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# EMILY M. LEVESQUE

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## EMPLOYMENT AND EDUCATION

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<b>2010-PRESENT</b>	EINSTEIN POSTDOCTORAL FELLOW, UNIVERSITY OF COLORADO AT BOULDER
<b>2008-2010</b>	INSTITUTE FOR ASTRONOMY, UNIVERSITY OF HAWAII AT MANOA Ph.D., Astronomy
<b>2006-2008</b>	INSTITUTE FOR ASTRONOMY, UNIVERSITY OF HAWAII AT MANOA M.S., Astronomy
<b>2002-2006</b>	MASSACHUSETTS INSTITUTE OF TECHNOLOGY S.B., Physics (Minors: Astronomy, Creative Writing)

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## PRIMARY RESEARCH INTERESTS

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- EVOLUTION, LIFETIMES, AND PHYSICAL PROPERTIES OF MASSIVE STAR POPULATIONS
- PROGENITORS AND HOST ENVIRONMENTS OF CORE-COLLAPSE GRBS AND SNE
- MULTI-WAVELENGTH ISM DIAGNOSTICS FOR STAR-FORMING GALAXIES
- MASS LOSS, STELLAR YIELDS, AND VARIABILITY IN EVOLVED MASSIVE STARS

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## SELECTED FELLOWSHIPS, AWARDS, AND GRANTS

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<b>2012</b>	AAS Small Research Grant
<b>2010</b>	Einstein Postdoctoral Fellowship
<b>2009</b>	European Southern Observatories Postdoctoral Fellowship (declined)
<b>2009</b>	Graduate Student Organization Grant (University of Hawaii)
<b>2009</b>	ARCS Scholar of the Year (University of Hawaii)
<b>2009</b>	Helen Jones Farrar ARCS Scholarship in Astronomy (University of Hawaii)
<b>2008</b>	Smithsonian Astrophysical Observatory Predoctoral Fellowship
<b>2008</b>	University Research Council Excellence in Research Award (University of Hawaii)
<b>2008</b>	Ford Foundation Predoctoral Fellowship
<b>2007</b>	Friends of the IfA Research Award (University of Hawaii)
<b>2007</b>	Graduate Student Organization Grant (University of Hawaii)
<b>2006</b>	Alan H. Barrett Prize in Astrophysics (MIT)
<b>2006</b>	Joel Matthew Orloff Research Award for most outstanding senior thesis (MIT)

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## TEACHING AND ADVISING EXPERIENCE

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<b>2012</b>	Guest Lecturer, ASTR 5700: Stellar Structure and Evolution (CU Boulder)
<b>2011</b>	Recitation Instructor, ASTR 5120: Radiative and Dynamical Processes (CU Boulder)
<b>2010</b>	Guest Lecturer, ASTR 110: Survey of Astronomy (University of Hawaii)
<b>2008</b>	Co-adviser, Megan Bagley (REU student, University of Hawaii)
<b>2007</b>	Co-adviser, Kirsten Larson (REU student, University of Hawaii)
<b>2006</b>	TA, 12.409: Hands-On Astronomy Seminar (MIT)
<b>2006</b>	Grader, 8.282: Introduction to Astronomy (MIT)
<b>2005</b>	TA, 8.287: Observational Techniques of Optical Astronomy (MIT)
<b>2004</b>	TA, 12.409: Hands-On Astronomy Seminar (MIT)

