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Neutrinos and Fundamental Symmetries: An Era of Discovery ROBERT MCKEOWN, Caltech

The last decade has produced remarkable discoveries in neutrino physics including the only laboratory evidence to date for physics beyond the Standard Model. New neutrino experiments are planned to further explore the properties of neutrinos and to continue this era of neutrino discoveries. In addition, new experimental programs are poised to explore the Terascale, where massive new particles in the TeV range are expected to be discovered. These new experiments include measurements of fundamental symmetries that can help reveal the nature of new physics at the Terascale (and beyond) and provide complementary information to direct searches for new particles at the Large Hadron Collider. I will present an overview of the exciting prospects for new discoveries in these areas of experimental research.