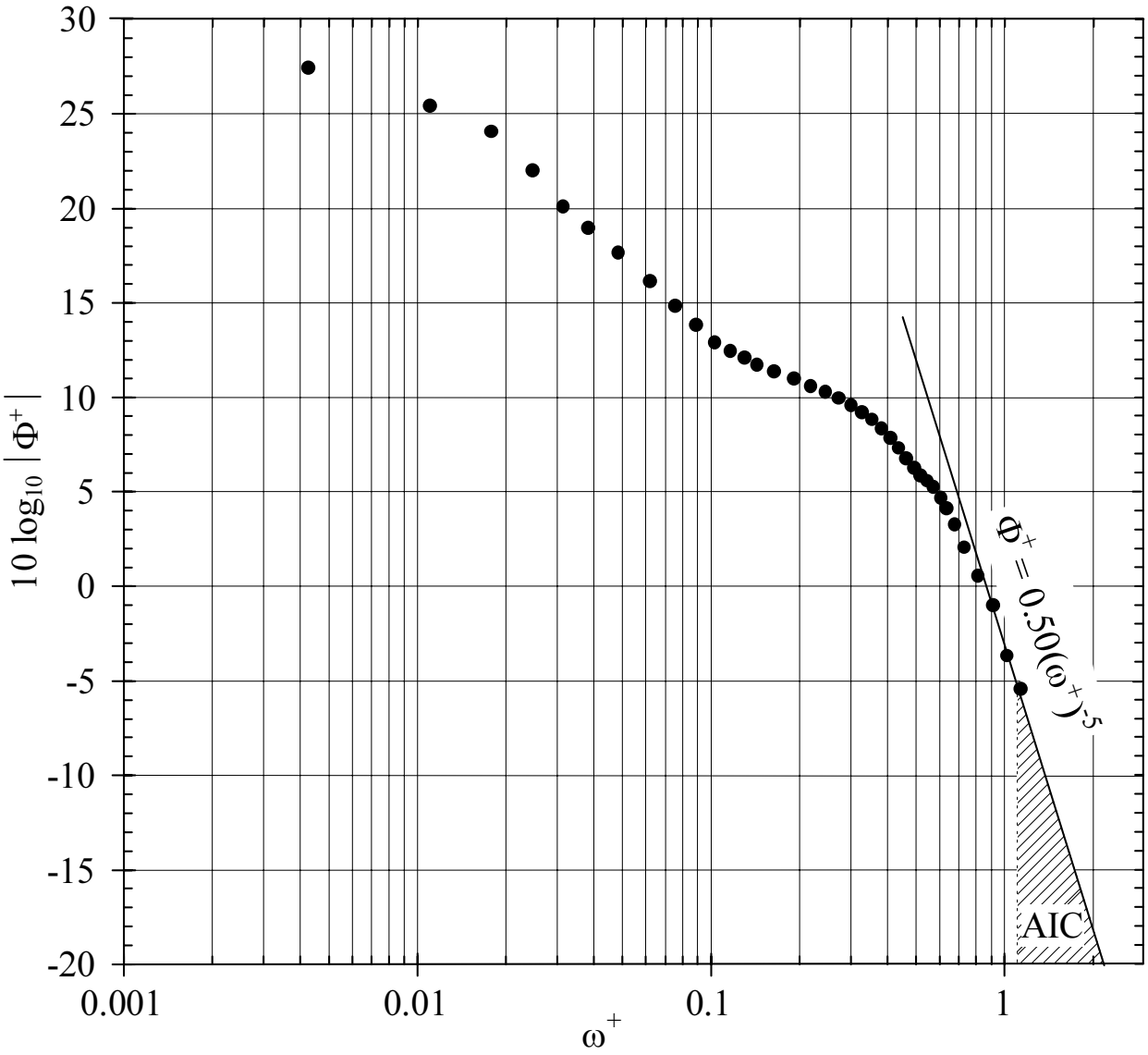

Figure 146. The power spectrum of surface pressure fluctuations at $\alpha = 10°$, $x/L = 0.772$, $\phi = 140°$ made non-dimensional using ν/u_τ^2 as the time scale and τ_W as the pressure scale. Also shown is the curve that bounds the Analytical Integral Contribution (AIC) to $\overline{p^2}$ at $\alpha = 10°$, $x/L = 0.772$, $\phi = 140°$.

