

Skyler Kasko, class of '14 at Brandeis University, worked with Prof. Aran Garcia-Bellido on optimizing the Higgs analysis in the channel $H \rightarrow ZZ^* \rightarrow (qq)(ll)$ for the low-mass range using Monte Carlo samples from the Compact Muon Solenoid experiment at CERN. He plans to apply to graduate school in particle physics.

Sam Kastner, a physics and music double major in the class of '15 at Skidmore College, worked with Prof. John Tarduno's group and conducted paleomagnetic studies on dunite from the Isle of Skye in northern Scotland. He plans to go to graduate school for physics.

Emily Kraus, class of '13 at the University of Rochester, studied a local population of magnetotactic bacteria and their relevance to the field of paleomagnetism with Prof. John Tarduno and Dr. Rory Cottrell. She plans on applying to graduate school for environmental science.

Kara Kundert, class of '15 at Oberlin worked with Prof. Judy Pipher on studying infrared detector arrays. She will apply to graduate school in astrophysics.

Alexandra Kuznetsov, class of '14 at the University of Rochester, used magnetic analysis of the NWA 5480 meteorite to study paleofields on the asteroid 4 Vesta with Prof. John Tarduno. She plans to apply to graduate school for astrophysics.

Philippe Lewalle, class of '14 at University of Rochester, studied the theory behind superconducting qubits and quantum harmonic oscillators with Prof. Joseph Eberly. He plans to apply for graduate school in physics or engineering.

Laura Maher, class of '14 at Grove City College, studied the use of adaptive optics on a 1km free space thick turbulence system for future implementation in a quantum communication system with Prof. Robert Boyd. She plans to apply to graduate school in physics.

Kelly Malone, class of '13 at the University of Massachusetts Amherst, worked with Dr. Gabriel Perdue and Prof. Kevin McFarland on vertex reconstruction in the search for long-lived, weakly-interacting particle decays to opposite-sign dimuon pairs in front of the MINERvA detector. She plans on applying to graduate school in physics.

Dilyana Mihaylova class of '13 at University of Rochester, studied single photon sources and did computer modeling of plasmonic structures with Dr. Svetlana Lukishova. She plans to apply to graduate school for material science.

Michelle Storms, class of '14 at Ohio Wesleyan University, worked with Dr. Gabriel Perdue and Prof. Kevin McFarland conducting a search for unexplained neutral particle decays into opposite-sign di-muon events in data from the first MINERvA detector run at Fermilab. She plans to apply to graduate school for high energy physics.

Rachel Stuart, class of '14 at the University of Rochester, studied conduction of a positive hole inserted into strands of Adenine-

Hannah Tanquary, class of '13