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The CHEPREO Project: Results from the Undergraduate Learning Community¹ VANESSA GAULTNEY, LAIRD KRAMER, PETE MARKOWITZ, GEORGE O'BRIEN, PRISCILLA PAMELA, JEFF SAUL, Florida International University — The Inter-Regional Grid-enabled Center for High-Energy Physics Research Education and Outreach (CHEPREO) is a NSF-supported project that is building a learning community centered around high-energy physics, grid computing, and high speed networking. CHEPREO's goal is to generate excitement about physics and science in general, support inquiry-based instructional methods in the classroom, and increase physics enrollment at both the high school and college level. These changes are affected through our community of high school students and teachers, undergraduate and graduate students, and university faculty in diverse South Florida. CHEPREO's efforts are based on physics modeling, QuarkNet, and Treisman-based study groups, integrating these programs into a high-energy physics-based research program supplemented by newly developed materials. We will report on results from the undergraduates involved in the project's first 24 months of operation.

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