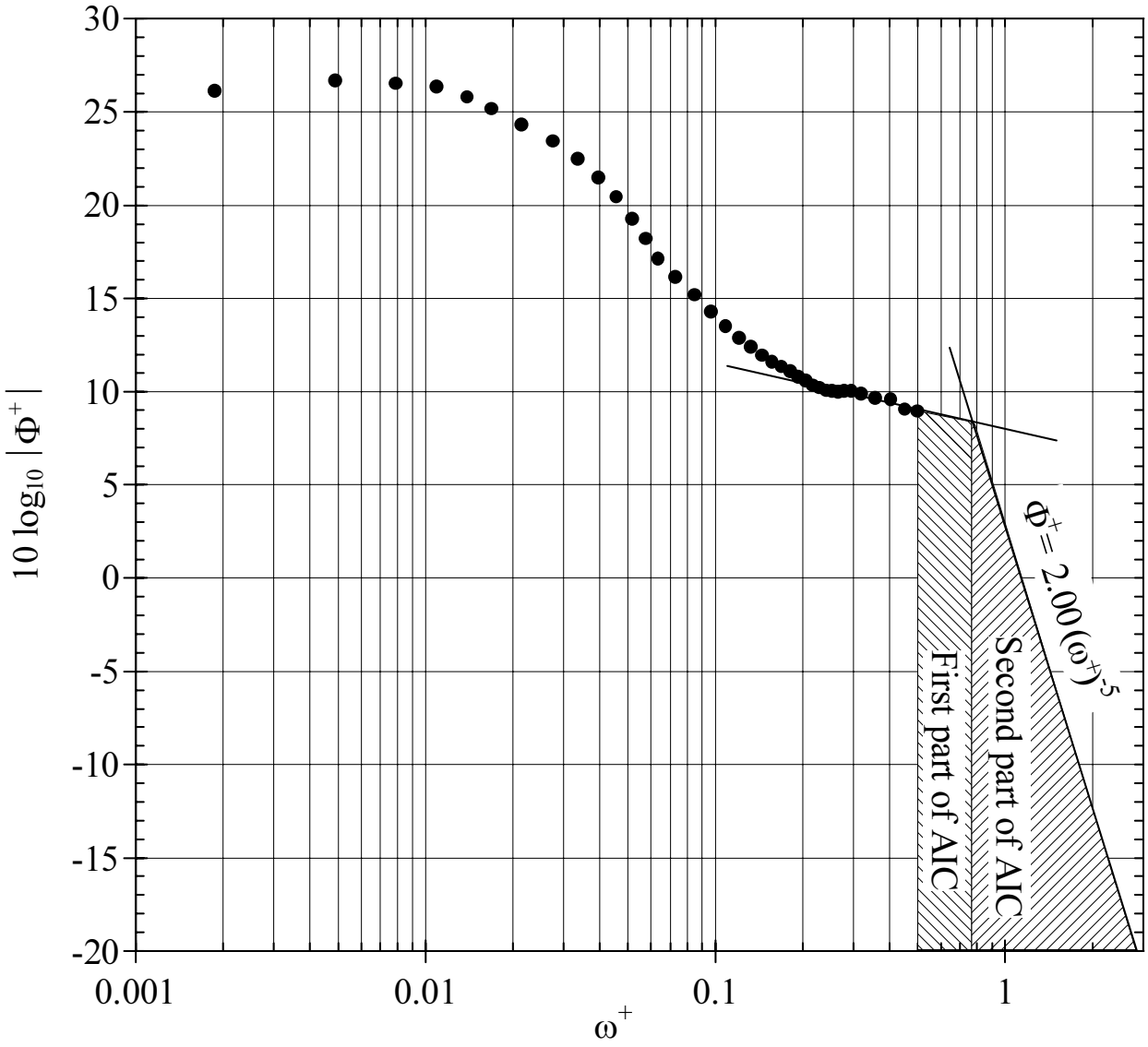

Figure 147. The power spectrum of surface pressure fluctuations at $\alpha = 20°$, $x/L = 0.772$, $\phi = 130°$ made non-dimensional using ν/u_τ^2 as the time scale and τ_W as the pressure scale. Also shown are the curves that bound the Analytical Integral Contribution (AIC) to $\overline{p^2}$ at $\alpha = 20°$, $x/L = 0.772$, $\phi = 130°$.