## SELECTED PRESENTATIONS

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### PROFESSIONAL

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- 2012** Invited review, *Gamma-Ray Bursts 2012* (Munich, DE)  
**2012** Colloquium, Arizona State University (Phoenix, AZ)  
**2012** Invited talk, *IAU 279: Death of Massive Stars: Supernovae and GRBs* (Nikko, JAP)  
**2012** Contributed talk, *219<sup>th</sup> AAS, Session #310* (Austin, TX)  
**2011** Colloquium, University of Wyoming (Laramie, WY)  
**2011** Lunch Talk, JILA, University of Colorado at Boulder (Boulder, CO)  
**2011** Invited seminar, Oxford University (Oxford, UK)  
**2011** Colloquium, Geneva Observatory (Versoix, CH)  
**2011** Invited talk, *The Future of Astronomy: Fellows at the Frontiers of Science* (Evanston, IL)  
**2011** Invited talk, *Supernovae and their Host Galaxies* (Sydney, AUS)  
**2011** Colloquium, University of Washington (Seattle, WA)  
**2010** Colloquium, University of Colorado at Boulder (Boulder, CO)  
**2010** Contributed talk, *Gamma-Ray Bursts 2010* (Annapolis, MD)  
**2010** Lunch Talk, JILA, University of Colorado at Boulder (Boulder, CO)  
**2010** Dissertation talk, *215<sup>th</sup> AAS, Session #368* (Washington, DC)  
**2009** Colloquium, St. Mary's University (Halifax, Nova Scotia, CA)  
**2009** Invited seminar, Space Telescope Science Institute (Baltimore, MD)  
**2009** Contributed talk, *The Shocking Universe* (Venice, IT)  
**2009** Contributed talk, *Galaxy Metabolism* (Sydney, AUS)  
**2009** Lunch Talk, JILA, University of Colorado at Boulder (Boulder, CO)  
**2009** Contributed talk, *Intermediate Mass Stars to Massive Stars* (Strasbourg, FR)  
**2008** Invited review, *Hot and Cool: Bridging Gaps in Massive Star Formation* (Pasadena, CA)  
**2008** Invited review, *Hot Massive Stars: A Lifetime of Influence* (Flagstaff, AZ)  
**2008** Invited seminars, Oxford University (Oxford, UK)  
**2008** Colloquium, Geneva Observatory (Versoix, CH)  
**2008** Contributed talk, *IAU 255: Low-Metallicity Star Formation* (Rapallo, IT)  
**2007** Contributed talk, *IAU 250: Massive Stars as Cosmic Engines* (Kauai, HI)  
**2007** Keynote talk, *The Biggest, Baddest, Coolest Stars* (Johnson City, TN)  
**2007** Invited talk, *210<sup>th</sup> AAS, Special Session #40* (Honolulu, HI)

### PUBLIC

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- 2012** Fiske Planetarium Live Talk (Boulder, CO)  
**2011** Winter Park Star Safari Guest Speaker (Winter Park, CO)  
**2011** Fiske Planetarium Astronomy Day Guest Speaker (Boulder, CO)  
**2009** Public Outreach Lecture, Oak Point Retirement Community (Middleboro, MA)  
**2009** CfA Observatory Night Lecture (Cambridge, MA)  
**2008** Institute for Astronomy Open House Family Lecture (Honolulu, HI)  
**2008** Friends of the IfA Research Award Talk (Honolulu, HI)

## SELECTED COMMITTEES & SERVICE

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- 2012** Chair, Scientific Organizing Committee, *The Evolution of Massive Stars and Progenitors of Gamma-Ray Bursts*, Aspen, CO (June 2012)  
**2012** Judge, Chambliss Astronomy Achievement Student Awards, *219<sup>th</sup> AAS*  
**2012** Session Chair, *219<sup>th</sup> AAS, Session #310, "Gamma-Ray Bursts"*  
**2011** Member, Scientific Organizing Committee, *IAU (proposed): Massive Stars: From Alpha to Omega*, Rhodes, GR  
**2011** Coordinator, "Beyond Boulder" mentoring program

