

2013 Undergraduate Research Symposium Reviews

1. Title/Speaker: John Hoffman, Constraining the Physics of Inflation with Large Scale Structure

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

2. Title/Speaker: Guannan Liu, Fluorescence Microscopy Determines Kinesis Takes 8-nm Steps

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

3. Title/Speaker: Cory Alford, Single-Photon Detection and the Visual Sensitivity Function

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

4. Title/Speaker: Shannon Glavin, An Empirical Galaxy Group Finder

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

Deposit your completed form in the PHYS 496 homework box no later than 6:30 p.m. on February 1, 2013.

5. Title/Speaker: Natasha Sachdeva, Wall Relaxation of Polarized ^3He in Superfluid ^4He

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

6. Title/Speaker: Kevin Sebesta, Educational Astronomy Simulations in JavaScript

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

7. Title/Speaker: Ran Bi, Simulations for the DC56 Drift Chambers

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

8. Title/Speaker: Matthew Wraith, Avalanche Statistics in Micro-pillar Compression

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

9. Title/Speaker: Matthew Coon, Barium Ion Studies for the Enriched Xenon Observatory

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

10. Title/Speaker: Martin Graham, Making Walkers Run: An Investigation of Local Error Optimization in Diffusion Monte Carlo

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

11. Title/Speaker: Ryan Swindeman, Mean-field Behavior of Seismic-moment Statistics Near Critical Rake

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

12. Title/Speaker: James Antonaglia, Tuned Critical Avalanche Scaling in Amorphous Systems

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

13. Title/Speaker: Cheng Wan, Looking for Majorana Fermions in Topological Insulators Using Tunnel Junctions

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

14. Title/Speaker: A Special Bond: Measuring the Adhesion Energy and Bonding Mechanism of Graphene

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

15. Title/Speaker: Nicholas D'Anna, Development of Magnetic Resonance Force Microscopy Using Silicon Nanowires as Nanomechanical Oscillators

Main point(s) of the presentation:

What were the speaker's strengths? Weaknesses?

Don't forget to rank the top three speakers on the next page!

Rank the three best speakers, and justify your rankings:

1.

2.

3.