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Who Ordered That? CHRIS POLLY, FNAL

Just as early 20th century physicists were starting to believe the sub-atomic world was understood, the muon showed up and turned science upside down. Throughout the years it has fueled discoveries and become a uniquely sensitive tool for probing physics beyond the standard model. Now a next generation of experiments is underway, where once again the muon is taking center stage. The new Muon Campus at Fermilab will produce the worlds most intense muon sources in the quest for new physics. The Muon g-2 experiment will address the 20-year old question of whether or not new physics has already been observed in the anomalous magnetic moment, while Mu2e will have unprecedented sensitivity to discern if charged leptons morph like their neutral cousins. This talk will focus on describing the current muon program at Fermilab along with future prospects.