Abstract for an Invited Paper for the APR09 Meeting of The American Physical Society

J. J. Sakurai Prize for Theoretical Particle Physics Talk: Perturbative QCD: from the Tevatron to the LHC R. KEITH ELLIS, Fermilab

Recent progress in perturbative QCD is described, with special emphasis on one-loop corrections to processes with large numbers of jets. These processes constitute important backgrounds for new physics searches at hadron colliders.