## Binary Alloy Thermodynamic Quantites - MCMC Simulation $\mu = 0.0, h = 0.5$ Order Parameter Derivative of Ord. Parameter 1.0 0.5 $\widehat{\underline{\underline{\overline{Z}}}} \ 0.5$ 0.0 $k_BT/J$ $k_BT/J$ Specific Heat Internal Energy $\widehat{\square}$ -18 $k_BT/J$ $k_BT/J$