<b>2011</b>	HST Cycle 19 Panel Member
<b>2011</b>	Volunteer, Fiske Planetarium Astronomy Day
<b>2011</b>	Judge, Roche Colorado/BVSD Regional Science Fair
<b>2010</b>	Volunteer, Institute for Astronomy Open House
<b>2010</b>	Judge, Hawaii State Science and Engineering Fair
<b>2010</b>	Judge, Taunton High School Science Fair
<b>2009</b>	Judge, Taunton High School Science Fair
<b>2008</b>	Session Chair, <i>Hot and Cool: Bridging Gaps in Massive Star Formation</i> , Pasadena, CA
<b>2008</b>	Volunteer, Institute for Astronomy Open House
<b>2007</b>	Local Organizing Committee, <i>IAU 250: Massive Stars as Cosmic Engines</i> , Kauai, HI
<b>2007</b>	Time Allocation Committee, University of Hawaii
<b>2007</b>	Volunteer, Institute for Astronomy Open House
<b>2007</b>	Local Organizing Committee, <i>Metals 2007</i> , Honolulu, HI
<b>MEMBER</b>	American Astronomical Society
<b>REFEREE</b>	<i>The Astrophysical Journal, The Astrophysical Journal Letters, Astronomy &amp; Astrophysics, Advances in Space Research</i>

## RECENT TELESCOPE TIME AWARDED

<b>DATE</b>	<b>TELESCOPE</b>	<b>ALLOCATION</b>	<b>TAC</b>
<b>DEC 2011</b>	<i>APO 3.5m</i>	1 1/2-night	Colorado
<b>SEP 2011</b>	<i>Magellan</i>	2 1/2-nights	Steward
<b>SEP 2011</b>	<i>APO 3.5m</i>	1 1/2-night	Colorado
<b>JUN 2011</b>	<i>APO 3.5m</i>	1 1/2-night	Colorado
<b>MAY 2011</b>	<i>APO 3.5m</i>	2 1/2-nights	Colorado
<b>MAR 2011</b>	<i>Gemini-S</i>	2 nights (classical)	NOAO
<b>FEB 2011</b>	<i>APO 3.5m</i>	2 1/2-nights	Colorado
<b>AUG 2010</b>	<i>Magellan</i>	2 nights	Harvard/OIR
<b>MAY 2010</b>	<i>Keck</i>	1 night	Hawaii
<b>NOV 2009</b>	<i>Keck</i>	3 nights	Hawaii
<b>JUL 2009</b>	<i>Magellan</i>	2 nights	Harvard/OIR
<b>MAY 2009</b>	<i>Keck</i>	1 night	Hawaii
<b>APR 2009</b>	<i>Keck</i>	1 night	Hawaii
<b>NOV 2008</b>	<i>Keck</i>	3 nights	Hawaii
<b>OCT 2008</b>	<i>Gemini-N</i>	3 hours	Hawaii
<b>AUG 2008</b>	<i>Magellan</i>	2 nights	NOAO
<b>MAY 2008</b>	<i>Keck</i>	1 night	Hawaii
<b>MAR 2008</b>	<i>Keck</i>	1 night	Hawaii

## PUBLICATIONS

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### INVITED REVIEWS (REFEREED)

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- 1) **Levesque, E. M.**, “The Physical Properties of Red Supergiants” 2010, *New Astronomy Reviews*, 54, 1

