Complementary cumulative distributions AdamOptimizer **QNGOptimizer** β_1 =0.9, β_2 =0.99, ε =10⁻⁸ approx='block-diag', λ =0.5 1.0 n=0.35 $-\eta = 0.8$ -n=0.4 $\eta = 0.85$ Probability of occurrence --- n=0.45 $\eta = 0.9$ 0.8 ___ n=0.5 $\eta = 0.95$ ---- n=0.55 $\eta = 0.2$ $\eta = 0.25$ n=0.25 $\eta = 0.3$ 0.6 $\eta = 0.4$ 0.4 $\eta = 0.55$ n = 0.6 $\eta = 0.65$ $-\eta = 1.45$ n = 0.7 $\eta = 1.5$ 0.2 (b) (a) 0.0 MomentumQNGOptimizer MomentumOptimizer ρ =0.9, approx='block-diag', λ =0.5 $\rho = 0.9$ 1.0 n = 0.25n = 0.02-- $\eta = 0.3$ Probability of occurrence ---- n=0.35 $\eta = 0.1$ 0.8 $\eta = 0.06$ 0.6 0.4 0.2 (d) (c) 0.0 50 100 150 200 0 50 100 150 200 steps steps