

STELLAR KINEMATICS AND METALLICITIES IN THE ULTRA-FAINT DWARF GALAXY RETICULUM II

J. D. SIMON,¹ A. DRLICA-WAGNER,² T. S. LI,³ B. NORD,² M. GEHA,⁴ K. BECHTOL,⁵ E. BALBINOT,^{6,7} E. BUCKLEY-GEER,²
H. LIN,² J. MARSHALL,³ B. SANTIAGO,^{8,7} L. STRIGARI,³ M. WANG,³ R. H. WECHSLER,^{9,10,11} B. YANNY,² T. ABBOTT,¹²
A.H. BAUER,¹³ G. M. BERNSTEIN,¹⁴ E. BERTIN,^{15,16} D. BROOKS,¹⁷ D. L. BURKE,^{10,11} D. CAPOZZI,¹⁸
A. CARNERO ROSELL,^{7,19} M. CARRASCO KIND,^{20,21} C. B. D'ANDREA,¹⁸ L. N. DA COSTA,^{7,19} D. L. DEPOY,³ S. DESAI,²²
H. T. DIEHL,² S. DODELSON,^{2,5} C. E. CUNHA,¹⁰ J. ESTRADA,² A. E. EVRARD,²³ A. FAUSTI NETO,⁷ E. FERNANDEZ,²⁴
D. A. FINLEY,² B. FLAUGHER,² J. FRIEMAN,^{2,5} E. GAZTANAGA,¹³ D. GERDES,²³ D. GRUEN,^{25,26} R. A. GRUENDL,^{20,21}
K. HONSCHEID,^{27,28} D. JAMES,¹² S. KENT,² K. KUEHN,²⁹ N. KUROPATKIN,² O. LAHAV,¹⁷ M. A. G. MAIA,^{7,19} M. MARCH,¹⁴
P. MARTINI,^{27,30} C. J. MILLER,^{31,23} R. MIQUEL,²⁴ R. OGANDO,^{7,19} A. K. ROMER,³² A. ROODMAN,^{10,11} E. S. RYKOFF,^{10,11}
M. SAKO,¹⁴ E. SANCHEZ,³³ M. SCHUBNELL,²³ I. SEVILLA,^{33,20} R. C. SMITH,¹² M. SOARES-SANTOS,² F. SOBREIRA,^{2,7}
E. SUCHYTA,^{27,28} M. E. C. SWANSON,²¹ G. TARLE,²³ J. THALER,³⁴ D. TUCKER,² V. VIKRAM,³⁵ A. R. WALKER,¹² AND
W. WESTER²
(DES COLLABORATION)

¹*Carnegie Observatories, 813 Santa Barbara St., Pasadena, CA 91101, USA*

²*Fermi National Accelerator Laboratory, P. O. Box 500, Batavia, IL 60510, USA*

³*George P. and Cynthia Woods Mitchell Institute for Fundamental Physics and Astronomy, and Department of Physics and Astronomy, Texas A&M University, College Station, TX 77843, USA*

⁴*Astronomy Department, Yale University, New Haven, CT 06520, USA*

⁵*Kavli Institute for Cosmological Physics, University of Chicago, Chicago, IL 60637, USA*

⁶*Department of Physics, University of Surrey, Guildford GU2 7XH, UK*

⁷*Laboratório Interinstitucional de e-Astronomia - LIneA, Rua Gal. José Cristino 77, Rio de Janeiro, RJ - 20921-400, Brazil*

⁸*Instituto de Física, UFRGS, Caixa Postal 15051, Porto Alegre, RS - 91501-970, Brazil*

⁹*Department of Physics, Stanford University, 382 Via Pueblo Mall, Stanford, CA 94305, USA*

¹⁰*Kavli Institute for Particle Astrophysics & Cosmology, P. O. Box 2450, Stanford University, Stanford, CA 94305, USA*

¹¹*SLAC National Accelerator Laboratory, Menlo Park, CA 94025, USA*

¹²*Cerro Tololo Inter-American Observatory, National Optical Astronomy Observatory, Casilla 603, La Serena, Chile*

¹³*Institut de Ciències de l'Espai, IEEC-CSIC, Campus UAB, Facultat de Ciències, Torre C5 par-2, 08193 Bellaterra, Barcelona, Spain*

¹⁴*Department of Physics and Astronomy, University of Pennsylvania, Philadelphia, PA 19104, USA*

¹⁵*Sorbonne Universités, UPMC Univ Paris 06, UMR 7095, Institut d'Astrophysique de Paris, F-75014, Paris, France*

¹⁶*Institut d'Astrophysique de Paris, Univ. Pierre et Marie Curie & CNRS UMR7095, F-75014 Paris, France*

¹⁷*Department of Physics & Astronomy, University College London, Gower Street, London, WC1E 6BT, UK*

¹⁸*Institute of Cosmology & Gravitation, University of Portsmouth, Portsmouth, PO1 3FX, UK*

¹⁹*Observatório Nacional, Rua Gal. José Cristino 77, Rio de Janeiro, RJ - 20921-400, Brazil*

²⁰*Department of Astronomy, University of Illinois, 1002 W. Green Street, Urbana, IL 61801, USA*

²¹*National Center for Supercomputing Applications, 1205 West Clark St., Urbana, IL 61801, USA*

²²*Department of Physics, Ludwig-Maximilians-Universitaet, Scheinerstr. 1, 81679 Muenchen, Germany*

²³*Department of Physics, University of Michigan, Ann Arbor, MI 48109, USA*

²⁴*Institut de Física d'Altes Energies, Universitat Autònoma de Barcelona, E-08193 Bellaterra, Barcelona, Spain*

²⁵*Max Planck Institute for Extraterrestrial Physics, Giessenbachstrasse, 85748 Garching, Germany*

²⁶*University Observatory Munich, Scheinerstrasse 1, 81679 Munich, Germany*

²⁷*Center for Cosmology and Astro-Particle Physics, The Ohio State University, Columbus, OH 43210, USA*

²⁸*Department of Physics, The Ohio State University, Columbus, OH 43210, USA*

²⁹*Australian Astronomical Observatory, North Ryde, NSW 2113, Australia*

³⁰*Department of Astronomy, The Ohio State University, Columbus, OH 43210, USA*

³¹*Department of Astronomy, University of Michigan, Ann Arbor, MI 48109, USA*

³²*Department of Physics and Astronomy, Pevensey Building, University of Sussex, Brighton, BN1 9QH, UK*

³³*Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT), Madrid, Spain*