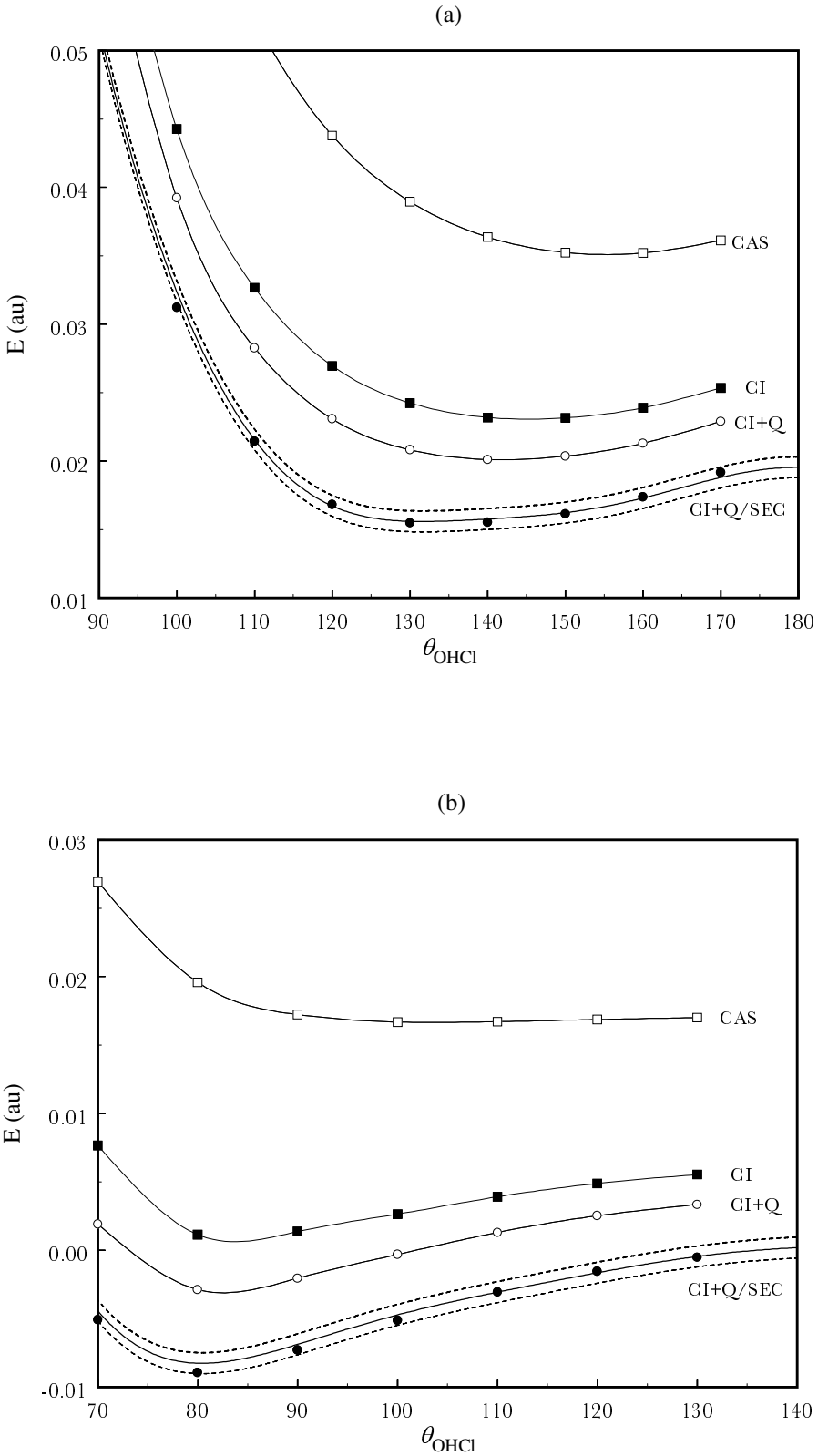

Figure 2. The angular dependence of the potential at (a) the saddle point values of (r_{OH}, r_{HCl}) and (b) at the values of (r_{OH}, r_{HCl}) corresponding to the minimum in Fig. 1(b). Smooth lines connect the *ab initio* data at the CAS, CI, and CI+Q levels of calculation. The CI+Q/SEC data are compared to the fitted surface itself, shown as the solid line, with the dashed lines above and below representing the limits $V \pm \Delta V_{rms}$.