Analytical vs numerical, 10 000 and 250 000 MC cycles  $\langle \epsilon \rangle$  analytical vs numerical  $\langle |m| \rangle$  analytical vs numerical 1.0 --0.50.9 Analytical <€> Analytical < |m|> Numerical  $\langle \epsilon \rangle$  250 000 cycles  $-\xi$  -Numerical <|m|> 250 000 cyclesNumerical  $\langle \epsilon \rangle$  10 000 cycles  $| - \psi - \psi |$ Numerical <|m|> 10 000 cycles 0.6 0.5 -2.00. Panal vtica Fvs numeric 10.0 <sup>0</sup>CV anatytical Vs กนีฑ์erie่ยืเ0 0.15 -0.4 Analytical χ **Analytical Cv** Numerical χ 250 000 cycles ‡ Numerical Cv 250 000 cycles  $\times$ Numerical χ 10 000 cycles Numerical Cv 10 000 cycles 0.1 0.00 0.0 7.5 10.0 0.0 10.0 7.5  $= 1/k_BT [ J^{-1}]$  $= 1/k_BT [ J^{-1}]$