### REFEREED/SUBMITTED

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- 33) **Levesque, E. M.** & Massey, P. “Spectral Types of Red Supergiants in NGC 6822 and the Wolf-Lundmark-Melotte Galaxy” 2012, *AJ*, submitted
- 32) **Levesque, E. M.**, Leitherer, C., Ekstrom, S., Meynet, G., & Schaerer, D. “The Effects of Stellar Rotation. I. Impact on the Ionizing Spectra and Integrated Properties of Stellar Populations” 2012, *ApJ*, submitted
- 31) Sanders, N. E., Soderberg, A. M., Valenti, S., Chomiuk, L., Berger, E., Smartt, S., Hurley, K., Barthelmy, S. D., Chornock, R., Foley, R. J., **Levesque, E. M.**, Narayan, G., Botticella, M. T., Briggs, M. S., Connaughton, V., Terada, Y., Gehrels, N., Golenetskii, S., Mazets, E., Cline, T., von Kienlen, A., Boynton, W., Chambers, K. C., Grav, T., Heasley, J. N., Hodapp, K. W., Jedicke, R., Kaiser, N., Kirshner, R. P., Kudritzki, R.-P., Luppino, G. A., Lupton, R. H., Magnier, E. A., Money, D. G., Morgan, J. S., Onaka, P. M., Price, P. A., Stubbs, C. W., Tonry, J. L., Wainscoat, R. J., & Waterson, M. F. “SN 2010ay is a Luminous and Broad-Lined Type Ic Supernova Within a Low-Metallicity Host Galaxy” 2012, *ApJ*, submitted
- 30) Soderberg, A. M., Margutti, R., Zauderer, B. A., Krauss, M., Katz, B., Chomiuk, L., Dittmann, J., Sakamoto, T., Kawai, N., Hurley, K., Barthelmy, S., Toizumi, T., Morii, M., Chevalier, R. A., Gurwell, M., Petitpas, G., **Levesque, E. M.**, Rupen, M., Alexander, K., Nakar, E., Fransson, C., Brunthaler, A., Bietenholz, M. A., Chugai, N., Connaughton, V., Briggs, M., Meegan, C., von Kienlen, A., Zhang, X., Rau, A., Golenetskii, S., Aptekar, R., Mazets, E., Pal'shin, V., Frederiks, D., Svinkin, D., & Cline, T. “Panchromatic Observations of SN 2011dh Point to a Compact Progenitor Star” 2012, *ApJ*, submitted
- 29) Chornock, R., Berger, E., **Levesque, E. M.**, Foley, R. J., Soderberg, A. M., Frebel, A., Simon, J. D., Bochanski, J. J., Challis, P. J., Kirshner, R. P., Sheppard, S. S., & Simcoe, R. A. “Spectroscopic Discovery of the Broad-Lined Type Ic Supernova 2010bh Associated with the Low-Redshift GRB 100316D” 2012, *ApJL*, submitted
- 28) Trenti, M., Perna, R., **Levesque, E. M.**, Shull, J. M., & Stocke, J. T. “Gamma-Ray Burst Host Galaxy Surveys at Redshift  $z > 4$ : Probes of Star Formation Rate and Cosmic Reionization” 2012, *ApJL*, in press
- 27) Georgy, C., Ekstrom, S., Meynet, G., Massey, P., **Levesque, E. M.**, Hirschi, R., Eggenberger, P., & Maeder, A. “Grids of stellar models with rotation II. WR populations and supernovae/GRB progenitors at  $Z = 0.014$ ” 2012, *A&A*, in press
- 26) van Dyk, S. D., Davidge, T. J., Elias-Rosa, N., Taubenberger, S., Li, W., **Levesque, E. M.**, Howerton, S., Pignata, G., Morrell, N., Hamuy, M., & Filippenko, A. V. “Supernova 2008bk and its Red Supergiant Progenitor” 2012, *AJ*, 143 19
- 25) Boesgaard, A. M., Rich, J. A., **Levesque, E. M.**, & Bowler, B. P. “Beryllium and Alpha-Element Abundances in a Large Sample of Metal-Poor Stars” 2011, *ApJ*, 743, 140
- 24) **Levesque, E. M.**, Berger, E., Soderberg, A. M., & Chornock, R. “Metallicity in the GRB 100316D SN2010bh Host Complex”, 2011, *ApJ*, 739, 23
- 23) Thone, C. C., Campana, S., Lazzati, D., Fynbo, J. P. U., de Ugarte Postigo, A., Christensen, L., Levan, A. J., Aloy, M. A., Hjorth, J., Jakobsson, P., **Levesque, E. M.**, Malesani, D., Milvang-Jensen, B., Roming, P. W. A., Tanvir, N. R., & Wiersema, K. “Variable Ly alpha sheds light on the environment surrounding GRB 090426” 2011, *MNRAS*, 414, 479
- 22) Foley, R. J., Berger, E., Fox, O., **Levesque, E. M.**, Challis, P. J., Ivans, I. I., Rhoads, J. E., & Soderberg, A. M. “The Diversity of Massive Star Outbursts I: Observations of SN 2009ip, UGC 2773 OT2009-1, and Their Progenitors” 2011, *ApJ*, 732, 32
- 21) Pignata, G., Stritzinger, M., Soderberg, A., Mazzali, P., Boldt, L., Morrell, N., Salgado, F., Anderson, J., Contreras, C., Folatelli, G., Forster, F., Gonzalez, S., Hamuy, M., Phillips, M. M., Krzeminski, W., **Levesque, E. M.**, Maza, J., Rest, A., Roth, M., Crain, J. A., Foster, A. C., Haislip, J. B., LaCluyze, A. P., Nysewander, M. C., & Reichart, D. E. “SN 2009bb: A Peculiar Broad-lined Type Ic Supernova” 2011, *ApJ*, 728, 14

