Fig. 44 Potential and ionic density profiles for a 0.1 M monovalent electrolyte such as NaCl near a surface of charge density $\sigma = -0.0621$ C m^{-2} (about one electronic charge per 2.6 nm^2), calculated from Eqs. (12.38) and (12.25) with $\psi_0 = -66.2$ mV obtained from the Grahame equation. The crosses are the Monte Carlo results of Torrie and Valleau (1979).