *Publications of the Astronomical Society of the Pacific*, **104**, 57 – 61.

83. ‘Peculiar Morphologies of Four IRAS Galaxies’, **Brian Chaboyer** & J.P. Vader (1991), *Publications of the Astronomical Society of the Pacific*, **103**, 35 – 48.
84. ‘Turbulent Magnetic Fields I’, **Brian Chaboyer** & R.N. Henriksen (1990), *Astronomy and Astrophysics*, **236**, 275 – 288.
85. ‘Gravitational Radiation Observations with an Orbital Ring Laser Gyroscope’ **Brian Chaboyer** & R.N. Henriksen (1988), *Physics Letters A*, **132**, 391 – 398.

Popular Articles

1. ‘Rip Van Twinkle: The oldest stars have been growing younger’ **Brian Chaboyer**, (2001) *Scientific American*, **284**, 38 – 45.

Conference Talks

1. *Spectroscopic Study of the Low Mass Eclipsing Binary UV Psc* presented at the SALT Science Workshop, Stellenbosch, South Africa, June 1 2015 in the session *Janusz Kaluzny, Session 1*
2. *Spectroscopic Study of the Low Mass Benchmark Eclipsing Binary UV Piscium*, Feiden, G. A., Stempels, E., Hebb, L., Mack, C. E., III, and Chaboyer, B. 2015, *Living Together: Planets, Host Stars and Binaries*, 496, 174
3. *Updating the Dartmouth Stellar Evolution Model Grid: Pre-main-sequence Models and Magnetic Fields*, Feiden, G. A., Jones, J., and Chaboyer, B. 2015, 18th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, 18, 171
4. *Do Magnetic Fields Actually Inflate Low-Mass Stars?*, Feiden, G. A. and Chaboyer, B. (2014) in *Proceedings of the International Astronomical Union Symposium 302* (eds. P. Petit, J. Jardine & Spruit, H.), 150
5. *Parallaxes of metal-poor main-sequence stars*, Chaboyer, B., Feiden, G., Benedict, G. F., McArthur, B. E., Harrison, T. E., McWilliam, A., Nelan, E. P., Patterson, R. J., and Sarajedini, A., 2013, *Advancing the Physics of Cosmic Distances*, *Proceedings of the International Astronomical Union, IAU Symposium*, 289, 289, 87
6. *HST Parallaxes of Metal Poor Stars: Distances to Globular Clusters* presented at the conference ‘Reading the Book of Globular Clusters with the Lens of Stellar Evolution’ Monte Porzio Catone, Italy November 26 – 28 2012 in *Session 2: Photometry*
7. ‘Magnetic field induced radius inflation of low-mass stars’, Feiden, G. A. and Chaboyer, B. 2013, *EAS Publications Series*, 64, 127

8. ‘*An Oosterhoff Analysis of the Galactic Bulge Field RR Lyrae stars: Implications On Their Absolute Magnitudes*’, Kunder, A. and Chaboyer, B. 2009, American Institute of Physics Conference Series, 1170, 188
9. ‘*The Globular Cluster Relative Ages and the Milky Way Formation Time Scale*’, Aparicio, A., . . . , Chaboyer, B. et al. (16 authors) 2009, American Institute of Physics Conference Series, 1111, 222
10. invited talk ‘*Globular Clusters & the Population II Distance Scale*’ at the meeting **SIM/GAIA Synergy** Nov. 6 2008 at London, UK
11. invited talk ‘*Models of low-metallicity stars*’ presented at the International Astronomical Union Symposium 258: **The Ages of Stars** in the session *Models of Stars and tests of models* Oct. 14, 2008 at Baltimore, MD
12. invited talk ‘*Parallaxes of Metal-Poor Stars*’ at the meeting **Stars in Motion** Sept. 21, 2008 in the session *Future of Astronomy* at New Haven, CT
13. ‘Distances and Ages of Globular Clusters’ 2007, presented at *International Astronomical Union Symposium 248: A Giant Step from Milli- to Micro-arcsecond Astrometry*, (Shanghai, China), 440
14. ‘Ages of Old Star Clusters’ (2006) presented at *Cool Stars XIV* (Pasadena, California; invited review).
15. ‘M Dwarfs’ (2006) presented at *Stars to Halos: The Scale Challenge* (Kingston, Ontario; invited review).
16. ‘Effects of Microscopic Diffusion on Stellar Evolution’ (2006) presented at *Solar/Stellar Models and Seismic Analysis Tools* (Porto, Portugal; invited review), EAS Publication Series, 26, 17 – 23.
17. ‘RR Lyrae Stars in the Bulge, LMC and Sgr Dwarf Galaxy’ (2006) presented at *Deconstructing the Local Group: Dissecting Galaxy Formation in our Own Backyard* (Aspen, Colorado).
18. ‘M Dwarf Stellar Models’ (2006) presented at *Cool Stars XIV* (Pasadena, California).
19. ‘Diffusion in the Yale/Dartmouth Stellar Evolution Code’ presented at *Solar/Stellar Models and Seismic Analysis Tools* (Porto, Portugal).
20. ‘The MACHO Bulge RR0 Lyrae Stars’ **Brian Chaboyer** (2005) presented at *Stellar Pulsation and Evolution* (Monte Porzio Catone, Italy).
21. ‘Testing Stellar Evolution Models of Metal-Poor Stars’ **Brian Chaboyer** (2004) in *Stellar Astrophysics with the World’s Largest Telescopes*, ed. J. Mikolajewska & A. Olech (American Institute of Physics: New York), 154.

