Parameter Settings optimized Random Forest: multiplicative step size decay Normalized Number of Events  $10^{-1}$  $10^{-2}$  $\xi = 1.5$ , WD = 0.00071  $\xi = 2$ , WD = 0.03106  $\xi = 2.5$ , WD = 0.01503 true target distribution  $10^{-3}$ 1.0 8.0  $10^{2}$ 10<sup>3</sup>  $10^{4}$ log(E/GeV)