

PUBLICATIONS: SAURABH W. JHA

saurabh@physics.rutgers.edu

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Journal Articles

- 96 "Single or Double Degenerate Progenitors? Searching for Shock Emission in the SDSS-II Type Ia Supernovae," B. T. Hayden, P. M. Garnavich, D. Kasen, B. Dilday, J. A. Frieman, **Saurabh W. Jha**, H. Lampeitl, R. C. Nichol, M. Sako, D. P. Schneider, M. Smith, J. Sollerman, and J. C. Wheeler, 2010, ApJ, in press, arXiv:1008.4797
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- 90 "A Measurement of the Rate of Type Ia Supernovae in Galaxy Clusters from the SDSS-II Supernova Survey," B. Dilday, B. Bassett, A. Becker, R. Bender, F. Castander, D. Cinabro, J. A. Frieman, L. Galbany, P. Garnavich, A. Goobar, U. Hopp, Y. Ihara, **Saurabh W. Jha**, R. Kessler, H. Lampeitl, J. Murriner, R. Miquel, M. Mollá, R. C. Nichol, J. Nordin, A. G. Riess, M. Sako, D. P. Schneider, M. Smith, J. Sollerman, J. C. Wheeler, L. Östman, D. Bizyaev, H. Brewington, E. Malanushenko, V. Malanushenko, D. Oravetz, K. Pan, A. Simmons, and S. Snedden, 2010, ApJ, 715, 1021

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 - 4 "Observational Evidence from Supernovae for an Accelerating Universe and a Cosmological Constant," Adam G. Riess, Alexei V. Filippenko, Peter Challis, Alejandro Clocchiatti, Alan Diercks, Peter M. Garnavich, Ron L. Gilliland, Craig J. Hogan, **Saurabh Jha**, Robert P. Kirshner, B. Leibundgut, M. M. Phillips, David Reiss, Brian P. Schmidt, Robert A. Schommer, R. Chris Smith, J. Spyromilio, Christopher Stubbs, Nicholas B. Suntzeff, and John Tonry, 1998, *AJ*, 116, 1009
 - 3 "The membership of Uggren One," Robert P. Stefanik, Joseph R. Caruso, Guillermo Torres, **Saurabh Jha**, and David W. Latham, 1997, *Baltic Astronomy*, 6, 137
 - 2 "The Hierarchical Triple System HD 109648," **Saurabh Jha**, Guillermo Torres, Robert P. Stefanik, and David W. Latham, 1997, *Baltic Astronomy*, 6, 55
 - 1 "A Planet Orbiting the Star Rho Coronae Borealis," Robert W. Noyes, **Saurabh Jha**, Sylvain G. Korzennik, Martin Krockenberger, Peter Nisenson, Timothy M. Brown, Edward J. Kennelly, and Scott D. Horner, 1997, *ApJ*, 483, L111 (erratum: *ApJ* 587, L195)

