Parameter Settings optimized Random Forest: multiplicative step size decay IceCube Preliminary Normalized Number of Events 10^{-1} 10^{-2} $\xi = 0.25$, WD = 0.00045 $\xi = 0.5$, WD = 0.00045 $\xi = 0.75$, WD = 0.00045 true target distribution 10^{-3} 1.0 8.0 10³ 10^{2} 10^{4} E/GeV