22. ‘Old Stars and the Age of the Universe’ **Brian Chaboyer** (2003) in *The Cosmological Model*, ed. Y. Giraud-Héraud, C. Magneville & J.T. Thanh Vân (Thê Giói Publishers: Vietnam), 37 – 40 (invited review).
23. ‘Ages of Elliptical Galaxies from New Stellar Population Models’ **Brian Chaboyer** (2003) at *The First Robert Stobie Memorial SALT Workshop* Cape Town, South Africa
24. ‘Globular Cluster Age Dating’ **Brian Chaboyer** (2001) in *Astrophysical Ages and Time Scales*, ed. T. von Hippel, C. Simpson & N. Manset (Astronomical Society of the Pacific: San Francisco), 162 – 171. (invited review)
25. ‘Globular Cluster Ages’ **Brian Chaboyer** (2001) presented at *Observed HR diagrams and Stellar Evolution*, Coimbra, Portugal (invited review)
26. ‘Globular Cluster Ages’ **Brian Chaboyer** (2001) presented at *Matter in the Universe*, Bern, Switzerland (invited review)
27. ‘Astroseismology: Science with a 5.1cm Telescope’ **Brian Chaboyer** (2000), presented at *Kingston 2000 Meeting: Directions in Theoretical Astrophysics at the turn of the Millennium*, Toronto, Ontario
28. ‘The Age of the Universe’ **Brian Chaboyer** (2000), presented at *Aspen Center for Physics Workshop*, Aspen, Colorado (invited review)
29. ‘Globular Clusters Ages’, **Brian Chaboyer** (1999), presented at *The 35th Liège International Astrophysics Colloquium*, Liege, Belgium (invited review).
30. ‘The Age of the Universe’ **Brian Chaboyer** (1999), presented at *The Cosmological Constant*, Aspen, Colorado (invited review)
31. ‘The Ages of Star Clusters’ **Brian Chaboyer** (1999), presented at *Challenges in Stellar Evolution for the 21st Century*, New Haven, CT
32. ‘Ages of Globular Clusters’, **Brian Chaboyer** (1999), presented at *The Pritzker Symposium on the Status of Inflationary Cosmology*, Chicago, IL (invited review).
33. ‘Relative Globular Cluster Ages and the Formation of the Milky Way’, **Brian Chaboyer** (1998), presented at *The 13th Kingston Meeting on Theoretical Astrophysics: Galaxy Formation and Cosmic Star Formation History*, Kingston, Ontario (invited review).
34. ‘NGC 6791: an Old, Metal-Rich Open Cluster’ **Brian Chaboyer** (1998), presented at *Hubble Fellows Symposium*, Baltimore, MD (invited).
35. ‘Internal Rotation, Mixing and Lithium Abundances’, **Brian Chaboyer** (1998), *IAU Symp. 185, New Eyes to See inside the Sun and Stars: Pushing the Limits of Helio- and Astero-seismology with New Observations from the Ground and from Space*, eds. F.L. Deubner, J. Christensen-Dalsgaard & D. Kurtz, 25 –36 (invited review).
36. ‘Globular Clusters and the Age of the Universe’, **Brian Chaboyer** (1997), presented at *IAU Symp. 183, Cosmological Parameters and Evolution of the Universe* (invited review).

37. ‘The Age of the Universe’, **Brian Chaboyer** (1996), *Nuclear Physics B Proceedings Supplement*, **51B**, 10 – 19 (invited review).
38. ‘Improved Solar Models’, **Brian Chaboyer**, Sarbani Basu and J. Christensen-Dalsgaard (1996), *J. Roy. Astron. Soc. Can.*, **90**, 306. (abstract).
39. ‘Halo Star Evolution’, **Brian Chaboyer** (1995), in *Stellar Evolution: What Should Be Done?*, eds. A. Noels, D. Fraipont-Caro, M. Gabriel, N. Grevesse & P. Demarque (Liège: Institut d’Astrophysique), 345 – 358 (invited review).
40. ‘Ages of Galactic Globular Clusters from the New Yale Isochrones’, **Brian Chaboyer**, P. Demarque, D.B. Guenther, M.H. Pinsonneault & L.L. Pinsonneault (1995), *The Formation of the Milky Way*, ed. E.J. Alfaro & G. Tenorio-Tagle (Cambridge: Cambridge University Press), 289 – 292.
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2. ‘Photometry on Metal-Poor Stars with HST Parallaxes’, Joyce, M., Chaboyer, B. *et al.* (8 co-authors) (2014) American Astronomical Society Meeting Abstracts #224, 224, #420.06 (abstract)
3. ‘Testing Stellar Models with Accurate Parallaxes and Abundances of Metal-Poor Stars’, O’Malley, E. M., McWilliam, A., and Chaboyer, B. C. (2014) American Astronomical Society Meeting Abstracts #224, 224, #420.05 (abstract)
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