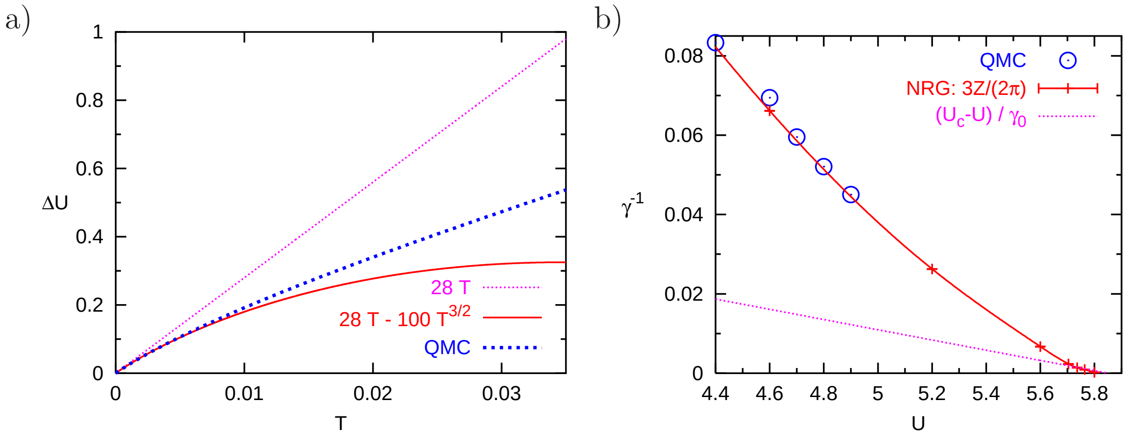

Figure 3.51: a) Linear and higher order contributions to the QMC estimate of the first-order phase transition line, i.e., $\Delta U(T) := U_c(T) - 5.7962 + 8.2\sqrt{T}$. **b)** The resulting asymptotic for $\gamma(U)$ (with $\gamma_0 \approx 104 S_0 \approx 72$) in comparison with more direct low-T NRG and QMC estimates (cf. Fig. 3.48).

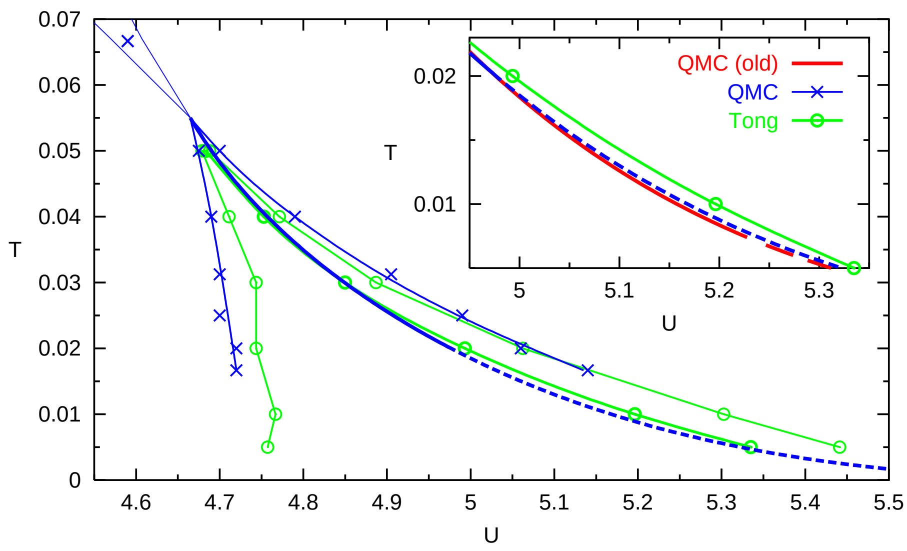

Figure 3.52: MIT phase diagram: comparison of QMC results (crosses) with Tong et al.'s (2001) estimates for $U_{c1}(T)$, $U_c(T)$, and $U_{c2}(T)$ (circles). In the magnified inset, also the QMC result of 2000 (red bottom line) is included (cf. Fig. 3.32 b).