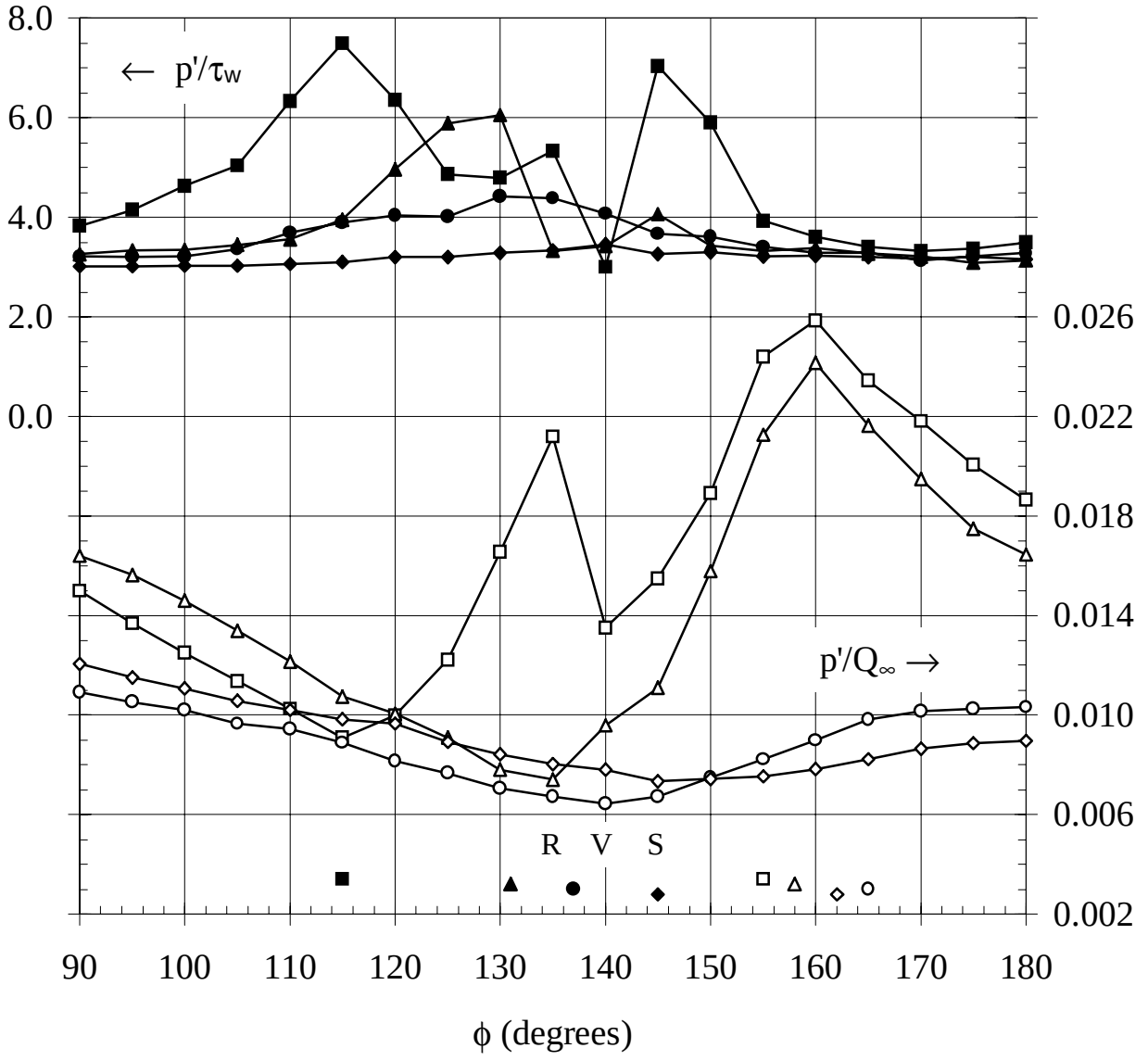

Figure 148. Variation of RMS wall pressure fluctuations with ϕ position: ♢, α = 10°, *x/L* = 0.600; ○, α = 10°, *x/L* = 0.772; Δ , α = 20°, *x/L* = 0.600; □, α = 20°, *x/L* = 0.772. The solid symbols immediately above the ϕ-axis denote the location of primary separation (Wetzel *et al*., 1998). The open symbols immediately above the ϕ-axis denote the approximate location of the shed vortex core. The letters R, V, and S denote the location of reattachment, secondary vortex core, and secondary separation, respectively, for α = 20°, *x/L* = 0.772.