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Evaluating the impact of sophisticated lab practices in introductory physics labs. KELSEY FUNKHOUSER, MARCOS D. CABALLERO , VASHTI SAWTELLE, Michigan State Univ — Recently there have been calls to incorporate authentic physics practices into undergraduate curriculum, for example the AAPT Recommendations for Undergraduate Physics Laboratory Courses. At Michigan State University we have been designing new physics labs to address this call. In this study we are looking at how undergraduate students in the course talk about the lab practices and how their perspectives of lab practices change over the span of this introductory lab. We have studied the way intro lab students understand lab practices in two ways: (1) we have analyzed shifts in the responses on the Colorado Learning Attitudes About Science Survey for Experimental Physics (E-CLASS) and (2) we have examined the ways students talk about these practices in interviews. We will present results that demonstrate that these introductory students are developing an understanding of sophisticated lab practices

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