Selected Talks, Posters, and Conference Proceedings

- “Reddening of Type Ia Supernovae: Implications for Progenitors,” Lorentz Center, University of Leiden, Netherlands (contributed talk, 9/2010)
- “Surveying the Universe with Supernovae,” New Jersey Astronomy Group, Montclair State University, New Jersey (invited talk, 7/2010)
- “Surveying the Universe with Supernovae,” STAR Astronomy Club, Brookdale Community College, New Jersey (invited talk, 3/2010)
- “Cosmology with Supernovae: Progress and Prospects,” Astronomy Colloquium, Yale University (invited talk 2/2010)
- “Surveying the Universe with Supernovae,” Amateur Astronomers, Inc., Union County College, New Jersey (invited talk, 2/2010)
- “Cosmology with Supernovae: Progress and Prospects,” Pontifica Universidad Católica, Santiago, Chile (invited talk, 12/2009)
- “Surveying the Universe with Supernovae,” Tri-State Astronomy Conference, CUNY (invited talk, 10/2009)
- “SN 2002cx-like Supernovae: The Power of Nebular Spectroscopy,” Stellar Death and Supernovae, KITP, UC Santa Barbara (invited talk, 8/2009)
- “HST and Ground-Based Observations of SN 2008A: A Peculiar SN 2002cx-like Type Ia Supernova,” Curtis McCully, **Saurabh W. Jha**, R. Chornock, M. Ganeshalingam, W. Li, J. Silverman, T. Steele, A. Filippenko, P. Garnavich, R. Foley, A. Riess, Stellar Death and Supernovae, KITP, UC Santa Barbara (poster, 8/2009)
- “The SDSS SN Survey: Cosmological Results,” The Invisible Universe, Palais d’UNESCO, Paris (contributed talk, 7/2009)
- “Clues to SN Ia Progenitors from the SDSS SN Survey,” SN Ia Progenitor Workshop, Princeton University (invited talk, 4/2009)
- “Quintessence or Dust? Progress and Prospects for SN Ia Cosmology,” Astrophysics Seminar, University of Pennsylvania (invited talk, 10/2008)
- “The SDSS SN Survey: Results and Prospects,” A Decade of Dark Energy, Space Telescope Science Institute May Symposium (contributed talk, 5/2008)
- “Quintessence or Dust? Progress and Prospects for SN Ia Cosmology,” Department of Astrophysical Sciences, Princeton University (invited talk, 4/2008)
- “The Low-z SN Ia Sample: Critical to Cosmology,” The Interconnection between Particle Physics and Cosmology 2007, Texas A&M (invited talk, 5/2007)
- “A Confounding Class of Peculiar Type Ia Supernovae?” Accretion and Explosion: the Astrophysics of Degenerate Stars, KITP, UC Santa Barbara (invited talk, 5/2007)

- "The Low-z SN Ia Sample: Critical to Cosmology," Paths to Exploding Stars: Accretion and Eruption, KITP, UC Santa Barbara (contributed talk, 3/2007)
- "The SDSS SN Survey," SN 1987A: 20 Years After, Supernovae and Gamma-Ray Bursters, Aspen Center for Physics (contributed talk, 2/2007)
- "Cosmology and Astrophysics from the SDSS SN Survey," 23rd Texas Symposium on Relativistic Astrophysics, Melbourne, Australia (contributed talk, 12/2006)
- "Dark Energy and the Accelerating Universe," Center for Talented Youth Space and Astronomy Day, SLAC (invited talks, 10/2006)
- "Nearby Type Ia Supernovae: Critical to Cosmology," One Millennium After SN 1006 conference, Hangzhou, China (invited talk, 5/2006)
- "Surveying the Universe with Supernovae," Beijing Normal University, China (invited talk, 5/2006)
- "Nearby Type Ia Supernovae," INPA and Lawrence Berkeley National Laboratory (invited talk, 3/2006)
- "Surveying the Universe with Supernovae," Department of Physics and Astronomy colloquium, Ohio University (invited talk, 3/2006)
- "Surveying the Universe with Supernovae," Department of Physics and Astronomy seminar, Rutgers University (invited talk, 2/2006)
- "Surveying the Universe with Supernovae," Lawrence Livermore National Laboratory (invited talk, 2/2006)
- "Cosmology with Supernovae: Today and Tomorrow," KIPAC and Stanford University (invited talk, 1/2006)
- "Surveying the Universe with Supernovae," Miller Institute for Basic Research in Science, University of California, Berkeley (invited talk, 5/2005)
- "Before the Future: Current Samples and Applications of Nearby SN Ia," Ground-Based Supernova Surveys, Center for Cosmological Physics, University of Chicago (contributed talk, 11/2003)
- "Early Time Optical Follow-up of GRBs with KAIT," IAU Colloquium 192, Supernovae (10 Years of SN 1993J), Valencia, Spain (contributed talk, 4/2003)
- "Nearby Type Ia Supernovae and Cosmology," Dept. of Astronomy colloquium, UC Berkeley (invited talk, 4/2003)
- "Prompt Observations of GRB 021211 with KAIT," **S. Jha**, W. Li, R. Chornock, and A. V. Filippenko, American Astronomical Society Meeting 201, Seattle (poster, 1/2003)
- "Exploding Stars Near and Far," Institute for Astronomy, University of Hawaii (invited talk, 11/2002)
- "Supernovae and Cosmology," Fundamentals of Contemporary Astronomy taught by Prof. Rosanne Di Stefano, Harvard Summer School (guest lecture, 7/2002)
- "Type Ia Supernovae as Distance Indicators: From the Ultraviolet to the Infrared," **S. Jha**, R. P. Kirshner, P. M. Challis, and P. M. Garnavich, American Astronomical Society Meeting 197, San

