



FIG. 9. Total neutrino and antineutrino per nucleon CC cross sections (for an isoscalar target) divided by neutrino energy and plotted as a function of energy. Data are the same as in Figs. 28, 11, and 12, with the inclusion of additional lower energy CC inclusive data from \blacktriangle (Baker *et al.*, 1982), $*$ (Baranov *et al.*, 1979), \blacksquare (Ciampolillo *et al.*, 1979), and \star (Nakajima *et al.*, 2011). Also shown are the various contributing processes that will be investigated in the remaining sections of this review. These contributions include quasielastic scattering (dashed), resonance production (dot-dashed), and deep inelastic scattering (dotted). Example predictions for each are provided by the NUANCE generator (Casper, 2002). Note that the quasielastic scattering data and predictions have been averaged over neutron and proton targets and hence have been divided by a factor of 2 for the purposes of this plot.