- 20) **Levesque, E. M.**, Soderberg, A. M., Berger, E., & Kewley, L. J. “No Correlation Between Host Galaxy Metallicity and Gamma-ray Energy Release for Long-duration Gamma-ray Bursts” 2010, *ApJ*, 725, 1337
- 19) **Levesque, E. M.**, Kewley, L. J., Berger, E., & Zahid, H. J. “The Host Galaxies of Gamma-Ray Bursts II: A Mass-Metallicity Relation for Long-Duration Gamma-Ray Burst Host Galaxies” 2010, *AJ*, 140, 1557
- 18) **Levesque, E. M.**, Kewley, L. J., Graham, J. F., & Fruchter, A. S. “A High-Metallicity Host Environment for the Long-Duration GRB 020819” 2010, *ApJL*, 712, L26
- 17) Soderberg, A. M., Chakraborti, S., Pignata, G., Chevalier, R. A., Chandra, P., Ray, A., Wieringa, M. H., Copete, A., Chaplin, V., Connaughton, V., Barthelmy, S. D., Bietenholz, M. F., Chugai, N., Stritzinger, M. D., Hamuy, M., Fransson, C., Fox, O., **Levesque, E. M.**, Grindlay, J. E., Challis, P., Foley, R. J., Kirshner, R. P., Milne, P. A., & Torres, M. A. P. “Discovery of a Relativistic Supernova without a Gamma-ray Trigger”, 2010, *Nature*, 463, 513
- 16) **Levesque, E. M.**, Kewley, L. J., & Larson, K. “Theoretical Modeling of Star-Forming Galaxies I: Emission Line Diagnostics for Local and Low-Metallicity Galaxies” 2010, *AJ*, 139, 712
- 15) **Levesque, E. M.**, Berger, E., Kewley, L. J., & Bagley, M. “The Host Galaxies of Gamma-Ray Bursts I: ISM Properties of Ten Nearby Long-Duration GRB Hosts” 2010, *AJ*, 139, 694
- 14) **Levesque, E. M.**, Soderberg, A. M., Foley, R. J., Berger, E., Kewley, L. J., Chakraborti, S., Ray, A. K., Torres, M. A. P., Challis, P., Kirshner, R. P., Barthelmy, S. D., Bietenholz, M. F., Chandra, P., Chaplin, V., Chevalier, R. A., Chugai, N., Connaughton, V., Copete, A., Fox, O., Fransson, C., Grindlay, J. E., Hamuy, M. A., Milne, P. A., Pignata, G., Stritzinger, M. D., & Wieringa, M. H. “The High-Metallicity Explosion Environment of the Relativistic Supernova SN 2009bb” 2010, *ApJL*, 709, L26
- 13) **Levesque, E. M.**, Bloom, J. S., Butler, N. R., Perley, D. A., Cenko, S. B., Prochaska, J. X., Kewley, L. J., Bunker, A., Chen, H.-W., Chornock, R., Filippenko, A. V., Glazebrook, K., Lopez, S., Masiero, J., Modjaz, M., Morgan, A., & Poznanski, D. “GRB 090426: The Environment of a Rest-Frame 0.35-second Gamma-Ray Burst at a Redshift of 2.609” 2010, *MNRAS*, 401, 963
