University of Rochester
Summer 2013 undergraduate research in Physics, Optics, and Astronomy

Benjamin Augenbraun, class of '15 at

Catherine Harmer, class of '15 at Yale University, conducted paleomagnetic experiments on Darwin impact glass to test for impact-generated magnetic fields with Prof. John Tarduno. She plans to attend graduate school.

Kevin Howard, class of '15 at Canisius College, worked with Dr. Brendan Mort and the Center for Integrated Research Computing on investigating the basis set and functional dependencies of the calculation of molecular response properties. He plans to apply to graduate school for physics.

Surendra Hazarie, class of '15 at University of Rochester. Studied the process of fiber coupling and the changes in laser diode wavelength over time under Prof. Nicholas Bigelow. He plans on attending graduate school for physics.

Daniel Pfeffer, class of '14 at Case Western Reserve University, worked with Prof. Eric Blackman on simulating the accretion rate of white dwarfs from disk within the envelope of AGB stars using AstroBEAR 2.0. He plans on applying to graduate schools in physics.

Andrew Roberts, class of '15 at SUNY Geneseo, worked with Prof. Eric Mamajek on a survey for massive runaway stars originating the Sco-Cen OB association. He plans on applying to graduate school in physics.

Saurav Sharma, class of '14 at the University of Rochester, worked with Prof. Esther Conwell to study the effects of electric fields on DNA. He plans on applying to graduate school for physics.

Kevin Silverstein, class of '15 at The University of Rochester, worked with Prof. Kevin McFarland on the search for the lambda particle produced by neutrino interactions using Fermilab's beam, NuMI and detector, MINERvA. He plans on applying to graduate school in physics.

Robert Sims, class of '14 at University of Rochester, worked with Prof. Arie Bodek on a method to reconstruct neutrino energy in two track quasielastic events with exiting muons and inverse muon decay in neutrino scattering data f q 0.24 (no s) -0.2 (c)-0.2 (E) (R(h)]TJ ET Q 0.24 0