**Autocorrelation Functions - Validation Run**  $H_{\sigma}$  $ho_{
m crit,\,NET}$ Chain 1
Chain 2
Chain 3
Chain 4 Chain 1 1.0 1.0 Chain 2
Chain 3
Chain 4 8.0 8.0 0.6 0.6 Autocorrelation Autocorrelation 0.40.4 0.2 0.2 0.0 -0.2-0.20 20 40 60 80 100 20 40 60 80 100 0 Lag Lag  $M_{\text{seed}}$  $a_{\mathsf{min}}$ Chain 1
Chain 2
Chain 3
Chain 4 Chain 1 Chain 2 Chain 3 1.0 1.0 ← Chain 4 8.0 8.0 0.6 0.6 Autocorrelation Autocorrelation 0.4 0.40.2 0.2 0.0 0.0 -0.2-0.20 40 60 80 100 20 40 60 80 100 20 0 Lag Lag  $\log p(\theta|D)$  $f_{\mathsf{NET}}$ Chain 1
Chain 2
Chain 3 Chain 1
Chain 2
Chain 3 1.0 1.0 Chain 4 -- Chain 4 8.0 8.0 0.6 0.6 Autocorrelation Autocorrelation 0.40.4 0.2 0.2 0.0 0.0 -0.2-0.2100 20 80 100 20 40 40 60 60 80 Lag Lag