- 12) Massey, P., Silva, D. R., **Levesque, E. M.**, Plez, B., & Clayton, G. C. “Red Supergiants in the Andromeda Galaxy (M31)”, 2009, *ApJ*, 703, 420
- 11) Graham, J. F., Fruchter, A. S., Melandri, A., Levan, A. J., Kewley, L. J., **Levesque, E. M.**, Nysewander, M., Tanvir, N. R., Dahlen, T., & Bersier, D. “GRB 070714B - Discovery of the Highest Spectroscopically Confirmed Short Burst Redshift”, 2009, *ApJ*, 698, 1620
- 10) **Levesque, E. M.**, Massey, P., Plez, B., & Olsen, K. A. G. “The Physical Properties of the Red Supergiant WOH G64: The Largest Star Known?” 2009, *AJ*, 137, 4744
- 9) **Levesque, E. M.** and Kewley, L. J. “The Host Galaxy of GRB 060505: Host ISM Properties”, 2007, *ApJL*, 667, L121
- 8) **Levesque, E. M.**, Massey, P., Olsen, K. A. G., & Plez, B., “Late-Type Supergiants: Too Cool for the Magellanic Clouds?” 2007, *ApJ*, 667, 202
- 7) Oey, M. S., Meurer, G. R., Caballero-Nieves, S. M., Furst, E., Hanish, D. J., **Levesque, E. M.**, Thilker, D., Walth, G., Yelda, S., & the SINGG Team, “The HII Region Luminosity Function and Diffuse H $\alpha$  Emission in HI-Selected Galaxies from SINGG”, 2007, *ApJ*, 661, 801
- 6) Massey, P., **Levesque, E. M.**, Olsen, K. A. G., Plez, B., & Skiff, B. “HV 11423: The Coolest Supergiant in the SMC” 2007, *ApJ*, 660, 301
- 5) Heinz, S., Bruggen, M., Young, A., & **Levesque, E.** “The answer is blowing in the wind: simulating the interaction of jets with dynamic cluster atmospheres” 2006, *MNRAS*, 373, 65
- 4) Massey, P., **Levesque, E. M.**, Plez, B. “Bringing VY Canis Majoris Down to Size: An Improved Determination of Its Effective Temperature” 2006, *ApJ*, 646, 1203
- 3) **Levesque, E.M.**, Massey, P., Olsen, K.A.G., Plez, B., Josselin, E., Maeder, A., Meynet, G. “The Effective Temperatures and Physical Properties of Magellanic Cloud Red Supergiants: The Effects of Metallicity” 2006, *ApJ*, 645, 1102
- 2) Massey, P., Plez, B., **Levesque, E.M.**, Olsen, K.A.G., Josselin, E., Clayton, G. “The Effective Temperature Scale of Red Supergiants: When Smoke Gets In Your Eyes” 2005, *ApJ*, 634, 1286
- 1) **Levesque, E. M.**, Massey, P., Olsen, K.A.G., Plez, B., Josselin, E., Maeder, A., Meynet, G. “The Effective Temperature Scale of Galactic Red Supergiants: Cool, But Not As Cool As We Thought”, 2005, *ApJ* 628, 973

