QEDxQCD Exponentiation and Shower/ME Matching at the LHC BENNIE WARD, Baylor University, STANISLAW JADACH, INP, Cracow, Poland, MIKHAIL KALMYKOV, Baylor University, SCOTT YOST, Baylor University — We present the theory of QEDxQCD exponentiation for LHC processes with an eye toward shower/ME matching. We show that we can systematically improve the attendant MC or semi-analytical results order by order in perturbation theory without double counting while treating the respective phase space exactly.

Bennie Ward
Baylor University

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