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### **Flavor Physics in the Coming Era**

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Decades of intense experimental and theoretical effort in flavor physics has established a foundation from which incisive probes of physics beyond the Standard Model can be performed. Our most compelling theories of “Terascale” (TeV energy scale) physics typically predict new contributions to flavor-violating processes involving quarks. New particles predicted by Terascale physics are expected to have flavor-violating and CP-violating couplings. The rich program of experiments at B factories and elsewhere have unexpectedly found no clear signals of such contributions, which in turn tightly constrains the space for new physics. The “Minimal Flavor Violating” world we find ourselves in motivates a new program of precision experiments that can build on the strong theoretical foundation that exists today in flavor physics. This lecture will review where precision flavor experiments at the “Intensity Frontier” are at today and what the prospects are for advancing probes of new physics through precision experiments at next-generation Intensity Frontier facilities.