**NON-REFEREED**

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- 16) **Levesque, E. M.**, “Exploring the host environments of long-duration gamma-ray bursts” 2011, in proceedings of “GRBs 2010”, Vol. 1358, p. 271
  - 15) **Levesque, E. M.**, “Modeling the host galaxies of long-duration gamma-ray bursts”, 2011, in proceedings of “The Shocking Universe”, Italian Physical Society, Vol. 102
  - 14) Boesgaard, A. M., Rich, J. A., **Levesque, E. M.**, & Bowler, B. P., “New Beryllium results in halo stars from Keck/HIRES spectra” 2010, in “Proceedings of the IAU, Symposium 268”, p. 231
  - 13) **Levesque, E. M.** “The Physical Properties of Red Supergiants” 2010, in “Hot and Cool: Bridging Gaps in Massive Star Evolution”, Vol. 425, p. 103
  - 12) **Levesque, E.**, Chornock, R., Kewley, L., Bloom, J. S., Prochaska, J. X., Perley, D. A., Cenko, S. B., & Modjaz, M. “GRB 090426 Keck LRIS redshift” 2009, GCN Circular #9264
  - 11) Graham, J. F., Fruchter, A. S., Kewley, L. J., **Levesque, E. M.**, Levan, A. J., Tanvir, N. R., Reichart, D. E., Nysewander, M. “Unusually High Metallicity Host Of The Dark LGRB 051022” 2009, in “Proceedings of the Sixth Huntsville Gamma-Ray Burst Symposium”, Vol. 1133, p. 269
  - 10) Clayton, Geoffrey C., Freeman, W., Bright, S., Massey, P., Gordon, K. D., **Levesque, E.**, Plez, B., Olsen, K., Nordhaus, J. “Dust around red supergiants in the Magellanic Clouds” 2009, to appear in “Proceedings of the IAU, Symposium 256”, p. 411
  - 9) **Levesque, E. M.**, Massey, P., Olsen, K. A. G., & Plez, B. “The Coolest Stars in the Clouds: Unusual Red Supergiants in the Magellanic Clouds” 2009, ASPCS, “The Biggest, Baddest, Coolest Stars”, Vol. 412, p. 33
  - 8) Massey, P., Plez, B., **Levesque, E. M.**, Olsen, K. A. G., Silva, D. R., & Clayton, G. C. “The Physical Properties of Red Supergiants” 2009, ASPCS, “The Biggest, Baddest, Coolest Stars”, Vol. 412, p. 3
  - 7) **Levesque, E. M.**, Kewley, L. J., Larson, K., & Snijders, L. “Modeling the ISM Properties of Metal-Poor Galaxies and Gamma-Ray Burst Hosts” 2008, in “Proceedings of the IAU, Symposium 255”, p. 162
  - 6) Meynet, G., Walborn, N. R., Hunter, I., Martayan, C., van Marle, A. J., Marchenko, S., Vink, J. S., Limongi, M., **Levesque, E. M.**, & Modjaz, M. “Evolution of Massive Stars at Low Metallicity” 2008, in “Proceedings of the IAU, Symposium 250”, p. 571
  - 5) Massey, P., **Levesque, E. M.**, Olsen, K. A. G., & Plez, B. “The Physical Properties of Red Supergiants: Comparing Theory and Observations” 2008, to appear in “Proceedings of IAU, Symposium 250”, p. 97
  - 4) Massey, P., Plez, B., **Levesque, E. M.**, Olsen, K. A. G., Silva, D. R., & Clayton, G. C. “The Physical Properties of Red Supergiants”, in “Massive Stars: Fundamental Parameters and Circumstellar Interactions” 2008, Rev. Mex. (Serie de Conferencias), Vol. 33, p. 29
  - 3) Heinz, S., Bruggen, M., Ruszkowski, M., Young, A., **Levesque, E.** 2008, “Jet Feedback in Clusters: Simulating the Interaction of Jets with Dynamic Cluster Atmospheres” 2008, in “Extragalactic Jets: Theory and Observation from Radio to Gamma Ray ASP Conference Series”, Vol. 386, p. 327
  - 2) Boesgaard, A. M., **Levesque, E. M.**, Rich, J. A. “Beryllium in the Oldest Stars” 2008, in “First Stars III” AIP conference proceedings, Vol. 990, p. 164
  - 1) Heinz, S., Bruggen, M., Young, A., & **Levesque, E.** “Simulations of Jets in Dynamic Galaxy Cluster Atmospheres” 2007, in “Heating Versus Cooling in Galaxies and Clusters of Galaxies”, Springer-Verlag Berlin, Heidelberg, p. 197

**OTHER**

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- 1) **Levesque, Emily**, “Discovering the Largest Stars”, *Lowell Observer*, Spring 2005