Abstract Submitted
for the TSF14 Meeting of
The American Physical Society

The Geneva Monte Carlo Framework CALVIN BERGGREN, Texas Lutheran University, SIMONE ALIOLI, CHRISTIAN BAUER, Lawrence Berkeley National Laboratory, FRANK TACKMANN, DESY, JONATHAN WALSH, SABA ZUBERI, Lawrence Berkeley National Laboratory — The Geneva Monte Carlo framework is a next-generation event generator capable of combining higher-order resummation (NNLL) of large Sudakov logarithms with multiple next-to-leading-order (NLO) matrix-element corrections and parton showering (using Pythia 8) to give a complete description at the next higher perturbative accuracy in alpha_s at both small and large jet resolution scales. Results for e+e- + jets compared to LEP data and for Drell-Yan production are presented.

Calvin Berggren
Texas Lutheran University

Date submitted: 26 Sep 2014 Electronic form version 1.4