

Erika Lynn Wagoner

Curriculum Vitae

PERSONAL DETAILS

Department of Physics
University of Arizona
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Tucson, AZ, 85716

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RESEARCH INTERESTS

My research interests lie in cosmology, especially the analysis of cosmological survey data. I have focused primarily on the use of photometric data in studying the cosmic expansion history. I am a member of both the Dark Energy Survey (DES) and Large Synoptic Survey Telescope (LSST), so my work is primarily focused on optimally analyzing the data from these two surveys.

EDUCATION

B.S. in Physics and Astronomy

2010-2014

The Ohio State University

Advisor: Jennifer Johnson

HONORS AND AWARDS

2014 Smith Senior Award, Ohio State Department of Physics

2014 Denman Undergraduate Research Forum Runner-up

2013 Smith Junior Award, Ohio State Department of Physics

PROFESSIONAL EXPERIENCE

Research Assistant

2015-Present

University of Arizona

Undergraduate Researcher

2013-2014

The Ohio State University

Through the Summer Undergraduate Research Program in Astronomy.

Undergraduate Researcher

2012

The Ohio State University

Advisor: L. Stanley Durkin

SKILLS

<i>Languages</i>	English (native tongue) French (semi-fluent)
<i>Software</i>	L ^A T _E X, PYTHON, C++, MATHEMATICA, SQL

COLLABORATION MEMBERSHIPS

Dark Energy Survey (DES) collaboration
Large Synoptic Survey Telescope (LSST) Dark Energy Science Collaboration (DESC)

TEACHING EXPERIENCE

Teaching Assistant

2014

University of Arizona

Courses: Introductory physics (classical mechanics)

Physics Tutor

2011-2014

The Ohio State University

Courses: Algebra and calculus based introductory physics sequences

PUBLICATIONS

1. *Testing Stellar Models for M Dwarfs*. **Wagoner, E. L.** <http://hdl.handle.net/1811/60400>
2. *Examining the relationships between colour, T_{eff} , and $[M/H]$ for APOGEE K and M dwarfs*. Schmidt, S. J., **Wagoner, E. L.**, Johnson, J. A., et al. 2016 MNRAS 460 2611

REFERENCES

Available upon request