Diego (talk, 1/2001)

- “New Observations of Type Ia Supernovae: More than Meets the Eye,” **S. Jha**, 20th Texas Symposium on Relativistic Astrophysics, Austin, TX (invited talk, 12/2000)
- “Current and Future Searches for High-Redshift Supernovae,” **S. Jha**, Theory Division, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA (talk, 11/2000)
- “Testing Cosmic Acceleration from Type Ia Supernovae,” **S. Jha**, N. B. Suntzeff and the High-Z SN Search Team, International Astronomical Union Symposium 201, Manchester, UK (invited talk, 8/2000), proceedings (astro-ph/0101521)
- “Multicolor Observations of a Planetary Transit of HD 209458,” **S. Jha**, D. Charbonneau, P. M. Garnavich, D. J. Sullivan, T. Sullivan, T. M. Brown, and J. L. Tonry, International Astronomical Union Symposium 202, Manchester, UK (poster, 8/2000)
- “Supernovae and the Hubble Constant,” **S. Jha**, Optical and Infrared Division, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA (talk, 4/2000)
- “The Type-Ia Supernova 1998bu in M96 and the Hubble Constant,” **S. Jha** et al., 1999, American Astronomical Society Meeting 193, Austin, TX (poster)
- “Supernova Limits on the Cosmic Equation of State,” P. Garnavich, **S. Jha**, et al., 1999, American Astronomical Society Meeting 193, Austin, TX (poster)
- “Recent Supernova Light Curves,” **S. Jha**, P. Garnavich, P. Challis, A. Soderberg, and R. Kirshner, 1997, Supernova Explosions: Their Causes and Consequences, Institute for Theoretical Physics, University of California at Santa Barbara, CA (poster)
- “Orbital Characteristics of Extrasolar Planets and Brown Dwarfs,” **S. Jha**, 1997, 10th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, Cambridge, MA (poster)
- “Asteroseismology with the AFOE,” T. Brown, E. Kennelly, S. Horner, **S. Jha**, S. Korzennik, M. Krockenberger, P. Nisenson, and R. W. Noyes, 1997, 10th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, Cambridge, MA (poster)
- “The Hierarchical Triple System HD 109648,” **S. Jha**, G. Torres, R. P. Stefanik, and D. W. Latham, 1997, *Baltic Astronomy*, 6, 55 (talk at “Thirty Years of Astronomy at the Van Vleck Observatory: A Meeting in Honor of Arthur R. Uggren,” Wesleyan University, CT, 4/1996)
- “The Membership of Uggren One,” R. P. Stefanik, J. R. Caruso, G. Torres, **S. Jha**, and D. W. Latham, 1997, *Baltic Astronomy*, 6, 137 (poster)
- “The AFOE Program of Extra-Solar Planet Research,” R. Noyes, **S. Jha**, S. Korzennik, P. Malloy, M. Krockenberger, P. Nisenson, T. Brown, E. Kennelly, and S. Horner, 1996, STScl Workshop on Planets Beyond the Solar System (poster)

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