

Abstract Submitted
for the SES17 Meeting of
The American Physical Society

Higher-order corrections for t gamma production with anomalous couplings¹ MATTHEW FORSLUND, NIKOLAOS KIDONAKIS, Kennesaw State Univ — We present calculations of higher-order soft-gluon corrections for t gamma production with anomalous t-q-gamma couplings. We include NLO and NNLO soft-gluon corrections, and present results for the total cross sections at various LHC energies. We provide NLO and NNLO K-factors that show the importance of these corrections compared to leading-order results.

¹This material is based upon work supported by the National Science Foundation under Grant No. PHY 1519606.

Matthew Forslund
Kennesaw State Univ

Date submitted: 02 Oct 2017

Electronic form version 1.4