

Columbia Department of Physics PhD Graduates

September 2018

Maximilian Abitbol

"Studying the effects of galactic and extragalactic foregrounds on cosmic microwave background observations."

Dissertation Sponsor and Research Advisor: Professor Bradley Johnson

Heather McCarrick

"Design and performance of kinetic inductance detectors for cosmic microwave background polarimetry."

Dissertation Sponsor and Research Advisor: Professor Bradley Johnson

Zachary Greene

"XENONIT: Spin-independent WIMP dark matter results and a model to characterize the reduction of electronegative impurities in its 3/2 ton liquid xenon detector."

Dissertation Sponsor and Research Advisor: Professor Elena Aprile