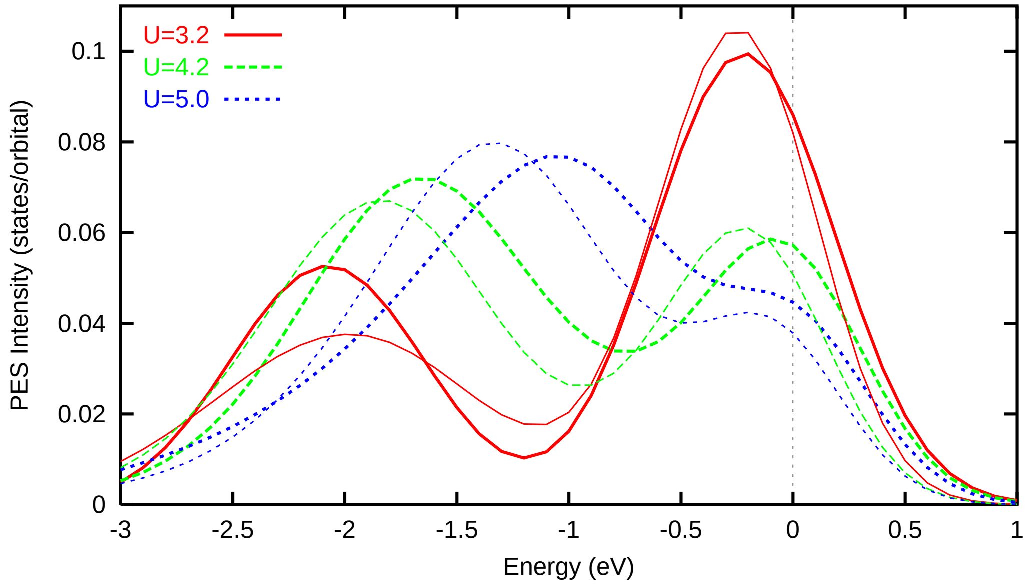


**Figure 5.13:** $La_{1-x}Sr_xTiO_3$ photoemission spectra (x=0.06): LDA+DMFT(QMC) estimates for $\Delta\tau = 0.167$ and $T = 1160$ K (thick lines) in comparison to the previously obtained results shown in Fig. 5.7 (thin lines). The longer tails at positive energies are due to our use of $T = 1160$ K also in the Fermi function (see text).

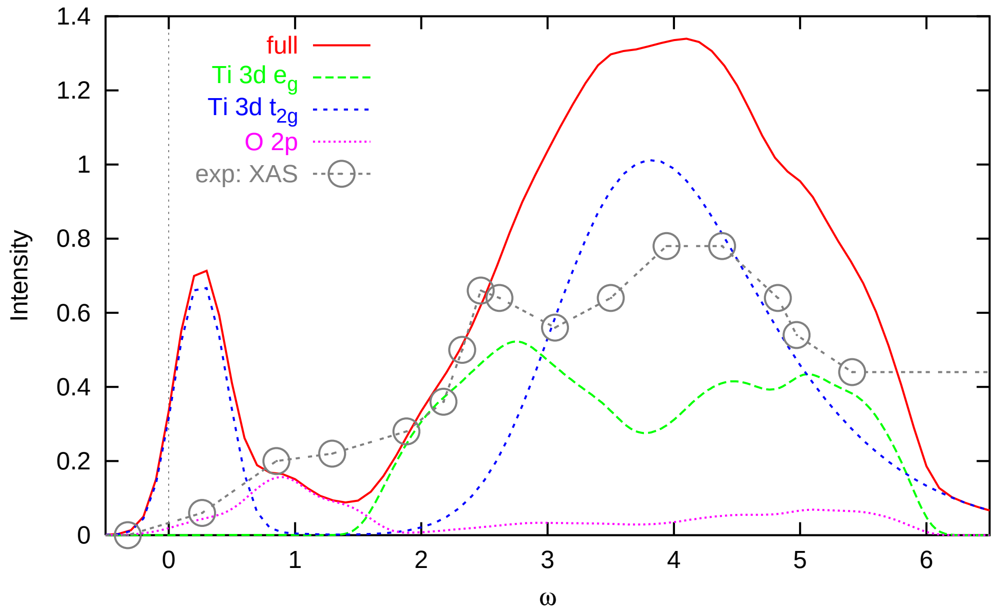


**Figure 5.14:** Inverse photoemission: full theoretical estimate and contributions arising from the correlated $t_{2g}$ band as well as uncorrelated $e_g$ and O $2p$ bands in comparison with experimental XAS data (Abbate et al., 1991). For the theoretical curves, $U = 5$ eV and a fixed Fermi energy (see text) have been assumed.